## **Monthly Expenditures Report for September 2017**

Office of Grants and Contracts, University of North Texas

| nditures Total by College  | S              | September 2016  |                             | September 2017   |                | <b>YTD FY2017</b>   |                | <b>YTD FY2018</b>   |
|--|----------------|---|-----------------------------|--|----------------|---|----------------|---|
|  |                |   |                             |  |                |   |                |   |
| College of Arts and Sciences   | \$             | 576,752.38  | \$                          | -  | \$             | 576,752.38  | \$             | -   |
| College of Business  | \$             | 2,454.94  | \$                          | 37,752.86  | \$             | 2,454.94  | \$             | 37,752  |
| College of Education   | \$             | 216,863.09  | \$                          | 311,445.36   | \$             | 216,863.09  | \$             | 311,445   |
| College of Engineering   | \$             | 284,292.96  | \$                          | 437,760.16   | \$             | 284,292.96  | \$             | 437,760   |
| College of Health & Public Service (prev. PACS)  | \$             | 144,037.12  | \$                          | 147,262.06   | \$             | 144,037.12  | \$             | 147,262   |
| College of Information   | \$             | 73,178.02   | \$                          | 64,917.13  | \$             | 73,178.02   | \$             | 64,917  |
| College of Liberal Arts & Social Sciences  | \$             | -   | \$                          | 292,804.05   | \$             | -   | \$             | 292,804   |
| College of Merchandising Hospitality and Tourism   | \$             | -   | \$                          | 21,592.75  | \$             | -   | \$             | 21,592  |
| College of Music   | \$             | -   | \$                          | -  | \$             | -   | \$             |   |
| College of Science   | \$             | -   | \$                          | 505,609.15   | \$             | -   | \$             | 505,609   |
| College of Visual Arts and Design  | \$             | 1,382.06  | \$                          | 3,293.81   | \$             | 1,382.06  | \$             | 3,293   |
| School of Journalism   | \$             | 2,491.34  | \$                          | 2,616.78   | \$             | 2,491.34  | \$             | 2,616   |
| Other  | \$             | 208,231.72  | \$                          | 180,665.60   | \$             | 208,231.72  | \$             | 180,665   |
| Grand Total:   | \$             | 1,509,683.64  | \$                          | 2,005,719.71   | \$             | 1,509,683.64  | \$             | 2,005,719   |
|  |                |   |                             |  |                |   |                |   |
| nditures Total by Category   |                |   |                             |  |                |   |                |   |
|  |                |   |                             |  |                |   |                |   |
| Instruction  | \$             | •   | \$                          | 357,817.40   |                | 208,265.13  | \$             |   |
| Instruction<br>Research  | \$             | 1,015,018.24  | \$                          | 1,299,738.72   | \$             | 1,015,018.24  | \$             | 1,299,738   |
| Instruction Research Public Service  |                | •   |                             |  |                |   |                | 1,299,738   |
| Instruction<br>Research  | \$             | 1,015,018.24  | \$                          | 1,299,738.72   | \$             | 1,015,018.24  | \$             | 1,299,738   |
| Instruction Research Public Service  | \$<br>\$       | 1,015,018.24  | \$                          | 1,299,738.72   | \$<br>\$       | 1,015,018.24  | \$<br>\$       | 1,299,73<br>348,16  |
| Instruction Research Public Service Other <sup>2</sup> Grand Total:  | \$<br>\$<br>\$ | 1,015,018.24<br>286,400.27                                      | \$<br>\$<br>\$              | 1,299,738.72<br>348,163.59<br>-  | \$<br>\$<br>\$ | 1,015,018.24<br>286,400.27<br>-                                 | \$<br>\$<br>\$ | 1,299,738<br>348,163  |
| Instruction Research Public Service Other <sup>2</sup>   | \$<br>\$<br>\$ | 1,015,018.24<br>286,400.27                                      | \$<br>\$<br>\$              | 1,299,738.72<br>348,163.59<br>-  | \$<br>\$<br>\$ | 1,015,018.24<br>286,400.27<br>-                                 | \$<br>\$<br>\$ | 1,299,738<br>348,163  |
| Instruction Research Public Service Other <sup>2</sup> Grand Total:  | \$<br>\$<br>\$ | 1,015,018.24<br>286,400.27                                      | \$<br>\$<br>\$<br><b>\$</b> | 1,299,738.72<br>348,163.59<br>-  | \$<br>\$<br>\$ | 1,015,018.24<br>286,400.27<br>-                                 | \$<br>\$<br>\$ | 1,299,738<br>348,163<br><b>2,005,71</b> 9   |
| Instruction Research Public Service Other <sup>2</sup> Grand Total:  Inditures Total by Source of Funding          | \$<br>\$<br>\$ | 1,015,018.24<br>286,400.27<br>-<br>1,509,683.64                 | \$<br>\$<br>\$<br><b>\$</b> | 1,299,738.72<br>348,163.59<br>-<br><b>2,005,719.71</b>                 | \$<br>\$<br>\$ | 1,015,018.24<br>286,400.27<br>-<br>1,509,683.64                 | \$<br>\$<br>\$ | 1,299,738<br>348,163<br>2,005,719<br>1,603,603  |
| Instruction Research Public Service Other <sup>2</sup> Grand Total:  Inditures Total by Source of Funding  Federal | \$<br>\$<br>\$ | 1,015,018.24<br>286,400.27<br>-<br>1,509,683.64<br>1,131,976.21 | \$<br>\$<br>\$<br>\$        | 1,299,738.72<br>348,163.59<br>-<br><b>2,005,719.71</b><br>1,603,601.19 | \$<br>\$<br>\$ | 1,015,018.24<br>286,400.27<br>-<br>1,509,683.64<br>1,131,976.21 | \$<br>\$<br>\$ | 357,817<br>1,299,738<br>348,163<br><b>2,005,719</b><br>1,603,603<br>321,270<br>80,848 |

| Expenditures, | September | FY2018 |
|---------------|-----------|--------|
|               |           |        |

| Project<br>ID                         | Title  |   | Category  | Sponsor  | Funding<br>Source |         | Expended<br>This Period | Recognition % | Recognition<br>Amount            |
|---------------------------------------|--|---|---|--|-------------------|---------|-------------------------|---------------|----------------------------------|
| UNT                                   |  |   |   |  |                   |         |                         |               |                                  |
| College                               | of Business  |   |   |  |                   |         |                         |               |                                  |
| Informa                               | tion Technology & Decision Science   |   |   |  |                   |         |                         |               |                                  |
| Kim,Da                                | n Jong   |   |   |  |                   |         |                         |               |                                  |
| Kim, D.,                              | Co-PI; Information Technology & Decision Scien   | ice; Dantu,                                     | R., PI; Computer S  | Science & Engineering; Hawamdeh, S   | S., Co-PI; Info   | mation  | Science                 |               |                                  |
| GF1634                                | SFS-NEW: Advancing Learning and Leadership Thr<br>Integrated Multidisciplinary Doctoral Program in Info<br>Assurance   |   | Instruction   | National Science Foundation  | Federa            | l Co-PI | \$33,000                | 25%           | \$8,250                          |
| Kim, D.,                              | Co-PI; Information Technology & Decision Scien   | ce; Dantu,                                      | R., PI; Computer S  | Science & Engineering; Hawamdeh, S   | S., Co-PI; Info   | mation  | Science                 |               |                                  |
| GF1718                                | SFS-NEW: Advancing Learning and Leadership Thr<br>Integrated Multidisciplinary Doctoral Program in Inf<br>Assurance  |   | Instruction   | National Science Foundation  | Federa            | l Co-PI | \$1,246                 | 25%           | \$311                            |
|                                       |  | Totals for                                      | Kim,Dan Jong  |  |                   |         |                         |               | \$8,561                          |
|                                       |  | Totals for                                      | Information Techn   | nology & Decision Science  |                   |         |                         |               | \$8,561                          |
| Marketi                               | ng & Logistics   |   |   |  |                   |         |                         |               |                                  |
| Bomba.                                | Michael Stephen  |   |   |  |                   |         |                         |               |                                  |
| ,                                     | M., Co-PI; Nowicki, D., PI; Marketing & Logistic   | s; Nowicki,                                     | D., PI; Engineerin  | g Technology   |                   |         |                         |               |                                  |
| GF40031                               | SUPPORT OF IMPLEMENTING THE FIXING AM<br>SURFACE TRANSPORTATION ACT AND THE E<br>TRADE ADVISORY COMMITTEE  |   | Research  | Texas Department of Transportation   | Federa            | l Co-PI | \$35,308                | 50%           | \$17,654                         |
| Bomba, N                              | M., Co-PI; Pohlen, T., PI; Marketing & Logistics   |   |   |  |                   |         |                         |               |                                  |
| GS5208                                |  |   |   |  |                   |         |                         |               |                                  |
|                                       | Gulf Intercoastal Waterway Capacity Study  |   | Research  | Texas Department of Transportation   | State             | Co-PI   | -\$2,586                | 80%           | (\$2,069                         |
|                                       | Gulf Intercoastal Waterway Capacity Study  | Totals for                                      | Research  Bomba, Michael St   | •  | State             | Co-PI   | -\$2,586                | 80%           | (\$2,069<br><b>\$15,585</b>      |
| Nowicki                               | Gulf Intercoastal Waterway Capacity Study  i,David Richard   | Totals for                                      |   | •  | State             | Co-PI   | -\$2,586                | 80%           |                                  |
|                                       |  |   | Bomba,Michael So  | ephen  | State             | Co-PI   | -\$2,586                | 80%           |                                  |
|                                       | i,David Richard  | s; <i>Nowicki</i> ,<br>IERICA'S                 | Bomba,Michael So  | ephen  |                   | Co-PI   | -\$2,586<br>\$35,308    |               |                                  |
| Nowicki,                              | i,David Richard  D., PI; Bomba, M., Co-PI; Marketing & Logistic.  SUPPORT OF IMPLEMENTING THE FIXING AM  SURFACE TRANSPORTATION ACT AND THE E  | s; <i>Nowicki</i> ,<br>IERICA'S                 | Bomba,Michael So  | g Technology  Texas Department of Transportation   |                   |         |                         |               | \$15,585                         |
| Nowicki,<br>GF40031                   | i,David Richard  D., PI; Bomba, M., Co-PI; Marketing & Logistic.  SUPPORT OF IMPLEMENTING THE FIXING AM  SURFACE TRANSPORTATION ACT AND THE E  | s; <i>Nowicki,</i><br>IERICA'S<br>BORDER        | Bomba,Michael St<br>D., PI; Engineerin<br>Research                      | g Technology  Texas Department of Transportation   |                   |         |                         |               | <b>\$15,585</b><br>\$14,123      |
| Nowicki,<br>GF40031<br><b>Pohlen,</b> | i,David Richard  D., PI; Bomba, M., Co-PI; Marketing & Logistic.  SUPPORT OF IMPLEMENTING THE FIXING AM  SURFACE TRANSPORTATION ACT AND THE E  TRADE ADVISORY COMMITTEE  | s; <i>Nowicki,</i><br>IERICA'S<br>BORDER        | Bomba,Michael St<br>D., PI; Engineerin<br>Research                      | g Technology  Texas Department of Transportation   |                   |         |                         |               | <b>\$15,585</b><br>\$14,123      |
| Nowicki,<br>GF40031<br><b>Pohlen,</b> | i,David Richard  D., PI; Bomba, M., Co-PI; Marketing & Logistic.  SUPPORT OF IMPLEMENTING THE FIXING AM  SURFACE TRANSPORTATION ACT AND THE E  TRADE ADVISORY COMMITTEE  Terrance L  | s; <i>Nowicki,</i><br>IERICA'S<br>BORDER        | Bomba,Michael St<br>D., PI; Engineerin<br>Research                      | g Technology  Texas Department of Transportation   |                   |         |                         | 3 40%         | <b>\$15,585</b><br>\$14,123      |
| Nowicki, GF40031  Pohlen, Pohlen, T   | i,David Richard  D., PI; Bomba, M., Co-PI; Marketing & Logistic.  SUPPORT OF IMPLEMENTING THE FIXING AM  SURFACE TRANSPORTATION ACT AND THE E  TRADE ADVISORY COMMITTEE  Terrance L  T., PI; Bomba, M., Co-PI; Marketing & Logistics | s; Nowicki,<br>IERICA'S<br>BORDER<br>Totals for | Bomba,Michael St<br>D., PI; Engineerin<br>Research<br>Nowicki,David Ric | g Technology Texas Department of Transportation Chard Texas Department of Transportation | Federa            | ıl PI   | \$35,308                | 3 40%         | \$15,585<br>\$14,123<br>\$14,123 |

| ID  | Title   |  | Category  | Sponsor  | Funding<br>Source |         | Expended<br>This Period | Recognition % | Recognition<br>Amount       |
|---|---|--|---|--|-------------------|---------|-------------------------|---------------|-----------------------------|
|   |   | Totals for   | College of Business   |  |                   |         |                         |               | \$37,753                    |
| College (<br>Autism (                               | of Education<br>Center  |  |   |  |                   |         |                         |               |                             |
| Callahai  | n,Kevin John  |  |   |  |                   |         |                         |               |                             |
| Callahan,   | K., PI; Autism Center; Mowell, C., Co-PI; Edu   | ucational Psy  | vchology  |  |                   |         |                         |               |                             |
| GA00004   | Autism Gram Program - Parent-Directed Treatment   | i  | Instruction   | Texas Higher Education Coordinating Board      | State             | PI      | \$1,075                 | 50%           | \$538                       |
| Callahan,   | K., PI; Mowell, C., Co-PI; Autism Center  |  |   |  |                   |         |                         |               |                             |
| GA00007   | A+HIPPY: A Statewide Autism Parent Training Co  | ollaboration   | Public Service  | Texas Higher Education Coordinating<br>Board   | State             | PI      | \$1,569                 | 50%           | \$785                       |
| Callahan,   | K., Co-PI; Autism Center; Mehta, S., PI; Boes   | ch, M., Co-P   | PI; Combes, B., Co-PI;  | Educational Psychology                         |                   |         |                         |               |                             |
| GF0614  | Project STArT: Systematic Training of Autism Tea  | chers  | Instruction   | U.S. Department of Education                   | Federa            | d Co-PI | \$41,311                | 13.33%        | \$5,507                     |
|   |   | Totals for   | Callahan,Kevin John   |  |                   |         |                         |               | \$6,829                     |
| Mowell,   | Carla M   |  |   |  |                   |         |                         |               |                             |
| Mowell, C   | C., Co-PI; Callahan, K., PI; Autism Center  |  |   |  |                   |         |                         |               |                             |
| GA00007   | A+HIPPY: A Statewide Autism Parent Training Co  | ollaboration   | Public Service  | Texas Higher Education Coordinating Board      | State             | Co-PI   | \$1,569                 | 50%           | \$785                       |
|   |   | Totals for   | Mowell,Carla M  |  |                   |         |                         |               | \$785                       |
|   |   | Totals for   | Autism Center   |  |                   |         |                         |               | \$7,614                     |
| Counseli  | ing & Higher Education  |  |   |  |                   |         |                         |               |                             |
|   | -   |  |   |  |                   |         |                         |               |                             |
| Bower,B   | Beverly   |  |   |  |                   |         |                         |               |                             |
|   | Severly  Council for the Study of Community Colleges  |  | Research  | Council for the Study of Community<br>Colleges | Private           | e PI    | \$432                   | 100%          | \$432                       |
| Bower,B   |   | Totals for   | Research Bower,Beverly  | · · · · · · · · · · · · · · · · · · ·          | Privato           | e PI    | \$432                   | 100%          | \$432<br><b>\$432</b>       |
| Bower,B   |   | Totals for   |   | · · · · · · · · · · · · · · · · · · ·          | Privato           | e PI    | \$432                   | 100%          |                             |
| Bower,B GP6306 Ceballos                             | Council for the Study of Community Colleges   |  | Bower,Beverly   | · · · · · · · · · · · · · · · · · · ·          | Privat            | e PI    | \$432                   | 100%          |                             |
| Bower,B GP6306 Ceballos                             | Council for the Study of Community Colleges s,Peggy Lorena  | iseling & Hig  | Bower,Beverly   | · · · · · · · · · · · · · · · · · · ·          |                   | e PI    | \$432<br>\$8,641        |               |                             |
| Bower,B GP6306 Ceballos Ceballos,                   | Council for the Study of Community Colleges <b>s,Peggy Lorena</b> <i>P., Co-PI; Ray, D., PI; Lindo, N., Co-PI; Coun</i> Play for the Future: Linking Mental Health to Acad  | <i>seling &amp; Hi</i> g<br>Iemic                              | Bower,Beverly gher Education  | Colleges  Hogg Foundation for Mental Health    |                   |         |                         |               | \$432                       |
| Bower,B GP6306  Ceballos Ceballos, GP20039          | Council for the Study of Community Colleges <b>s,Peggy Lorena</b> <i>P., Co-PI; Ray, D., PI; Lindo, N., Co-PI; Coun</i> Play for the Future: Linking Mental Health to Acad  | <i>seling &amp; Hi</i> g<br>Iemic                              | Bower,Beverly  Sher Education  Research                                       | Colleges  Hogg Foundation for Mental Health    |                   |         |                         |               | <b>\$432</b><br>\$2,160     |
| Bower,B GP6306 Ceballos Ceballos, GP20039 Lindo,N   | Council for the Study of Community Colleges <b>s,Peggy Lorena</b> <i>P., Co-PI; Ray, D., PI; Lindo, N., Co-PI; Coun</i> Play for the Future: Linking Mental Health to Acad Achievement for Young Children   | aseling & Hig<br>lemic<br>Totals for                           | Bower,Beverly  Sher Education  Research  Ceballos,Peggy Lorer                 | Colleges  Hogg Foundation for Mental Health    |                   |         |                         |               | <b>\$432</b><br>\$2,160     |
| Bower,B GP6306 Ceballos Ceballos, GP20039 Lindo,N   | Council for the Study of Community Colleges  8,Peggy Lorena  P., Co-PI; Ray, D., PI; Lindo, N., Co-PI; Council Play for the Future: Linking Mental Health to Acad Achievement for Young Children  | aseling & Hig<br>lemic<br>Totals for<br>aseling & Hig          | Bower,Beverly  gher Education  Research  Ceballos,Peggy Lorer                 | Colleges  Hogg Foundation for Mental Health    | Privato           |         |                         | 25%           | <b>\$432</b><br>\$2,160     |
| Bower,B GP6306 Ceballos, GP20039 Lindo, N., GP20039 | Council for the Study of Community Colleges  s,Peggy Lorena  P., Co-PI; Ray, D., PI; Lindo, N., Co-PI; Counce Play for the Future: Linking Mental Health to Acade Achievement for Young Children  atalya Ann  Co-PI; Ray, D., PI; Ceballos, P., Co-PI; Counce Play for the Future: Linking Mental Health to Acade | aseling & Hig<br>lemic<br>Totals for<br>aseling & Hig<br>lemic | Bower,Beverly  Sher Education  Research  Ceballos,Peggy Loren  Sher Education | Colleges  Hogg Foundation for Mental Health    | Privato           | e Co-PI | \$8,641                 | 25%           | \$432<br>\$2,160<br>\$2,160 |

| Project<br>ID | Title   | Ca                  | tegory           | Sponsor                                   | Funding<br>Source | PI /<br>Co-PI | Expended<br>This Period | Recognition % | Recognition<br>Amount |
|---------------|---|---------------------|------------------|---|-------------------|---------------|-------------------------|---------------|-----------------------|
| GF40062       | Denton County Veterans Treatment Court Program  |                     | Public Service   | Denton County                             | Feder             | ral PI        | \$1,056                 | 100%          | \$1,056               |
| GS80002       | Denton County Veterans Treatment Court Program  |                     | Public Service   | Denton County Veterans Treatment Co       | ourt State        | PI            | \$1,679                 | 100%          | \$1,679               |
| Ray,Dea       |   | tals for Pro        | sek,Elizabeth Ar | n   |                   |               |                         |               | \$2,735               |
| GP20022       | Mental Health Treatment Services for Low-Income Famili<br>Children in Denton County           | lies and            | Public Service   | Flow Health Care Foundation, Inc.         | Priva             | te PI         | \$415                   | 100%          | \$415                 |
| Ray, D., F    | PI; Ceballos, P., Co-PI; Lindo, N., Co-PI; Counseling   | g & Higher I        | Education        |   |                   |               |                         |               |                       |
| GP20039       | Play for the Future: Linking Mental Health to Academic Achievement for Young Children         |                     | Research         | Hogg Foundation for Mental Health         | Priva             | te PI         | \$8,641                 | 50%           | \$4,321               |
|               | Tota  | tals for Ray        | ,Deanne C        |   |                   |               |                         |               | \$4,735               |
| Wilson,/      | Angie Denise  |                     |                  |   |                   |               |                         |               |                       |
| Wilson, A     | ., PI; Counseling & Higher Education; Carey, C., Co   | o-PI; Disabil       | lity & Addiction | Rehabilitation                            |                   |               |                         |               |                       |
| GS00014       | Cultural and Linguistic Awareness Support Services in Counseling (UNT-CLASSIC)                |                     | Instruction      | Texas Higher Education Coordinating Board | State             | PI            | \$1,676                 | 50%           | \$838                 |
|               | Total   | tals for <b>Wil</b> | son,Angie Denis  | e   |                   |               |                         |               | \$838                 |
|               | Total   | tals for Cou        | ınseling & Highe | er Education                              |                   |               |                         |               | \$13,060              |
| Educatio      | onal Psychology   |                     |                  |   |                   |               |                         |               |                       |
| Boesch,       | Miriam Chacon   |                     |                  |   |                   |               |                         |               |                       |
| Boesch, N     | M., Co-PI; Mehta, S., PI; Combes, B., Co-PI; Education  | onal Psycho         | logy; Callahan,  | K., Co-PI; Autism Center                  |                   |               |                         |               |                       |
| GF0614        | Project STArT: Systematic Training of Autism Teachers   |                     | Instruction      | U.S. Department of Education              | Feder             | ral Co-PI     | \$41,311                | 13.33%        | \$5,507               |
|               | Total   | tals for <b>Boe</b> | sch,Miriam Cha   | con                                       |                   |               |                         |               | \$5,507               |
| Combes        | Bertina H,  |                     |                  |   |                   |               |                         |               |                       |
| Combes, 1     | B., PI; Mehta, S., Co-PI; Educational Psychology  |                     |                  |   |                   |               |                         |               |                       |
| GF0609        | Project TELL: Training Effective Leaders for High-Needs<br>Schools Through Local Partnerships | s                   | Instruction      | U.S. Department of Education              | Feder             | ral PI        | \$27,137                | 67%           | \$18,182              |
| Combes, 1     | B., Co-PI; Mehta, S., PI; Boesch, M., Co-PI; Educatio   | onal Psycho         | logy; Callahan,  | K., Co-PI; Autism Center                  |                   |               |                         |               |                       |
| GF0614        | Project STArT: Systematic Training of Autism Teachers   |                     | Instruction      | U.S. Department of Education              | Feder             | ral Co-PI     | \$41,311                | 13.34%        | \$5,511               |
|               | Tot   | tals for Cor        | nbes,Bertina H   |   |                   |               |                         |               | \$23,693              |
|               | 100   |                     |                  |   |                   |               |                         |               |                       |
| Jacobsoi      | n,Arminta Lee   |                     |                  |   |                   |               |                         |               |                       |
|               |   |                     |                  |   |                   |               |                         |               |                       |

| Project<br>ID | Title   |                | Category            | C  | Funding<br>Source |            | Expended R<br>This Period | ecognition<br>% | Recognition<br>Amount |
|---------------|---|----------------|---------------------|--|-------------------|------------|---------------------------|-----------------|-----------------------|
| Jacobson,     | A., Co-PI; Mowell, C., PI; Educational Psycho   | ology          |                     |  |                   |            |                           |                 |                       |
| GF40029       | HIPPY THV Technical Assistance  |                | Public Service      | Texas Department of Family & Protective Services | ve Feder          | al Co-PI   | \$4,675                   | 50%             | \$2,338               |
|               |   | Totals for     | Jacobson,Arminta    | Lee  |                   |            |                           |                 | \$26,386              |
| Mehta,S       | mita  |                |                     |  |                   |            |                           |                 |                       |
| Mehta, S.,    | Co-PI; Combes, B., PI; Educational Psychological  | gy             |                     |  |                   |            |                           |                 |                       |
| GF0609        | Project TELL: Training Effective Leaders for High<br>Schools Through Local Partnerships         | -Needs         | Instruction         | U.S. Department of Education                     | Feder             | al Co-PI   | \$27,137                  | 33%             | \$8,955               |
| Mehta, S.,    | PI; Boesch, M., Co-PI; Combes, B., Co-PI; Ed  | lucational P   | sychology; Callahan | , K., Co-PI; Autism Center                       |                   |            |                           |                 |                       |
| GF0614        | Project STArT: Systematic Training of Autism Tea  | chers          | Instruction         | U.S. Department of Education                     | Feder             | al PI      | \$41,311                  | 60%             | \$24,787              |
|               |   | Totals for     | Mehta,Smita         |  |                   |            |                           |                 | \$33,742              |
| Mowell,       | Carla M   |                |                     |  |                   |            |                           |                 |                       |
| Mowell, C     | C., Co-PI; Educational Psychology; Callahan, I  | K., PI; Autisn | n Center            |  |                   |            |                           |                 |                       |
| GA00004       | Autism Gram Program - Parent-Directed Treatment   |                | Instruction         | Texas Higher Education Coordinating Board        | State             | Co-PI      | \$1,075                   | 50%             | \$538                 |
| Mowell, C     | C., PI; Jacobson, A., Co-PI; Educational Psycho   | ology          |                     |  |                   |            |                           |                 |                       |
| GF40025       | Texas HIPPY Corps Initiative  |                | Public Service      | OneStar National Service Commission              | Feder             | al PI      | \$48,096                  | 50%             | \$24,048              |
| Mowell, C     | C., PI; Jacobson, A., Co-PI; Educational Psycho   | ology          |                     |  |                   |            |                           |                 |                       |
| GF40029       | HIPPY THV Technical Assistance  |                | Public Service      | Texas Department of Family & Protective Services | ve Feder          | al PI      | \$4,675                   | 50%             | \$2,338               |
| Mowell, C     | C., PI; Educational Psychology; Jacobson, A., C   | Co-PI; Kines   | iology, Health Prom | otion, & Recreation                              |                   |            |                           |                 |                       |
| GF40059       | HIPPY THV Technical Assistance  |                | Public Service      | Texas Department of Family & Protective Services | ve Feder          | al PI      | \$4,150                   | 50%             | \$2,075               |
|               |   | Totals for     | Mowell,Carla M      |  |                   |            |                           |                 | \$28,998              |
|               |   | Totals for     | Educational Psycho  | ology  |                   |            |                           |                 | \$118,325             |
| Kinesiolo     | ogy, Health Promotion, & Recreation   |                |                     |  |                   |            |                           |                 |                       |
| Bowman        | n,Erin Marie kellogg  |                |                     |  |                   |            |                           |                 |                       |
|               | E., Co-PI; Mcfarlin, B., PI; Vingren, J., Co-PI,  | Kinesiology    | , Health Promotion, | & Recreation; Mcfarlin, B., PI; Vingro           | en, J., Co-l      | PI; Biolos | gical Sciences            |                 |                       |
| GP00022       | Is Recovery from an Intensified Exercise Protocol A<br>Consumption of an IminoSugar Supplement? |                |                     | Gateway Health Alliances, Inc.                   |                   | te Co-PI   | \$11,172                  | 10%             | \$1,117               |
|               |   | Totals for     | Bowman,Erin Mari    | ie kellogg                                       |                   |            |                           |                 | \$1,117               |
| Collins J     | Jr,John R   |                |                     |  |                   |            |                           |                 |                       |
| GP20021       | Girls in the Game - Teen Squad  |                | Instruction         | Girls in the Game                                | Priva             | te PI      | \$886                     | 100%            | \$886                 |
|               |   | Totals for     | Collins Jr,John R   |  |                   |            |                           |                 | \$886                 |
|               | n,Arminta Lee   |                |                     |  |                   |            |                           |                 |                       |

| Project<br>ID | Title  | Category                | Sponsor                                       | Funding<br>Source |            | Expended<br>This Period | Recognition %     | Recognition<br>Amount |
|---------------|--|-------------------------|---|-------------------|------------|-------------------------|-------------------|-----------------------|
| Jacobson,     | A., Co-PI; Kinesiology, Health Promotion, & Recreation; I  | Mowell, C., PI; Educe   | ational Psychology                            |                   |            |                         |                   |                       |
| GF40059       | HIPPY THV Technical Assistance   | Public Service          | Texas Department of Family & Protect Services | ctive Feder       | ral Co-PI  | \$4,150                 | 50%               | \$2,075               |
|               | Totals for   | Jacobson,Arminta L      | ee  |                   |            |                         |                   | \$2,075               |
| Keller,N      | Iarian Jean  |                         |   |                   |            |                         |                   |                       |
| GS00002       | Minority Health Research and Education   | Research                | Texas Higher Education Coordinating<br>Board  | g State           | PI         | \$7,999                 | 100%              | \$7,999               |
| GS5211        | Work-Study Student Mentorship Grant Program  | Public Service          | Texas Higher Education Coordinating<br>Board  | g State           | PI         | \$2,907                 | 100%              | \$2,907               |
|               | Totals for   | Keller,Marian Jean      |   |                   |            |                         |                   | \$10,906              |
|               | n,Brian Keith  |                         |   |                   |            |                         |                   |                       |
| Mcfarlin,     | B., PI; Vingren, J., Co-PI; Kinesiology, Health Promotion,   | & Recreation; Mcfar     | lin, B., PI; Vingren, J., Co-PI; Biolo        | ogical Scienc     | es         |                         |                   |                       |
| GP00012       | Treatment with AyuFlex(R): Potential to Modulate Inflammation and Reduce Muscle Recovery Time following Injury         | Research                | Natreon Inc.                                  | Priva             | te PI      | \$24,161                | 54%               | \$13,047              |
| Mcfarlin,     | B., PI; Bowman, E., Co-PI; Vingren, J., Co-PI; Kinesiology   | , Health Promotion,     | & Recreation; Mcfarlin, B., PI; Ving          | gren, J., Co-l    | PI; Biolog | gical Sciences          |                   |                       |
| GP00022       | Is Recovery from an Intensified Exercise Protocol Accelerated by Consumption of an IminoSugar Supplement?              | Research                | Gateway Health Alliances, Inc.                | Priva             | te PI      | \$11,172                | 45%               | \$5,028               |
| Mcfarlin,     | B., PI; Vingren, J., Co-PI; Kinesiology, Health Promotion,   | & Recreation; Mcfar     | lin, B., PI; Vingren, J., Co-PI; Biolo        | ogical Scienc     | es         |                         |                   |                       |
| GP20027       | Is Recovery from an Intensified Exercise Protocol Accelerated by Consumption of a Boswellia-Curcumin Supplement?       | Research                | Unibar Corporation                            | Priva             | te PI      | \$14,662                | 54%               | \$7,918               |
| Mcfarlin,     | B., PI; Kinesiology, Health Promotion, & Recreation; Mcfa  | rlin, B., PI; Biologico | al Sciences                                   |                   |            |                         |                   |                       |
| GP20028       | Adaptogenic Health Impact of Longvida® and Pomella® in Healthy Subjects: Potential Synergies of Longvida® and Pomella® | Research                | Verdure Sciences                              | Priva             | te PI      | \$1,225                 | 90%               | \$1,102               |
|               | Totals for   | Mcfarlin,Brian Keitl    | 1   |                   |            |                         |                   | \$27,094              |
| Vingren       | Jakob Langberg   |                         |   |                   |            |                         |                   |                       |
| Vingren, .    | I., Co-PI; Mcfarlin, B., PI; Kinesiology, Health Promotion,  | & Recreation; Mcfar     | lin, B., PI; Vingren, J., Co-PI; Biolo        | ogical Scienc     | es         |                         |                   |                       |
| GP00012       | Treatment with AyuFlex(R): Potential to Modulate Inflammation and Reduce Muscle Recovery Time following Injury         | Research                | Natreon Inc.                                  | Priva             | te Co-PI   | \$24,161                | 36%               | \$8,698               |
| Vingren, .    | I., Co-PI; Mcfarlin, B., PI; Bowman, E., Co-PI; Kinesiology  | , Health Promotion,     | & Recreation; Mcfarlin, B., PI; Ving          | gren, J., Co-l    | PI; Biolog | gical Sciences          |                   |                       |
| GP00022       | Is Recovery from an Intensified Exercise Protocol Accelerated by Consumption of an IminoSugar Supplement?              | Research                | Gateway Health Alliances, Inc.                | Priva             | te Co-PI   | \$11,172                | 36%               | \$4,022               |
| Vingren, .    | I., Co-PI; Mcfarlin, B., PI; Kinesiology, Health Promotion,  | & Recreation; Mcfar     | lin, B., PI; Vingren, J., Co-PI; Biolo        | ogical Scienc     | es         |                         |                   |                       |
| GP20027       | Is Recovery from an Intensified Exercise Protocol Accelerated by Consumption of a Boswellia-Curcumin Supplement?       | Research                | Unibar Corporation                            | Priva             | te Co-PI   | \$14,662                | 36%               | \$5,278               |
|               | Totals for   | Vingren,Jakob Lang      | berg  |                   |            |                         |                   | \$17,999              |
| Office o      | of Grants and Contracts Administration University of   | North Texas             |   |                   |            | Expendit                | ures. September F | Y2018: Page 5 of 4    |

| Project<br>ID | Title   |                | Category              | Sponsor                                      | Funding<br>Source |          | Expended<br>This Period | Recognition %    | Recognition<br>Amount |
|---------------|---|----------------|-----------------------|--|-------------------|----------|-------------------------|------------------|-----------------------|
|               |   | Totals for     | Kinesiology, Health   | Promotion, & Recreation                      |                   |          |                         |                  | \$60,077              |
| Teacher       | Education & Administration                                  |                |                       |  |                   |          |                         |                  |                       |
| Boyd,Ro       | ossana R  |                |                       |  |                   |          |                         |                  |                       |
| GF0610        | Title III: National Professional Development Progr<br>NEXUS | am - Project   | Instruction           | U.S. Department of Education                 | Federa            | al PI    | \$24,367                | 100%             | \$24,367              |
| Boyd, R.,     | Co-PI; Teacher Education & Administration; I                | Dixon, R., PI; | Azad, R., Co-PI; Ch   | en, F., Co-PI; Biological Sciences;          | Azad, R., Co-     | PI; Math | nematics; D'Sou         | za, N., Co-PI; N | <b>1</b> echa         |
| GF1734        | Biosynthesis, Regulation and Engineering of C-Lig           | gnin           | Research              | National Science Foundation                  | Federa            | al Co-PI | \$15,161                | 10%              | \$1,516               |
|               |   | Totals for     | Boyd,Rossana R        |  |                   |          |                         |                  | \$25,883              |
| Eddy,Co       | olleen M  |                |                       |  |                   |          |                         |                  |                       |
| Eddy, C.,     | Co-PI; Harrell, P., PI; Teacher Education & A               | Administration | $\imath$              |  |                   |          |                         |                  |                       |
| GF40006       | 2016-2017 Teacher Quality Grant                             |                | Public Service        | Texas Higher Education Coordinating Board    | Feder             | al Co-PI | \$76,082                | 50%              | \$38,041              |
|               |   | Totals for     | Eddy,Colleen M        |  |                   |          |                         |                  | \$38,041              |
| Harrell,l     | Pamela Esprivalo  |                |                       |  |                   |          |                         |                  |                       |
| Harrell, P    | P., PI; Eddy, C., Co-PI; Teacher Education & A              | Administration | $\imath$              |  |                   |          |                         |                  |                       |
| GF40006       | 2016-2017 Teacher Quality Grant                             |                | Public Service        | Texas Higher Education Coordinating<br>Board | Feder             | al PI    | \$76,082                | 50%              | \$38,041              |
| Harrell, P    | P., Co-PI; Teacher Education & Administration               | ; Thompson,    | R., PI; Biological Sc | iences                                       |                   |          |                         |                  |                       |
| GP6415        | TI Foundation Grant III for Teach North Texas               |                | Instruction           | Texas Instruments Foundation                 | Privat            | e Co-PI  | \$8,486                 | 50%              | \$4,243               |
|               |   | Totals for     | Harrell,Pamela Espi   | rivalo                                       |                   |          |                         |                  | \$42,284              |
| Wickstro      | om,Carol D  |                |                       |  |                   |          |                         |                  |                       |
| GF40002       | Improving Teacher Quality State Grants                      |                | Public Service        | Texas Higher Education Coordinating<br>Board | Feder             | al PI    | \$3,548                 | 100%             | \$3,548               |
| GS6038        | Write for Texas_Writing Coaching Services                   |                | Instruction           | University of Texas at Austin                | State             | PI       | \$2,612                 | 100%             | \$2,612               |
|               |   | Totals for     | Wickstrom,Carol D     |  |                   |          |                         |                  | \$6,161               |
|               |   | Totals for     | Teacher Education     | & Administration                             |                   |          |                         |                  | \$112,369             |
|               |   | Totals for     | College of Education  | ı  |                   |          |                         |                  | \$311,445             |
| College o     | of Engineering  |                |                       |  |                   |          |                         |                  |                       |
| _             | er Science & Engineering                                    |                |                       |  |                   |          |                         |                  |                       |
| Akl,Rob       |   |                |                       |  |                   |          |                         |                  |                       |
| ,             | ert<br>o-PI; Kavi, K., PI; Computer Science & Engin         | oerino         |                       |  |                   |          |                         |                  |                       |
| GF1679        | I/UCRC: NSF Net-Centric and Cloud Software and              |                | Research              | National Science Foundation                  | Federa            | al Co-PI | \$4,012                 | 20%              | \$802                 |
|               | f Grants and Contracts Administration, Un                   |                |                       |  |                   |          |                         |                  | Y2018: Page 6 of      |

| Project<br>ID | Title  | Category            | Sponsor                           | Funding l<br>Source |           | Expended<br>This Period | Recognition % | Recognition<br>Amount |
|---------------|--|---------------------|-----------------------------------|---------------------|-----------|-------------------------|---------------|-----------------------|
| Akl, R., C    | Co-PI; Takabi, H., PI; Computer Science & Engineering  |                     |                                   |                     |           |                         |               |                       |
| GF70025       | University of North Texas GenCyber Grant   | Instruction         | National Security Agency          | Federal             | Co-PI     | \$126                   | 50%           | \$63                  |
| Akl, R., C    | Co-PI; Kavi, K., PI; Computer Science & Engineering  |                     |                                   |                     |           |                         |               |                       |
| GP6447        | Membership Fees: IUCRC Net Centric Software and Systems  | Research            | Generic Pooled Sponsor            | Private             | Co-PI     | \$4,558                 | 20%           | \$912                 |
|               | Totals for   | Akl,Robert          |                                   |                     |           |                         |               | \$1,777               |
| Blanco \      | Villar,Eduardo   |                     |                                   |                     |           |                         |               |                       |
| GF30021       | Towards Inter-Sentential Models for Detecting Focus of Negation  | Research            | National Science Foundation       | Federal             | l PI      | \$2,470                 | 100%          | \$2,470               |
|               | Totals for   | Blanco Villar,Edu   | ardo                              |                     |           |                         |               | \$2,470               |
| Dantu,R       | Ramanamurthy   |                     |                                   |                     |           |                         |               |                       |
| Dantu, R.     | ., PI; Computer Science & Engineering; Hawamdeh, S., Co-I  | PI; Information Sci | ence; Kim, D., Co-PI; Information | Technology & De     | ecision S | Science                 |               |                       |
| GF1634        | SFS-NEW: Advancing Learning and Leadership Through an Integrated Multidisciplinary Doctoral Program in Information Assurance                           | Instruction         | National Science Foundation       | Federal             | l PI      | \$33,000                | 50%           | \$16,500              |
| Dantu, R.     | ., PI; Computer Science & Engineering; Hawamdeh, S., Co-I  | PI; Information Sci | ence; Kim, D., Co-PI; Information | Technology & De     | ecision S | Science                 |               |                       |
| GF1718        | SFS-NEW: Advancing Learning and Leadership Through an Integrated Multidisciplinary Doctoral Program in Information Assurance                           | Instruction         | National Science Foundation       | Federal             | l PI      | \$1,246                 | 50%           | \$623                 |
| GF30012       | EAGER: Transformative Emergency Dispatch Protocols for a Sixty Second Response   | Research            | National Science Foundation       | Federal             | l PI      | \$3,297                 | 100%          | \$3,297               |
|               | Totals for   | Dantu,Ramanamu      | rthy                              |                     |           |                         |               | \$20,420              |
| Do,Hyu        | nsook  |                     |                                   |                     |           |                         |               |                       |
| GF1746        | CAREER: Context-Aware Regression Testing Techniques and Empirical Evaluations of Their Economic Impact   | Research            | National Science Foundation       | Federal             | l PI      | \$2,470                 | 100%          | \$2,470               |
|               | Totals for   | Do,Hyunsook         |                                   |                     |           |                         |               | \$2,470               |
| Fu,Song       | ξ  |                     |                                   |                     |           |                         |               |                       |
| GF30011       | CSR: Medium: Collaborative Research: Wizard: Exploiting Disk<br>Performance Signatures For Cost Effective Management of Large<br>Scale Storage Systems | Research            | National Science Foundation       | Federal             | l PI      | \$2,771                 | 100%          | \$2,771               |
| GF40034       | Developing Disk Health Analysis and Failure Prediction Tools for<br>HPC Storage Systems  | Research            | Los Alamos National Laboratory    | Federal             | l PI      | \$2,470                 | 100%          | \$2,470               |

| Project<br>ID        | Title   | Category                 | Sponsor                                | Funding<br>Source |          | Expended<br>This Period | Recognition %    | Recognition<br>Amount |
|----------------------|---|--------------------------|--|-------------------|----------|-------------------------|------------------|-----------------------|
| GF4266               | Anomaly Detection in DOE High Performance Computing   | Research                 | Los Alamos National Laboratory         | Feder             | al PI    | \$2,461                 | 100%             | \$2,461               |
|                      | Systems Logs Using Machine Learning   |                          |  |                   |          |                         |                  |                       |
| Huang,               | Totals for<br>Yan   | Fu,Song                  |  |                   |          |                         |                  | \$7,702               |
| Truum <sub>A</sub> , | Tun   |                          |  |                   |          |                         |                  |                       |
| GF2665               | Geotagging Social Media for Enhanced Location-Based Search  | Research                 | National Geospatial-Intelligence Agen  | cy Feder          | al PI    | \$450                   | 100%             | \$450                 |
|                      | Totals for  | Huang,Yan                |  |                   |          |                         |                  | \$450                 |
| Jin,Wei              |   |                          |  |                   |          |                         |                  |                       |
| GF30025              | CAREER: Creation, Visualization, and Mining of Domain<br>Textual Graphs: Integrating Domain Knowledge and Human<br>Intelligence                                       | Research                 | National Science Foundation            | Feder             | al PI    | \$2,470                 | 100%             | \$2,470               |
|                      | Totals for  | Jin,Wei                  |  |                   |          |                         |                  | \$2,470               |
| Kavi,Kr              | rishna M  |                          |  |                   |          |                         |                  |                       |
| Kavi, K.,            | PI; Akl, R., Co-PI; Computer Science & Engineering  |                          |  |                   |          |                         |                  |                       |
| GF1679               | I/UCRC: NSF Net-Centric and Cloud Software and Systems  | Research                 | National Science Foundation            | Feder             | al PI    | \$4,012                 | 80%              | \$3,209               |
| GF30029              | I/UCRC: NSF Net-centric and Cloud Software and Systems  | Research                 | National Science Foundation            | Feder             | al PI    | \$2,846                 | 100%             | \$2,846               |
| Kavi, K.,            | PI; Akl, R., Co-PI; Computer Science & Engineering  |                          |  |                   |          |                         |                  |                       |
| GP6447               | Membership Fees: IUCRC Net Centric Software and Systems   | Research                 | Generic Pooled Sponsor                 | Privat            | e PI     | \$4,558                 | 80%              | \$3,646               |
|                      | Totals for  | Kavi,Krishna M           |  |                   |          |                         |                  | \$9,701               |
| Ludi,Sto             | ephanie Ann   |                          |  |                   |          |                         |                  |                       |
| GF30016              | BP: Collaborative Research: I-ECS: Inclusive Exploring CS<br>Curriculum Enhancement as Face-to-Face and Online Support for<br>Visually Impaired, High School Students | Research                 | National Science Foundation            | Feder             | al PI    | \$6,460                 | 100%             | \$6,460               |
|                      | Totals for  | Ludi,Stephanie Ann       |  |                   |          |                         |                  | \$6,460               |
| Mikler,              | Armin R   |                          |  |                   |          |                         |                  |                       |
| Mikler, A            | , PI; Ramisetty-Mikler, S., Co-PI; Computer Science & Eng   | ineering; O'Neill II, l  | M., Co-PI; Institute for Applied Scien | nces; Tiwari,     | C., Co-  | PI; Geography           |                  |                       |
| GF00007              | Minimizing Access Disparities in Bio-Emergency Response Planning  | Research                 | National Institutes of Health          | Feder             | al PI    | \$3,532                 | 25%              | \$883                 |
|                      | Totals for  | Mikler,Armin R           |  |                   |          |                         |                  | \$883                 |
| Ramiset              | tty-Mikler,Suhasini   |                          |  |                   |          |                         |                  |                       |
| Ramisetty            | y-Mikler, S., Co-PI; Mikler, A., PI; Computer Science & Eng   | gineering; O'Neill II, l |  |                   |          |                         |                  |                       |
| GF00007              | Minimizing Access Disparities in Bio-Emergency Response Planning  | Research                 | National Institutes of Health          | Feder             | al Co-PI | \$3,532                 | 25%              | \$883                 |
| Office               | of Grants and Contracts Administration University of  | North Tayas              |  |                   |          | Fynendit                | ures Sentember F | Y2018: Page 8 of 4    |

| Project<br>ID | Title   | Category             | Sponsor                              | Funding<br>Source | PI /<br>Co-PI |           | Recognition % | Recognition<br>Amount |
|---------------|---|----------------------|--------------------------------------|-------------------|---------------|-----------|---------------|-----------------------|
|               | Totals fo   | r Ramisetty-Mikler,S | Suhasini                             |                   |               |           |               | \$883                 |
| Takabi,l      | Hassan  |                      |                                      |                   |               |           |               |                       |
| Takabi, H     | I., PI; Akl, R., Co-PI; Computer Science & Engineering  |                      |                                      |                   |               |           |               |                       |
| GF70025       | University of North Texas GenCyber Grant  | Instruction          | National Security Agency             | Federa            | al PI         | \$126     | 50%           | \$63                  |
|               | Totals fo   | r Takabi,Hassan      |                                      |                   |               |           |               | \$63                  |
| Tarau,P       | aul   |                      |                                      |                   |               |           |               |                       |
| GF1689        | SHF: Small: Application of Hereditarily Binary Numbers  | Research             | National Science Foundation          | Federa            | al PI         | \$6,612   | 100%          | \$6,612               |
|               | Totals fo   | r <b>Tarau,Paul</b>  |                                      |                   |               |           |               | \$6,612               |
|               | Totals for  | r Computer Science   | & Engineering                        |                   |               |           |               | \$62,359              |
| Electrica     | al Engineering  |                      |                                      |                   |               |           |               |                       |
| Acevedo       | o,Miguel F  |                      |                                      |                   |               |           |               |                       |
| GF4254        | Global Research and Education Initiative on Sustainable<br>Desalination Technology                          | Research             | Institute of International Education | Federa            | al PI         | \$635     | 100%          | \$635                 |
| GF70021       | Pilot evaluation of a sustainable autonomous brackish groundwater desalination system                       | Research             | The Bureau of Reclamation            | Federa            | al PI         | \$2,345   | 100%          | \$2,34                |
|               | Totals fo   | r Acevedo, Miguel F  |                                      |                   |               |           |               | \$2,980               |
| Fu,Shen       | gli   |                      |                                      |                   |               |           |               |                       |
| GF1724        | EAGER: Aerial Communication Infrastructure for Smart Emergency Response                                     | Research             | National Science Foundation          | Federa            | al PI         | -\$10,682 | 100%          | (\$10,682             |
| GF30031       | CI-NEW: Collaborative Research: Developing an Open<br>Networked Airborne Computing Platform                 | Research             | National Science Foundation          | Federa            | al PI         | \$1,608   | 100%          | \$1,60                |
|               | Totals fo   | r Fu,Shengli         |                                      |                   |               |           |               | (\$9,074              |
| Lin,Yua       | nkun  |                      |                                      |                   |               |           |               |                       |
| Lin, Y., P    | I; Electrical Engineering; Lin, Y., PI; Physics   |                      |                                      |                   |               |           |               |                       |
| GF30032       | Collaborative Research: Three Dimensional Laser Holographic Nanopatterning Using Metamaterial Phase Masks   | Research             | National Science Foundation          | Federa            | al PI         | \$3,384   | 25%           | \$840                 |
|               | Totals fo   | r Lin,Yuankun        |                                      |                   |               |           |               | \$84                  |
| Mehta,G       | Gayatri   |                      |                                      |                   |               |           |               |                       |
| GF30002       | SHF: Small: Visual Architectures: Engaging Crowds in Design and Discovery for Custom Reconfigurable Devices | Research             | National Science Foundation          | Federa            | al PI         | \$3,429   | 100%          | \$3,429               |
|               | Totals fo   | r Mehta,Gayatri      |                                      |                   |               |           |               | \$3,429               |

| Project<br>ID | Title   | Category             | Sponsor  | _             | PI /<br>Co-PI | Expended This Period | Recognition<br>% | Recognition<br>Amount |
|---------------|---|----------------------|--|---------------|---------------|----------------------|------------------|-----------------------|
|               | Totals for  | Electrical Enginee   | ring   |               |               |                      |                  | (\$1,819)             |
| Engineer      | ring Technology   |                      |  |               |               |                      |                  |                       |
| Bostanci      | i,Huseyin   |                      |  |               |               |                      |                  |                       |
| GS80005       | NPI-UNT Partnership on Nuclear Education and Systems<br>Engineering Initiative Programs                             | Research             | Texas A & M Engineering Experiment Station                                     | State         | PI            | \$14                 | 100%             | \$14                  |
|               | Totals for  | Bostanci,Huseyin     |  |               |               |                      |                  | \$14                  |
| Nasraza       | dani,Seifollah  |                      |  |               |               |                      |                  |                       |
| Nasrazada     | ani, S., Co-PI; Yu, C., Co-PI; Zhang, H., Co-PI; Engineerin   | ng Technology; Mis   | hra, R., Co-PI; Mukherjee, S., Co-PI; V  | oevodin, A.,  | Co-PI;        | Materials Scienc     | e & Engineerii   | ıg                    |
| GF40016       | Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters                       | Research             | Northeastern University  | Federa        | al Co-PI      | -\$42,622            | 14.29%           | (\$6,091)             |
| Nasrazado     | ani, S., Co-PI; Yu, C., Co-PI; Engineering Technology; Mu   | kherjee, S., PI; Mis | hra, R., Co-PI; Voevodin, A., Co-PI; M   | aterials Scie | ence & E      | ngineering; Zhai     | ng, H., Co-PI;   | Mech                  |
| GF40044       | Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters                       | Research             | Northeastern University  | Federa        | al Co-PI      | \$44,711             | 14.29%           | \$6,389               |
| Nasrazad      | ani, S., PI; Yu, C., Co-PI; Engineering Technology; Mishro  | ı, R., Co-PI; Mukhei | rjee, S., Co-PI; Voevodin, A., Co-PI; M  | aterials Scie | ence & E      | ngineering; Zhai     | ng, H., Co-PI;   | Mech                  |
| GF40045       | Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters                       | Research             | Northeastern University  | Federa        | al PI         | \$12,202             | 14.29%           | \$1,744               |
| GP6379        | Development of New Accelerated Corrosion Test(s) for All-<br>Aluminum Microchannel and Tube and Fin Heat Exchangers | Research             | American Society of Heating, Refrigera<br>and Air-conditioning Engineers(ASHR. |               | e PI          | \$15                 | 100%             | \$15                  |
|               | Totals for  | Nasrazadani,Seifo    |  | ,             |               |                      |                  | \$2,057               |
| Nowicki       | David Richard   |                      |  |               |               |                      |                  |                       |
| Nowicki,      | D., PI; Engineering Technology; Nowicki, D., PI; Bomba, I   | M., Co-PI; Marketin  | ng & Logistics   |               |               |                      |                  |                       |
| GF40031       | SUPPORT OF IMPLEMENTING THE FIXING AMERICA'S SURFACE TRANSPORTATION ACT AND THE BORDER TRADE ADVISORY COMMITTEE     | Research             | Texas Department of Transportation   | Federa        | al PI         | \$35,308             | 10%              | \$3,531               |
|               | Totals for  | Nowicki,David Ric    | chard  |               |               |                      |                  | \$3,531               |
| Yu,Cher       | ng  |                      |  |               |               |                      |                  |                       |
| Yu, C., Co    | o-PI; Nasrazadani, S., Co-PI; Zhang, H., Co-PI; Engineerin  | ng Technology; Mis   | hra, R., Co-PI; Mukherjee, S., Co-PI; V  | oevodin, A.,  | Co-PI;        | Materials Scienc     | e & Engineerii   | ıg                    |
| GF40016       | Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters                       | Research             | Northeastern University  | Federa        | al Co-PI      | -\$42,622            | 14.29%           | (\$6,091)             |
| Yu, C., Co    | o-PI; Nasrazadani, S., Co-PI; Engineering Technology; Mu  | kherjee, S., PI; Mis | hra, R., Co-PI; Voevodin, A., Co-PI; M   | aterials Scie | ence & E      | ngineering; Zhai     | ng, H., Co-PI;   | Mech                  |
| GF40044       | Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters                       | Research             | Northeastern University  | Federa        | al Co-PI      | \$44,711             | 14.29%           | \$6,389               |
| Yu, C., Co    | o-PI; Nasrazadani, S., PI; Engineering Technology; Mishra   | ı, R., Co-PI; Mukhei | rjee, S., Co-PI; Voevodin, A., Co-PI; M  | aterials Scie | ence & E      | ngineering; Zhai     | ng, H., Co-PI;   | Mech                  |
| GF40045       | Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters                       | Research             | Northeastern University  |               | al Co-PI      | \$12,202             | 14.29%           | \$1,744               |

| Project<br>ID                         | Title  | Category                      | Sponsor  | Funding<br>Source |           |                     | Recognition %     | Recognition<br>Amount |
|---------------------------------------|--|-------------------------------|--|-------------------|-----------|---------------------|-------------------|-----------------------|
| GP20000                               | Load Bearing Clip Angle Design - Phase 2   | Research                      | American Iron and Steel Institute  | Private           | e PI      | \$2,079             | 100%              | \$2,079               |
| Zhang,H                               |  | Yu,Cheng                      |  |                   |           |                     |                   | \$4,121               |
| GF1662                                | GOALI: Collaborative Research: Self-Powered Dual-Mode<br>Piezoelectric Resonant Pressure/Temperature Sensors for Oil and<br>Gas Field Explorations   | Research                      | National Science Foundation  | Federa            | ıl PI     | \$2,439             | 100%              | \$2,439               |
| Zhang, H.                             | , Co-PI; Nasrazadani, S., Co-PI; Yu, C., Co-PI; Engineerin   | ng Technology; Mish           | ra, R., Co-PI; Mukherjee, S., Co-PI;   | Voevodin, A.,     | Co-PI;    | Materials Scien     | ce & Engineerir   | ıg                    |
| GF40016                               | Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters  | Research                      | Northeastern University  |                   | l Co-PI   | -\$42,622           | _                 | (\$6,091)             |
|                                       | Totals for   | Zhang,Haifeng                 |  |                   |           |                     |                   | (\$3,652)             |
|                                       | Totals for   | Engineering Techno            | ology  |                   |           |                     |                   | \$6,071               |
| Material                              | s Science & Engineering  |                               |  |                   |           |                     |                   |                       |
| -                                     | Samir M<br>., Co-PI; Voevodin, A., PI; Scharf, T., Co-PI; Materials Sci  | ence & Engineering;           | : Aouadi, S., Co-PI; Physics   |                   |           |                     |                   |                       |
| GF70012                               | Task FY16.6.0 - Adaptive Tribological Surfaces Prepared by Additive Cold Spray Processes   | Research                      | US Army Research Laboratory  | Federa            | l Co-PI   | \$270               | 26.4%             | \$71                  |
|                                       | Totals for   | Aouadi,Samir M                |  |                   |           |                     |                   | \$71                  |
| <del></del>                           | e,Rajarshi   |                               |  |                   |           |                     |                   |                       |
| -                                     | R., PI; Srivilliputhur, S., Co-PI; Materials Science & Engin   | _                             |  |                   |           |                     |                   |                       |
| GF1696                                | DMERF: Collaborative Research: Accelerated Development of<br>Next Generation of Ti Alloys Through Heterophase Interface<br>Engineering   | Research                      | National Science Foundation  | Federa            | ıl PI     | \$4,718             | 50%               | \$2,359               |
| Banerjee,                             | R., Co-PI; Mishra, R., PI; Mukherjee, S., Co-PI; Reidy III,  | R., Co-PI; Scharf, T          | C., Co-PI; Xia, Z., Co-PI; Young, M.,  | Co-PI; Mater      | ials Scie | nce & Engineer      | ing; Xia, Z., Co- | ·PI;                  |
| CE40010                               | Technical Proposal for Advanced Ballistics Technology Material   | s Research                    | Temple University - Of The   | Federa            | ıl Co-PI  | \$156,909           | 10%               | \$15,691              |
| GF40018                               | Development, Characterization and Computational Modeling<br>Activities   |                               | Commonwealth System of Higher Education  |                   |           |                     |                   |                       |
|                                       | Development, Characterization and Computational Modeling   | R., Co-PI; Materials          | Education  |                   |           |                     |                   |                       |
|                                       | Development, Characterization and Computational Modeling Activities  | R., Co-PI; Materials Research | Education  | Federa            | ıl Co-PI  | \$27,429            | 25%               | \$6,857               |
| Banerjee,                             | Development, Characterization and Computational Modeling Activities  R., Co-PI; Voevodin, A., PI; Dahotre, N., Co-PI; Mishra, I Material Testing and Characterization in Support of Laser De-  | Research                      | Education Science & Engineering  | Federa<br>Federa  |           | \$27,429<br>\$1,606 | 25%<br>100%       | \$6,857<br>\$1,606    |
| <i>Banerjee,</i><br>GF40050<br>GF4290 | Development, Characterization and Computational Modeling Activities  R., Co-PI; Voevodin, A., PI; Dahotre, N., Co-PI; Mishra, I Material Testing and Characterization in Support of Laser De-Painting Technologies  Integration of ICME with Legacy and Novel TMP Processing for | Research<br>Research          | Education  Science & Engineering University of Dayton  American Lightweight Materials Manufacturing Innovation Institute |                   |           | . ,                 |                   | . ,                   |

| Project<br>ID | Title   | Category                      | Sponsor                             | Funding<br>Source |          | Expended<br>This Period | Recognition % | Recognition<br>Amount      |
|---------------|---|-------------------------------|-------------------------------------|-------------------|----------|-------------------------|---------------|----------------------------|
| GP00018       | Phase II of AM processed Nickel Alloy-X  Totals for   | Research<br>Banerjee,Rajarshi | Oerlikon Metco (US) Inc.            | Private           | e PI     | \$2,377                 | 100%          | \$2,377<br><b>\$29,427</b> |
| Berman        | ,Diana  |                               |                                     |                   |          |                         |               |                            |
| GF40058       | Understanding and Prediction of the Coupled Stress-Induced<br>Evolution of Nanoscale Materials Interfaces               | Research                      | University of California, Merced    | Federa            | al PI    | \$3,160                 | 100%          | \$3,160                    |
|               | Totals for  | Berman,Diana                  |                                     |                   |          |                         |               | \$3,160                    |
| Brostow       | ,Witold Konrad  |                               |                                     |                   |          |                         |               |                            |
| GP00001       | Improved Coatings for Wires and Cables  | Research                      | Encore Wire                         | Private           | e PI     | \$427                   | 100%          | \$427                      |
|               | Totals for  | Brostow,Witold Ko             | nrad                                |                   |          |                         |               | \$427                      |
| Dahotre       | ,Narendra B   |                               |                                     |                   |          |                         |               |                            |
| Dahotre,      | N., Co-PI; Voevodin, A., PI; Banerjee, R., Co-PI; Mishra, R   | R., Co-PI; Materials R        |                                     |                   |          |                         |               |                            |
| GF40050       | Material Testing and Characterization in Support of Laser De-<br>Painting Technologies                                  | Research                      | University of Dayton                | Federa            | ıl Co-PI | \$27,429                | 25%           | \$6,857                    |
|               | Totals for  | Dahotre,Narendra l            | 3                                   |                   |          |                         |               | \$6,857                    |
| D'souza       |   |                               |                                     |                   |          |                         |               |                            |
|               | F., PI; Materials Science & Engineering; D'souza, F., PI; C   | -                             | N. 2. 10: 12                        | Б.1               | 1 DI     | <b>#21</b>              | 200/          | n.c                        |
| GF1692        | Light Harvesting Nanocarbon-Sensitizer Supramolecules   | Research                      | National Science Foundation         | Federa            | ıl PI    | \$31                    | 20%           | \$6                        |
|               | F., Co-PI; Materials Science & Engineering; Wang, H., PI;   |                               |                                     |                   |          |                         |               |                            |
| GF70013       | Extended Porphyrins: Functionalization and Applications in DSS  |                               | U.S. Department of Energy           | Federa            | ıl Co-PI | \$3,638                 | 8%            | \$291                      |
| D'Souzo       | ,Nandika Anne   | D'souza,Francis               |                                     |                   |          |                         |               | \$297                      |
|               | N., Co-PI; Materials Science & Engineering; Dixon, R., PI;  | Azad. R., Co-PI: Ch           | en. F., Co-PI: Biological Sciences: | : Azad. R., Co-I  | PI: Math | ematics: Bovd.          | R Co-PI: Teac | her E                      |
| GF1734        | Biosynthesis, Regulation and Engineering of C-Lignin  | Research                      | National Science Foundation         |                   | l Co-PI  | \$15,161                | 2%            | \$303                      |
| D'Souza.      | N., PI; Materials Science & Engineering; D'Souza, N., PI; M   | Mechanical & Energ            | v Engineering                       |                   |          |                         |               |                            |
| GF30027       | Collaborative Research: Engineering Fully Biobased Foams for<br>the Building Industry                                   | Research                      | National Science Foundation         | Federa            | al PI    | \$5,260                 | 20%           | \$1,052                    |
|               | Totals for  | D'Souza,Nandika A             | nne                                 |                   |          |                         |               | \$1,355                    |
| Du,Jincl      | heng  |                               |                                     |                   |          |                         |               |                            |
| GF2675        | Molecular Dynamics-Based Simulations of Bulk/Interfacial<br>Structures and Diffusion Behaviors in Nuclear Waste Glasses | Research                      | U.S. Department of Energy           | Federa            | ıl PI    | \$11,700                | 100%          | \$11,700                   |

| Project<br>ID | Title   | Category             | Sponsor  | Funding Source  |           | Expended I<br>This Period | Recognition<br>% | Recognition<br>Amount |
|---------------|---|----------------------|--|-----------------|-----------|---------------------------|------------------|-----------------------|
| GF40041       | Understanding Fundamental Science Governing the Development<br>and Performance of Nuclear Waste Glasses   | Research             | Rutgers University - New Brunswick                                       | Federa          | 1 PI      | \$10,796                  | 100%             | \$10,796              |
| GF40047       | Center for Performance and Design of Nuclear Waste Forms and Containers (WastePD)   | Research             | The Ohio State University  | Federa          | l PI      | \$7,774                   | 100%             | \$7,774               |
|               | Totals for  | Du,Jincheng          |  |                 |           |                           |                  | \$30,270              |
| Mishra,l      | Rajiv Sharan  |                      |  |                 |           |                           |                  |                       |
| GF1605        | NSF IUCRC: Friction Stir Processing   | Research             | National Science Foundation  | Federa          | l PI      | \$718                     | 100%             | \$718                 |
| GF1688        | Multiscale Fundamental Investigation of Micro Mechanisms of<br>Cyclic Deformation and Fatigue in an Ultrafine Grained<br>Aluminum Alloy               | Research             | National Science Foundation  | Federa          | l PI      | \$6,056                   | 100%             | \$6,056               |
| Mishra, R     | ., Co-PI; Mukherjee, S., Co-PI; Voevodin, A., Co-PI; Mater  | ials Science & Engi  | neering; Nasrazadani, S., Co-PI; Yu,                                     | , C., Co-PI; Zh | ang, H.   | , Co-PI; Enginee          | ring Technolog   | gy.                   |
| GF40016       | Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters   | Research             | Northeastern University  | Federa          | l Co-PI   | -\$42,622                 | 14.29%           | (\$6,091)             |
| Mishra, R     | ., PI; Banerjee, R., Co-PI; Mukherjee, S., Co-PI; Reidy III,  | R., Co-PI; Scharf, T | ., Co-PI; Xia, Z., Co-PI; Young, M.,                                     | Co-PI; Materi   | ials Scie | nce & Engineerii          | ng; Xia, Z., Co- | -PI;                  |
| GF40018       | Technical Proposal for Advanced Ballistics Technology Materials<br>Development, Characterization and Computational Modeling<br>Activities             | Research             | Temple University - Of The<br>Commonwealth System of Higher<br>Education | Federa          | l PI      | \$156,909                 | 40%              | \$62,763              |
| Mishra, R     | ., Co-PI; Mukherjee, S., PI; Voevodin, A., Co-PI; Materials   | Science & Engineer   | ring; Nasrazadani, S., Co-PI; Yu, C.,                                    | , Co-PI; Engin  | eering T  | Technology; Zhar          | ıg, H., Co-PI; l | Mech                  |
| GF40044       | Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters   | Research             | Northeastern University  | Federa          | l Co-PI   | \$44,711                  | 14.29%           | \$6,389               |
| Mishra, R     | ., Co-PI; Mukherjee, S., Co-PI; Voevodin, A., Co-PI; Mater  | ials Science & Engi  | neering; Nasrazadani, S., PI; Yu, C.,                                    | , Co-PI; Engin  | eering T  | Technology; Zhar          | ng, H., Co-PI; I | Mech                  |
| GF40045       | Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters   | Research             | Northeastern University  | Federa          | l Co-PI   | \$12,202                  | 14.29%           | \$1,744               |
| Mishra, R     | ., Co-PI; Voevodin, A., PI; Banerjee, R., Co-PI; Dahotre, N   | ., Co-PI; Materials  | Science & Engineering  |                 |           |                           |                  |                       |
| GF40050       | Material Testing and Characterization in Support of Laser De-<br>Painting Technologies  | Research             | University of Dayton   | Federa          | l Co-PI   | \$27,429                  | 25%              | \$6,857               |
| GF70006       | Development of Multi-Physics Based Hybrid Manufacturing for Unique Microstructures  | Research             | Army Research Office   | Federa          | l PI      | \$20,914                  | 100%             | \$20,914              |
| GF70016       | Development of Multi-Physics Based Hybrid Manufacturing for<br>Unique Microstructures - CFSP IUCRC Membership Funded in<br>P00012 to W911NF-13-2-0018 | Research             | Army Research Office   | Federa          | l PI      | \$1,663                   | 100%             | \$1,663               |

| Project<br>ID | Title   | Category               | Sponsor  | Funding<br>Source |             | Expended<br>This Period | Recognition %     | Recognition<br>Amount |
|---------------|---|------------------------|--|-------------------|-------------|-------------------------|-------------------|-----------------------|
| GF70017       | Cooperative Agreement # W911NF-13-2-0018 - Development of Multi-physics Based Hybrid Manufacturing for Unique Microstructure              | Research               | US Army Research Laboratory  | Fede              | eral PI     | -\$26,601               | 100%              | (\$26,601)            |
| GP6448        | Membership Fees - IUCRC Friction Stir Processing  | Research               | Generic Pooled Sponsor   | Priv              | ate PI      | \$23,757                | 100%              | \$23,757              |
|               | Totals for  | Mishra,Rajiv Sharar    | 1  |                   |             |                         |                   | \$98,169              |
| Mukher        | jee,Sundeep   |                        |  |                   |             |                         |                   |                       |
| GF30022       | I-Corps: Metallic glass catalysts for energy conversion and storage   | e Research             | National Science Foundation  | Fede              | eral PI     | \$249                   | 100%              | \$249                 |
| Mukherje      | e, S., Co-PI; Mishra, R., Co-PI; Voevodin, A., Co-PI; Mater   | ials Science & Engin   | eering; Nasrazadani, S., Co-PI; Y  | /и, С., Со-РІ;    | Zhang, H.   | ., Co-PI; Engine        | ering Technolog   | gy                    |
| GF40016       | Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters   | Research               | Northeastern University  | Fede              | eral Co-PI  | -\$42,622               | 28.55%            | (\$12,169)            |
| Mukherje      | e, S., Co-PI; Mishra, R., PI; Banerjee, R., Co-PI; Reidy III,   | R., Co-PI; Scharf, T., | . Co-PI; Xia, Z., Co-PI; Young, M.                                       | I., Co-PI; Mat    | erials Scie | ence & Engineer         | ing; Xia, Z., Co  | -PI;                  |
| GF40018       | Technical Proposal for Advanced Ballistics Technology Materials<br>Development, Characterization and Computational Modeling<br>Activities | Research               | Temple University - Of The<br>Commonwealth System of Higher<br>Education | Fede              | eral Co-PI  | \$156,909               | 10%               | \$15,691              |
| Mukherje      | e, S., PI; Mishra, R., Co-PI; Voevodin, A., Co-PI; Materials  | Science & Engineeri    | ing; Nasrazadani, S., Co-PI; Yu, C                                       | C., Co-PI; Eng    | ineering '  | Technology; Zha         | ıng, H., Co-PI; İ | Mech                  |
| GF40044       | Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters   | Research               | Northeastern University  | Fede              | eral PI     | \$44,711                | 28.55%            | \$12,765              |
| Mukherje      | e, S., Co-PI; Mishra, R., Co-PI; Voevodin, A., Co-PI; Mater   | ials Science & Engin   | eering; Nasrazadani, S., PI; Yu, C                                       | C., Co-PI; Eng    | ineering '  | Technology; Zha         | ıng, H., Co-PI; İ | Mech                  |
| GF40045       | Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters   | Research               | Northeastern University  | _                 | eral Co-PI  |                         | 28.55%            | \$3,484               |
| GF40046       | Reduced Activity Complex Concentrated Alloys for Generation IV Reactor Systems  | Research               | ATS-MER, LLC   | Fede              | eral PI     | \$6,279                 | 100%              | \$6,279               |
|               | Totals for  | Mukherjee,Sundeep      |  |                   |             |                         |                   | \$26,299              |
| Reidy II      | I,Richard F   |                        |  |                   |             |                         |                   |                       |
| Reidy III,    | R., Co-PI; Mishra, R., PI; Banerjee, R., Co-PI; Mukherjee,  | S., Co-PI; Scharf, T., | Co-PI; Xia, Z., Co-PI; Young, M.   | ., Co-PI; Mat     | erials Scie | ence & Engineer         | ing; Xia, Z., Co  | -PI;                  |
| GF40018       | Technical Proposal for Advanced Ballistics Technology Materials<br>Development, Characterization and Computational Modeling<br>Activities | Research               | Temple University - Of The<br>Commonwealth System of Higher<br>Education | Fede              | eral Co-PI  | \$156,909               | 10%               | \$15,691              |
| Reidy III,    | R., Co-PI; Young, M., PI; Materials Science & Engineering   |                        |  |                   |             |                         |                   |                       |
| GP00006       | Characterization of Superconducting Thin Film Materials   | Research               | Superconductor Technologies Inc.   | Priv              | ate Co-PI   | \$2,508                 | 25%               | \$627                 |
|               | Totals for  | Reidy III,Richard F    |  |                   |             |                         |                   | \$16,318              |
| Scharf, T     | Chomas W  |                        |  |                   |             |                         |                   |                       |

| Project<br>ID | Title   | Category            | Sponsor  | Funding<br>Source | PI /<br>Co-PI | Expended<br>This Period | U                  | Recognition<br>Amount |
|---------------|---|---------------------|--|-------------------|---------------|-------------------------|--------------------|-----------------------|
| Scharf, T.    | , Co-PI; Mishra, R., PI; Banerjee, R., Co-PI; Mukherjee, S.,  | Co-PI; Reidy III, I | R., Co-PI; Xia, Z., Co-PI; Young, M.,                                    | Co-PI; Mate       | rials Scie    | ence & Engineer         | ring; Xia, Z., Co- | ·PI;                  |
| GF40018       | Technical Proposal for Advanced Ballistics Technology Materials<br>Development, Characterization and Computational Modeling<br>Activities | Research            | Temple University - Of The<br>Commonwealth System of Higher<br>Education | Fede              | ral Co-PI     | \$156,909               | 10%                | \$15,691              |
| Scharf, T.    | , Co-PI; Voevodin, A., PI; Aouadi, S., Co-PI; Materials Scie  | ence & Engineering  | ; Aouadi, S., Co-PI; Physics   |                   |               |                         |                    |                       |
| GF70012       | Task FY16.6.0 - Adaptive Tribological Surfaces Prepared by Additive Cold Spray Processes  | Research            | US Army Research Laboratory  | Fede              | ral Co-PI     | \$270                   | 33%                | \$89                  |
| Scharf, T.    | , PI; Banerjee, R., Co-PI; Materials Science & Engineering  |                     |  |                   |               |                         |                    |                       |
| GF70028       | Fundamental Mechanistic Investigations of Novel Additively<br>Manufactured Hybrid Materials   | Research            | Air Force Office of Scientific Research                                  | ch Fede           | ral PI        | \$1,073                 | 50%                | \$536                 |
|               | Totals for  | Scharf, Thomas W    |  |                   |               |                         |                    | \$16,316              |
| =             | uthur,Srinivasan G.   |                     |  |                   |               |                         |                    |                       |
| Srivilliput   | hur, S., Co-PI; Banerjee, R., PI; Materials Science & Engin   | eering              |  |                   |               |                         |                    |                       |
| GF1696        | DMERF: Collaborative Research: Accelerated Development of<br>Next Generation of Ti Alloys Through Heterophase Interface<br>Engineering    | Research            | National Science Foundation  | Fede              | ral Co-PI     | \$4,718                 | 50%                | \$2,359               |
|               | Totals for  | Srivilliputhur,Srin | ivasan G.  |                   |               |                         |                    | \$2,359               |
| Voevodi       | n,Andrey Aleksejevich   |                     |  |                   |               |                         |                    |                       |
| Voevodin,     | A., Co-PI; Mishra, R., Co-PI; Mukherjee, S., Co-PI; Mater   | ials Science & Eng  | ineering; Nasrazadani, S., Co-PI; Yu,                                    | C., Co-PI; 2      | Zhang, H.     | , Co-PI; Engine         | eering Technolog   | gy                    |
| GF40016       | Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters   | Research            | Northeastern University  | Fede              | ral Co-PI     | -\$42,622               | 14.29%             | (\$6,091)             |
| Voevodin,     | A., Co-PI; Mukherjee, S., PI; Mishra, R., Co-PI; Materials  | Science & Engine    | ering; Nasrazadani, S., Co-PI; Yu, C.,                                   | Co-PI; Engi       | ineering T    | Technology; Zha         | ang, H., Co-PI; I  | Mech                  |
| GF40044       | Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters   | Research            | Northeastern University  | Fede              | ral Co-PI     | \$44,711                | 14.29%             | \$6,389               |
| Voevodin,     | A., Co-PI; Mishra, R., Co-PI; Mukherjee, S., Co-PI; Mater.  | ials Science & Eng  | ineering; Nasrazadani, S., PI; Yu, C.,                                   | Co-PI; Engi       | ineering T    | Technology; Zha         | ang, H., Co-PI; I  | Mech                  |
| GF40045       | Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters   | Research            | Northeastern University  | Fede              | ral Co-PI     | \$12,202                | 14.29%             | \$1,744               |
| Voevodin,     | A., PI; Banerjee, R., Co-PI; Dahotre, N., Co-PI; Mishra, R.   | ., Co-PI; Materials | Science & Engineering  |                   |               |                         |                    |                       |
| GF40050       | Material Testing and Characterization in Support of Laser De-<br>Painting Technologies  | Research            | University of Dayton   | Fede              | ral PI        | \$27,429                | 25%                | \$6,857               |
| Voevodin,     | A., PI; Aouadi, S., Co-PI; Scharf, T., Co-PI; Materials Scie  | nce & Engineering   | ; Aouadi, S., Co-PI; Physics   |                   |               |                         |                    |                       |
| GF70012       | Task FY16.6.0 - Adaptive Tribological Surfaces Prepared by Additive Cold Spray Processes  | Research            | US Army Research Laboratory  | Fede              | ral PI        | \$270                   | 34%                | \$92                  |
| GF70019       | Two-dimensional nanostructured material processing and characterization.  | Research            | US Army Research Laboratory  | Fede              | ral PI        | \$3,489                 | 100%               | \$3,489               |
|               | Totals for  | Voevodin, Andrey    | Aleksejevich   |                   |               |                         |                    | \$12,480              |
| Xia,Zhe       | nhai  |                     |  |                   |               |                         |                    |                       |
|               |   |                     |  |                   |               |                         |                    |                       |

| Project<br>ID | Title   | Category             | Sponsor  | _            | PI /<br>Co-PI | Expended<br>This Period | Recognition %      | Recognition<br>Amount |
|---------------|---|----------------------|--|--------------|---------------|-------------------------|--------------------|-----------------------|
| Xia, Z., P    | I; Materials Science & Engineering; Xia, Z., PI; Chemistry  |                      |  |              |               |                         |                    |                       |
| GF1659        | Collaborative Research: Multifunctional Nanocomposities with Reversible Switch and Controlled Release Surfaces                            | Research             | National Science Foundation  | Feder        | al PI         | \$2,109                 | 80%                | \$1,687               |
| Xia, Z., P    | I; Materials Science & Engineering; Xia, Z., PI; Chemistry  |                      |  |              |               |                         |                    |                       |
| GF1684        | Nanomanufacturing of High-Performance Graphene-Based<br>Catalytic Electrodes for Renewable Energy Production                              | Research             | National Science Foundation  | Feder        | al PI         | \$1,125                 | 80%                | \$900                 |
| Xia, Z., C    | Co-PI; Mishra, R., PI; Banerjee, R., Co-PI; Mukherjee, S., Co   | o-PI; Reidy III, R., | Co-PI; Scharf, T., Co-PI; Young, M.,                                     | Co-PI; Mater | rials Scie    | nce & Engineer          | ring; Xia, Z., Co- | ·PI;                  |
| GF40018       | Technical Proposal for Advanced Ballistics Technology Materials<br>Development, Characterization and Computational Modeling<br>Activities | Research             | Temple University - Of The<br>Commonwealth System of Higher<br>Education | Feder        | al Co-PI      | \$156,909               | 8%                 | \$12,553              |
| Xia, Z., P    | I; Materials Science & Engineering; Xia, Z., PI; Chemistry  |                      |  |              |               |                         |                    |                       |
| GF4147        | Nanofabrication of Tunable 3D Nanotube Architectures  | Research             | Case Western Reserve University  | Feder        | al PI         | \$10,351                | 80%                | \$8,281               |
|               | Totals for  | Xia,Zhenhai          |  |              |               |                         |                    | \$23,420              |
| Young,N       | Marcus Lynn   |                      |  |              |               |                         |                    |                       |
| Young, M      | I., Co-PI; Mishra, R., PI; Banerjee, R., Co-PI; Mukherjee, S.   | , Co-PI; Reidy III   | , R., Co-PI; Scharf, T., Co-PI; Xia, Z.,                                 | Co-PI; Mater | rials Scie    | nce & Engineer          | ring; Xia, Z., Co- | ·PI;                  |
| GF40018       | Technical Proposal for Advanced Ballistics Technology Materials<br>Development, Characterization and Computational Modeling<br>Activities | Research             | Temple University - Of The<br>Commonwealth System of Higher<br>Education | Feder        | al Co-PI      | \$156,909               | 10%                | \$15,691              |
| GF40063       | Adaptive Aerostructures for Revolutionary Civil Supersonic Technologies Development   | Research             | Texas A & M Engineering Experiment Station                               | nt Feder     | al PI         | \$2,470                 | 100%               | \$2,470               |
| GF70004       | Processing Studies on NiTi-based High Temperature Shape<br>Memory Alloys  | Research             | National Aeronautics & Space<br>Administration                           | Feder        | al PI         | \$2,228                 | 100%               | \$2,228               |
| GF70007       | Processing and Characterization of Shape Memory Alloy Wires and Powders as Active/Adaptive Materials in Protective Systems                | Research             | Army Research Office   | Feder        | al PI         | \$2,153                 | 100%               | \$2,153               |
| GF70018       | Field Responsive Properties of Adaptive Strain Glass  | Research             | US Army Research Laboratory  | Feder        | al PI         | \$7,717                 | 100%               | \$7,717               |
| Young, M      | I., PI; Reidy III, R., Co-PI; Materials Science & Engineering   |                      |  |              |               |                         |                    |                       |
| GP00006       | Characterization of Superconducting Thin Film Materials   | Research             | Superconductor Technologies Inc.   | Privat       | e PI          | \$2,508                 | 75%                | \$1,881               |
| GP00017       | Characterization of Pb-based Batteries  | Research             | RSR Technologies, Inc.   | Privat       | e PI          | \$1,708                 | 100%               | \$1,708               |
| GP20031       | Characterization of a High Entropy Alloy Welding Process for<br>Application to Forging Dies   | Research             | Forging Foundation   | Privat       | e PI          | \$113                   | 100%               | \$113                 |
| OCC           | of Grants and Contracts Administration University of I  | V                    |  |              |               | Evnanditu               | vas Cantambar EV   | 2018: Page 16 of 4    |

| Project<br>ID | Title   | Category                | Sponsor   | Funding<br>Source |          | Expended<br>This Period | Recognition %     | Recognition<br>Amount |
|---------------|---|-------------------------|---|-------------------|----------|-------------------------|-------------------|-----------------------|
|               | Totals for  | Young,Marcus Lynr       | 1   |                   |          |                         |                   | \$33,960              |
|               | Totals for  | Materials Science &     | Engineering   |                   |          |                         |                   | \$301,185             |
| Mechani       | ical & Energy Engineering   |                         |   |                   |          |                         |                   |                       |
| Choi,Ta       | e-Youl  |                         |   |                   |          |                         |                   |                       |
| GP50000       | Development of a kW-level nanocomposites-based membrane heat pump   | Research                | Korea Institute of Machinery & Mater (KIMM)           | rials Privat      | e PI     | \$9,478                 | 3 100%            | \$9,478               |
|               | Totals for  | Choi, Tae-Youl          |   |                   |          |                         |                   | \$9,478               |
| D'Souza       | ,Nandika Anne   |                         |   |                   |          |                         |                   |                       |
| D'Souza,      | N., Co-PI; Mechanical & Energy Engineering; Dixon, R.,  | PI; Azad, R., Co-PI; C  | then, F., Co-PI; Biological Sciences;                 | Azad, R., Co      | o-PI; Ma | thematics; Boy          | d, R., Co-PI; Tea | acher                 |
| GF1734        | Biosynthesis, Regulation and Engineering of C-Lignin  | Research                | National Science Foundation                           | Feder             | al Co-PI | \$15,161                | . 8%              | \$1,213               |
| D'Souza,      | N., PI; Mechanical & Energy Engineering; D'Souza, N., P.  | ; Materials Science &   | Engineering   |                   |          |                         |                   |                       |
| GF30027       | Collaborative Research: Engineering Fully Biobased Foams for the Building Industry  | Research                | National Science Foundation                           | Feder             | al PI    | \$5,260                 | 80%               | \$4,208               |
|               | Totals for  | D'Souza,Nandika Aı      | nne   |                   |          |                         |                   | \$5,421               |
| John,Ku       | ıruvilla  |                         |   |                   |          |                         |                   |                       |
| John, K.,     | Co-PI; Mechanical & Energy Engineering; Oppong, J., PI  | ; Briggle, A., Co-PI; F | Philosophy & Religion Studies                         |                   |          |                         |                   |                       |
| GF1675        | Gaming Graduate Ethics Education in Science & Engineering   | Research                | National Science Foundation                           | Feder             | al Co-PI | \$5,922                 | 2 10%             | \$592                 |
| GF2691        | Dynamic Behavior and Failure of Advanced High-Performance<br>Structural Materials   | Research                | U.S. Army Corps of Engineers                          | Feder             | al PI    | \$11,430                | 100%              | \$11,430              |
|               | Totals for  | John,Kuruvilla          |   |                   |          |                         |                   | \$12,022              |
| Shi,Shel      | don Qiang   |                         |   |                   |          |                         |                   |                       |
| Shi, S., Pl   | I; Zhang, H., Co-PI; Mechanical & Energy Engineering  |                         |   |                   |          |                         |                   |                       |
| GF70023       | Real time gas monitoring with wireless high temperature sensor<br>for the pyrolysis process of biomass to improve the production<br>efficiency  | Research                | U.S. Department of Agriculture                        | Feder             | al PI    | \$14,444                | 50%               | \$7,222               |
|               | Totals for  | Shi,Sheldon Qiang       |   |                   |          |                         |                   | \$7,222               |
| Zhang,F       | Taifeng   |                         |   |                   |          |                         |                   |                       |
| GF40036       | Self-Powered Wireless Through-Wall Data Communication for Nuclear Environments  | Research                | Virginia Polytechnic Institute and Stat<br>University | te Feder          | al PI    | \$10,801                | 100%              | \$10,801              |
| GF40042       | The Joint Development of Real-time Sensing and Activation<br>Systems for the Control of Moveable Vehicle Body Surfaces for<br>the Cause of Mitigating Crosswind Effects on Vehicle<br>Aerodynamic Performance | Research                | Peterbilt Motors Company                              | Feder             | al PI    | \$2,470                 | 100%              | \$2,470               |

| Project<br>ID | Title  | Category                            | Sponsor                                      | _           | PI /<br>Co-PI | Expended<br>This Period | Recognition %    | Recognition<br>Amount     |
|---------------|--|-------------------------------------|--|-------------|---------------|-------------------------|------------------|---------------------------|
| Zhang, H.     | ., Co-PI; Mechanical & Energy Engineering; Mukherjee, S.,  | PI; Mishra, R., Co-                 | PI; Voevodin, A., Co-PI; Materials S         | cience & En | gineering     | g; Nasrazadani,         | S., Co-PI; Yu, C | C., Co                    |
| GF40044       | Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters  | Research                            | Northeastern University                      | Feder       | al Co-PI      | \$44,711                | 14.29%           | \$6,389                   |
| Zhang, H.     | ., Co-PI; Mechanical & Energy Engineering; Nasrazadani, S  | S., PI; Yu, C., Co-PI               | ; Engineering Technology; Mishra, F          | , Co-PI; Mı | ukherjee,     | S., Co-PI; Voe          | vodin, A., Co-Pl | I; Mat                    |
| GF40045       | Engineered Materials and Materials Design of Engineered Materials (EMMDEM): Tactical Shelters  | Research                            | Northeastern University                      | Feder       | al Co-PI      | \$12,202                | 2 14.29%         | \$1,744                   |
| GF4265        | Self-Powered Wireless Dual-Mode Langasite Sensor for Pressure<br>/ Temperature Monitoring of Nuclear Reactors                                  | Research                            | Stony Brook University                       | Feder       | al PI         | \$7,196                 | 5 100%           | \$7,196                   |
| Zhang, H.     | ., Co-PI; Shi, S., PI; Mechanical & Energy Engineering   |                                     |  |             |               |                         |                  |                           |
| GF70023       | Real time gas monitoring with wireless high temperature sensor<br>for the pyrolysis process of biomass to improve the production<br>efficiency | Research                            | U.S. Department of Agriculture               | Feder       | al Co-PI      | \$14,444                | 50%              | \$7,222                   |
|               | Totals for   | Zhang,Haifeng                       |  |             |               |                         |                  | \$35,821                  |
|               | Totals for   | Mechanical & Ener                   | gy Engineering                               |             |               |                         |                  | \$69,964                  |
|               | gy & Speech - Language Pathology<br>Erin Cheri   |                                     |  |             |               |                         |                  |                           |
| GA00003       | Autism Grant Program - Innovative Treatment Models   | Research                            | Texas Higher Education Coordinating<br>Board | State       | PI            | \$10,696                | 100%             | \$10,696                  |
|               | Totals for   | Schafer,Erin Cheri                  |  |             |               |                         |                  | \$10,696                  |
|               | Totals for   | Audiology & Speech                  | h - Language Pathology                       |             |               |                         |                  | \$10,696                  |
| Behavio       | r Analysis   |                                     |  |             |               |                         |                  |                           |
| Ala'i-Ro      | osales,Shahla S  |                                     |  |             |               |                         |                  |                           |
| GP20038       | ESATP UNT ABA Development and Training Collaboration  Totals for   | Public Service  Ala'i-Rosales,Shahl | Easter Seals                                 | Priva       | te PI         | \$4,925                 | 100%             | \$4,925<br><b>\$4,925</b> |
| Smith,R       | ichard G   |                                     |  |             |               |                         |                  | +                         |
| GS00016       | Behavior Analysis Resource Center - Competency Based Training  | g Public Service                    | Texas Department of Aging & Disabil          | ity State   | PI            | \$6,649                 | 100%             | \$6,649                   |
| GS00017       | Behavior Analysis Resource Center - Denton State Support<br>Living Center  | Public Service                      | Texas Department of Aging & Disabil          | ity State   | PI            | \$22,899                | 100%             | \$22,899                  |
|               | Totals for   | Smith,Richard G                     |  |             |               |                         |                  | \$29,547                  |
| Office o      | of Grants and Contracts Administration, University of I  | North Texas                         |  |             |               | Expenditu               | res. September F | Y2018: Page 18 of         |

| Project<br>ID | Title  |               | Category             | Sponsor  | _           | PI /<br>Co-PI | Expended<br>This Period | Recognition % | Recognition<br>Amount |
|---------------|--|---------------|----------------------|--|-------------|---------------|-------------------------|---------------|-----------------------|
| Vaidya,       | Manish   |               |                      |  |             |               |                         |               |                       |
| GS80003       | Pediatric Radiation Oncology with Movie Induced S<br>Effect PROMISE            | Sedation      | Research             | University of Texas Southwestern Med             | lical State | PI            | \$4,954                 | 100%          | \$4,954               |
|               |  | Totals for    | Vaidya,Manish        |  |             |               |                         |               | \$4,954               |
|               |  | Totals for    | Behavior Analysis    |  |             |               |                         |               | \$39,427              |
| Commun        | nication & Professional Programs - Gener                                       | al            |                      |  |             |               |                         |               |                       |
| Thomas        | ,Cecilia Louise  |               |                      |  |             |               |                         |               |                       |
| GF40015       | Title IV-E Child Welfare Grant   |               | Instruction          | Texas Department of Family & Protect<br>Services | ive Feder   | al PI         | -\$80                   | 100%          | (\$80)                |
| GF40055       | IV-E University Training Program   |               | Instruction          | Texas Department of Family & Protect<br>Services | ive Feder   | al PI         | \$26,933                | 100%          | \$26,933              |
|               |  | Totals for    | Thomas,Cecilia Lou   | ise  |             |               |                         |               | \$26,853              |
|               |  | Totals for    | Communication & F    | Professional Programs - General                  |             |               |                         |               | \$26,853              |
| Disabilit     | y & Addiction Rehabilitation   |               |                      |  |             |               |                         |               |                       |
| Brooks,       | Jessica Marie  |               |                      |  |             |               |                         |               |                       |
| Brooks, J.    | ., Co-PI; Catalano, D., PI; Disability & Addictio                              | on Rehabilite | ation                |  |             |               |                         |               |                       |
| GF0618        | Long-Term Training: Rehabilitation Counseling                                  |               | Public Service       | U.S. Department of Education                     | Feder       | al Co-PI      | \$33,712                | 50%           | \$16,856              |
|               |  | Totals for    | Brooks,Jessica Mari  | e  |             |               |                         |               | \$16,856              |
| Carey,C       | handra Donnell   |               |                      |  |             |               |                         |               |                       |
| Carey, C.     | , Co-PI; Disability & Addiction Rehabilitation;                                | Wilson, A., I | PI; Counseling & Hig | gher Education                                   |             |               |                         |               |                       |
| GS00014       | Cultural and Linguistic Awareness Support Services<br>Counseling (UNT-CLASSIC) | in            | Instruction          | Texas Higher Education Coordinating Board        | State       | Co-PI         | \$1,676                 | 50%           | \$838                 |
| Carey, C.     | , PI; Catalano, D., Co-PI; Disability & Addictio                               | n Rehabilita  | ıtion                |  |             |               |                         |               |                       |
| GS5195        | Partnerships for Allied Health Success   |               | Instruction          | Texas Higher Education Coordinating Board        | State       | PI            | \$755                   | 60%           | \$453                 |
|               |  | Totals for    | Carey,Chandra Don    | nell   |             |               |                         |               | \$1,291               |
| Catalan       | o,Denise Ellen   |               |                      |  |             |               |                         |               |                       |
| Catalano,     | D., PI; Brooks, J., Co-PI; Disability & Addiction                              | on Rehabilit  | ation                |  |             |               |                         |               |                       |
| GF0618        | Long-Term Training: Rehabilitation Counseling                                  |               | Public Service       | U.S. Department of Education                     | Feder       | al PI         | \$33,712                | 50%           | \$16,856              |
| Catalano,     | D., Co-PI; Carey, C., PI; Disability & Addictio                                | n Rehabilita  | ution                |  |             |               |                         |               |                       |
| GS5195        | Partnerships for Allied Health Success   |               | Instruction          | Texas Higher Education Coordinating<br>Board     | State       | Co-PI         | \$755                   | 40%           | \$302                 |
|               |  | Totals for    | Catalano,Denise Elle | en   |             |               |                         |               | \$17,158              |
| Office        | f Country and Country at Administration III                                    |               |                      |  |             |               | - "                     |               | 72018: Page 10 of A   |

| Project<br>ID  | Title   |  | Category   | Sponsor   | Funding<br>Source |          | Expended This Period | Recognition % | Recognition<br>Amount                    |
|--|---|--|--|---|-------------------|----------|----------------------|---------------|--|
| Garber,  | Martha Ann  |  |  |   |                   |          |                      |               |  |
| GS00008  | DARS CRP Credentialing Project  |  | Public Service   | Texas Workforce Commission  | State             | PI       | \$9,255              | 100%          | \$9,255                                  |
| GS00009  | DARS CRP Credentialing Project  | Totals for   | Public Service  Garber, Martha Ann   | Texas Workforce Commission  | State             | PI       | \$7,020              | 100%          | \$7,020<br><b>\$16,276</b>               |
| Hollowa  | ay,Linda L  |  | ,  |   |                   |          |                      |               | . ,                                      |
| GP6461   | Hogg Foundation Recovery to Practice Training Progr   | ram<br>Totals for  | Public Service  Holloway,Linda L   | Hogg Foundation for Mental Health   | Privat            | e PI     | \$3,626              | 100%          | \$3,626<br><b>\$3,626</b>                |
| Watts,J  | ustin Robert  |  |  |   |                   |          |                      |               |  |
| GP30007  |   |  | Public Service Watts,Justin Robert   | National Collegiate Athletic Association  | on Privat         | e PI     | \$270                | 100%          | \$270<br><b>\$270</b>                    |
|  |   |  | D' 1'114 0 4 1 11 41   | n Dobabilitation  |                   |          |                      |               | \$55,477                                 |
|  | ncy Managementt & Disaster Science  | Totals for   | Disability & Addictio  | n Kenabintation   |                   |          |                      |               |  |
|  | ck,Laura Kathryn  CRISP Type 2: Collaborative Research: Critical Trans Resilience and Recovery of Interdependent Social and Networks  | sitions in the<br>Physical   | e Research   | National Science Foundation   | Feder             | al PI    | \$6,131              | 100%          | \$6,131                                  |
| Siebene  | ck,Laura Kathryn  CRISP Type 2: Collaborative Research: Critical Trans Resilience and Recovery of Interdependent Social and Networks  | sitions in the<br>Physical<br>Totals for                                     | Research Siebeneck,Laura Kat   | National Science Foundation   | Feder             | al PI    | \$6,131              | 100%          | \$6,131<br><b>\$6,131</b>                |
| Siebene<br>GF30015   | ck,Laura Kathryn  CRISP Type 2: Collaborative Research: Critical Trans Resilience and Recovery of Interdependent Social and Networks  | sitions in the<br>Physical   | Research Siebeneck,Laura Kat   | National Science Foundation   | Feder             | ıl PI    | \$6,131              | 100%          | \$6,131                                  |
| Siebene GF30015  Public A  | ncy Managementt & Disaster Science ck,Laura Kathryn  CRISP Type 2: Collaborative Research: Critical Trans Resilience and Recovery of Interdependent Social and Networks   | sitions in the<br>Physical<br>Totals for                                     | Research Siebeneck,Laura Kat   | National Science Foundation   | Feder             | al PI    | \$6,131              | 100%          | \$6,131<br><b>\$6,131</b>                |
| Siebene GF30015  Public A  Dash,Ni                                   | ncy Managementt & Disaster Science ck,Laura Kathryn  CRISP Type 2: Collaborative Research: Critical Trans Resilience and Recovery of Interdependent Social and Networks   | sitions in the<br>Physical<br>Totals for                                     | Research Siebeneck,Laura Kat   | National Science Foundation   | Feder             | al PI    | \$6,131              | 100%          | \$6,131<br><b>\$6,131</b>                |
| Siebene GF30015  Public A  Dash,Ni                                   | ck,Laura Kathryn  CRISP Type 2: Collaborative Research: Critical Trans Resilience and Recovery of Interdependent Social and Networks  Administration  | sitions in the<br>Physical<br>Totals for<br>Totals for                       | Research Siebeneck,Laura Kat   | National Science Foundation   |                   | al PI    | \$6,131<br>\$8,679   |               | \$6,131<br><b>\$6,131</b>                |
| Siebene GF30015  Public A  Dash, Ni  Dash, N.,                       | ck,Laura Kathryn  CRISP Type 2: Collaborative Research: Critical Trans Resilience and Recovery of Interdependent Social and Networks  Administration  icole  Co-PI; Webb, G., PI; Public Administration  An Exploratory Study of Disaster Preparedness among American Communities in the United States  | sitions in the Physical  Totals for  Totals for                              | e Research<br>Siebeneck,Laura Kat<br>Emergency Managem                           | National Science Foundation  hryn  nentt & Disaster Science   |                   |          |                      |               | \$6,131<br><b>\$6,131</b>                |
| Siebene<br>GF30015<br>Public A<br>Dash,Ni<br>Dash, N.,<br>GF1693     | ck,Laura Kathryn  CRISP Type 2: Collaborative Research: Critical Trans Resilience and Recovery of Interdependent Social and Networks  Administration  icole  A Co-PI; Webb, G., PI; Public Administration  An Exploratory Study of Disaster Preparedness among American Communities in the United States  | sitions in the Physical  Totals for  Totals for                              | Research Siebeneck,Laura Katl Emergency Managem Research                         | National Science Foundation  hryn  nentt & Disaster Science   |                   |          |                      |               | \$6,131<br>\$6,131<br>\$6,131            |
| Siebene GF30015  Public A  Dash,Ni  Dash, N., GF1693  Webb,G         | ck,Laura Kathryn  CRISP Type 2: Collaborative Research: Critical Trans Resilience and Recovery of Interdependent Social and Networks  Administration  icole  A Co-PI; Webb, G., PI; Public Administration  An Exploratory Study of Disaster Preparedness among American Communities in the United States  | sitions in the Physical  Totals for  Totals for                              | Research Siebeneck,Laura Katl Emergency Managem Research                         | National Science Foundation  hryn  nentt & Disaster Science   |                   |          |                      |               | \$6,131<br>\$6,131<br>\$6,131            |
| Siebene GF30015  Public A  Dash,Ni  Dash, N., GF1693  Webb,G         | ck,Laura Kathryn  CRISP Type 2: Collaborative Research: Critical Trans Resilience and Recovery of Interdependent Social and Networks  Administration  icole  Co-PI; Webb, G., PI; Public Administration  An Exploratory Study of Disaster Preparedness among American Communities in the United States  Gary R  PI; Dash, N., Co-PI; Public Administration  An Exploratory Study of Disaster Preparedness among American Communities in the United States | Sitions in the Physical Totals for Totals for Totals for  Totals for         | Research Siebeneck,Laura Kati Emergency Managem  Research  Dash,Nicole  Research | National Science Foundation  hryn  nentt & Disaster Science   | Feder             |          |                      | 50%           | \$6,131<br>\$6,131<br>\$4,340<br>\$4,340 |
| Siebene GF30015  Public A  Dash,Ni Dash, N., GF1693  Webb,G Webb, G. | ck,Laura Kathryn  CRISP Type 2: Collaborative Research: Critical Trans Resilience and Recovery of Interdependent Social and Networks  Administration  icole  Co-PI; Webb, G., PI; Public Administration  An Exploratory Study of Disaster Preparedness among American Communities in the United States  Gary R  PI; Dash, N., Co-PI; Public Administration  An Exploratory Study of Disaster Preparedness among American Communities in the United States | sitions in the Physical Totals for Totals for  Totals for  Native Totals for | Research Siebeneck,Laura Katt Emergency Managem  Research  Dash,Nicole           | National Science Foundation  hryn  nentt & Disaster Science  National Science Foundation  National Science Foundation | Feder             | al Co-PI | \$8,679              | 50%           | \$6,131<br>\$6,131<br>\$6,131<br>\$4,340 |

| Project<br>ID   | Title   | Category   | Sponsor  | _            | PI /<br>Co-PI        | Expended<br>This Period | Recognition % | Recognition<br>Amount |
|---|---|--|--|--------------|----------------------|-------------------------|---------------|-----------------------|
|   | Totals fo   | r College of Health  | & Public Service   |              |                      |                         |               | \$147,262             |
| College   | of Information  |  |  |              |                      |                         |               |                       |
| Informa   | tion Science  |  |  |              |                      |                         |               |                       |
| Chandle   | er,Yvonne J   |  |  |              |                      |                         |               |                       |
| Chandler  | ; Y., PI; Information Science; Halbert, M., OTHER; Unive  | rsity Library - Gener  | al   |              |                      |                         |               |                       |
| GF2694  | Library Education for the US-Affiliated Pacific: A Project to Strengthen the Digital Future of the Pacific (LEAP II)  | Instruction  | Institute of Museum and Library Serv                                     | ices Feder   | al PI                | \$29,203                | 75%           | \$21,902              |
|   | Totals fo   | c Chandler, Yvonne   | J  |              |                      |                         |               | \$21,902              |
| Hawam   | deh,Suliman M   |  |  |              |                      |                         |               |                       |
| Hawamd  | eh, S., Co-PI; Information Science; Dantu, R., PI; Compute  | er Science & Enginee   | ering; Kim, D., Co-PI; Information Te                                    | chnology & I | ecision .            | Science                 |               |                       |
| GF1634  | SFS-NEW: Advancing Learning and Leadership Through an Integrated Multidisciplinary Doctoral Program in Information Assurance  | Instruction  | National Science Foundation  | Federa       | al Co-PI             | \$33,000                | 25%           | \$8,250               |
| Hawamd  | eh, S., Co-PI; Information Science; Dantu, R., PI; Comput   | er Science & Enginee   | ering; Kim, D., Co-PI; Information Te                                    | chnology & L | ecision .            | Science                 |               |                       |
| GF1718  | SFS-NEW: Advancing Learning and Leadership Through an Integrated Multidisciplinary Doctoral Program in Information Assurance  | Instruction  | National Science Foundation  | Federa       | al Co-PI             | \$1,246                 | 25%           | \$311                 |
|   | Totals fo   | r Hawamdeh,Sulima  | an M   |              |                      |                         |               | \$8,561               |
|   | Totals fo   | r Information Scien  | ce   |              |                      |                         |               | \$30,464              |
| Learnin   | g Technologies  |  |  |              |                      |                         |               |                       |
| Christe   | nsen,Rhonda R   |  |  |              |                      |                         |               |                       |
| Christens   | sen, R., Co-PI; Knezek, G., PI; Tyler-Wood, T., Co-PI; Lea  | rning Technologies   |  |              |                      |                         |               |                       |
| GF1666  | Going Green! Middle Schoolers Out to Save the World (MSOS   | W) Research  | National Science Foundation  | Federa       | al Co-PI             | \$11,347                | 33%           | \$3,745               |
| Christens   | sen, R., Co-PI; Tyler-Wood, T., PI; Knezek, G., Co-PI; Lea  | rning Technologies   |  |              |                      |                         |               |                       |
| GF1727  | Strategies: Collaborative Research: American Innovations in an  | Research   | N. 10' E 1.  |              |                      |                         |               |                       |
| GF1/2/  | Age of Discovery: Teaching Science and Engineering through 3 printed Historical Reconstructions   |  | National Science Foundation  | Feder        | al Co-PI             | \$2,828                 | 33%           | \$933                 |
|   | Age of Discovery: Teaching Science and Engineering through 3  | BD-  | National Science Foundation  | Feder        | al Co-PI             | \$2,828                 | 33%           | \$933                 |
|   | Age of Discovery: Teaching Science and Engineering through 3 printed Historical Reconstructions   | BD-  | National Science Foundation  National Aeronautics & Space Administration |              | al Co-PI<br>al Co-PI |                         | 33%           |                       |
| Christens<br>GF70011                                  | Age of Discovery: Teaching Science and Engineering through 3 printed Historical Reconstructions sen, R., Co-PI; Knezek, G., PI; Tyler-Wood, T., Co-PI; Lea  | nning Technologies Research  | National Aeronautics & Space   |              |                      |                         |               | \$933<br>\$2,573      |
| Christens<br>GF70011<br>Christens                     | Age of Discovery: Teaching Science and Engineering through 3 printed Historical Reconstructions sen, R., Co-PI; Knezek, G., PI; Tyler-Wood, T., Co-PI; Lea NASA STEM Research   | rning Technologies Research rning Technologies                                 | National Aeronautics & Space   | Feder        |                      | \$7,797                 | 33%           | \$2,573               |
| Christens<br>GF70011<br>Christens                     | Age of Discovery: Teaching Science and Engineering through 3 printed Historical Reconstructions  sen, R., Co-PI; Knezek, G., PI; Tyler-Wood, T., Co-PI; Lea NASA STEM Research  sen, R., Co-PI; Knezek, G., PI; Tyler-Wood, T., Co-PI; Lea Research and Evaluation for Hawaii FIRST (Fostering Inspiration)   | rning Technologies Research rning Technologies on Research                     | National Aeronautics & Space<br>Administration  University of Hawaii     | Feder        | al Co-PI             | \$7,797                 | 33%           |                       |
| Christens<br>GF70011                                  | Age of Discovery: Teaching Science and Engineering through Sprinted Historical Reconstructions  sen, R., Co-PI; Knezek, G., PI; Tyler-Wood, T., Co-PI; Leann NASA STEM Research  sen, R., Co-PI; Knezek, G., PI; Tyler-Wood, T., Co-PI; Leann Research and Evaluation for Hawaii FIRST (Fostering Inspirational Relevance through Science and Technology)  Totals for | rning Technologies Research rning Technologies on Research                     | National Aeronautics & Space<br>Administration  University of Hawaii     | Feder        | al Co-PI             | \$7,797                 | 33%           | \$2,573<br>\$2,631    |
| Christens<br>GF70011<br>Christens<br>GP6405<br>Knezek | Age of Discovery: Teaching Science and Engineering through Sprinted Historical Reconstructions  sen, R., Co-PI; Knezek, G., PI; Tyler-Wood, T., Co-PI; Leann NASA STEM Research  sen, R., Co-PI; Knezek, G., PI; Tyler-Wood, T., Co-PI; Leann Research and Evaluation for Hawaii FIRST (Fostering Inspirational Relevance through Science and Technology)  Totals for | rning Technologies Research rning Technologies on Research r Christensen,Rhone | National Aeronautics & Space<br>Administration  University of Hawaii     | Feder        | al Co-PI             | \$7,797                 | 33%           | \$2,573<br>\$2,631    |

| Project<br>ID | Title   | Categor                   | Sponsor   | Funding<br>Source |          | Expended<br>This Period | Recognition<br>% | Recognition<br>Amount |
|---------------|---|---------------------------|---|-------------------|----------|-------------------------|------------------|-----------------------|
| Knezek, G     | ., Co-PI; Tyler-Wood, T., PI; Christensen, R., Co-PI;   | Learning Techno           | ogies   |                   |          |                         |                  |                       |
| GF1727        | Strategies: Collaborative Research: American Innovations<br>Age of Discovery: Teaching Science and Engineering thro<br>printed Historical Reconstructions |                           | ch National Science Foundation                    | Feder             | al Co-PI | \$2,828                 | 33%              | \$933                 |
| Knezek, G     | ., PI; Christensen, R., Co-PI; Tyler-Wood, T., Co-PI;   | Learning Techno           | ogies   |                   |          |                         |                  |                       |
| GF70011       | NASA STEM Research  | Resear                    | ch National Aeronautics & Space Administration    | Federa            | al PI    | \$7,797                 | 34%              | \$2,651               |
| Knezek, G     | ., PI; Christensen, R., Co-PI; Tyler-Wood, T., Co-PI;   | Learning Techno           | ogies   |                   |          |                         |                  |                       |
| GP6405        | Research and Evaluation for Hawaii FIRST (Fostering Instant Relevance through Science and Technology)   | piration Resear           | ch University of Hawaii                           | Privat            | e PI     | \$7,974                 | 34%              | \$2,711               |
|               | Tota  | als for Knezek,Ge         | rald  |                   |          |                         |                  | \$10,153              |
| Tyler-W       | ood,Tandra L  |                           |   |                   |          |                         |                  |                       |
| Tyler-Woo     | d, T., Co-PI; Knezek, G., PI; Christensen, R., Co-PI;   | Learning Techno           | ogies   |                   |          |                         |                  |                       |
| GF1666        | Going Green! Middle Schoolers Out to Save the World (M  | ISOSW) Resear             | ch National Science Foundation                    | Federa            | al Co-PI | \$11,347                | 33%              | \$3,745               |
| Tyler-Woo     | d, T., PI; Christensen, R., Co-PI; Knezek, G., Co-PI;   | Learning Techno           | ogies   |                   |          |                         |                  |                       |
| GF1727        | Strategies: Collaborative Research: American Innovations<br>Age of Discovery: Teaching Science and Engineering thro<br>printed Historical Reconstructions |                           | ch National Science Foundation                    | Federa            | al PI    | \$2,828                 | 34%              | \$961                 |
| Tyler-Woo     | od, T., Co-PI; Knezek, G., PI; Christensen, R., Co-PI;  | Learning Techno           | ogies   |                   |          |                         |                  |                       |
| GF70011       | NASA STEM Research  | Resear                    | ch National Aeronautics & Space<br>Administration | Federa            | al Co-PI | \$7,797                 | 33%              | \$2,573               |
| Tyler-Woo     | od, T., Co-PI; Knezek, G., PI; Christensen, R., Co-PI;  | Learning Techno           | ogies   |                   |          |                         |                  |                       |
| GP6405        | Research and Evaluation for Hawaii FIRST (Fostering Instant Relevance through Science and Technology)   | piration Resear           | ch University of Hawaii                           | Privat            | e Co-PI  | \$7,974                 | 33%              | \$2,631               |
|               | Tota  | als for <b>Tyler-Woo</b>  | d,Tandra L  |                   |          |                         |                  | \$9,910               |
|               | Tota  | als for <b>Learning</b>   | echnologies                                       |                   |          |                         |                  | \$29,945              |
| Linguisti     | cs  |                           |   |                   |          |                         |                  |                       |
| Chelliah      | Shobhana L  |                           |   |                   |          |                         |                  |                       |
|               |   |                           |   |                   |          |                         |                  |                       |
| GF1613        | Lamkang Lexical Database and Online Dictionary (LMK)  | Resear                    |   | Federa            | al PI    | \$4,508                 | 100%             | \$4,508               |
|               |   | als for <b>Chelliah,S</b> |   |                   |          |                         |                  | \$4,508               |
|               |   | als for Linguistics       |   |                   |          |                         |                  | \$4,508               |
| ~             |   | als for <b>College of</b> | Information                                       |                   |          |                         |                  | \$64,917              |
| _             | of Liberal Arts & Social Sciences   |                           |   |                   |          |                         |                  |                       |
| Geograpi      | ny  |                           |   |                   |          |                         |                  |                       |
| Nagaoka       | ,Lisa A   |                           |   |                   |          |                         |                  |                       |

| Project<br>ID   | Title  | Category             | Sponsor                            | Funding<br>Source  |            | Expended<br>This Period | Recognition % | Recognition<br>Amount     |
|-----------------|--|----------------------|------------------------------------|--------------------|------------|-------------------------|---------------|---------------------------|
| Nagaoka,        | L., Co-PI; Wolverton, S., PI; Geography; Johnson, J., Co-I   | PI; Biological Scien | ces                                |                    |            |                         |               |                           |
| GF30007         | The Use of "Ancient" DNA for Interpreting Predation and Mammalian Population Dynamics                                      | Research             | National Science Foundation        | Feder              | al Co-PI   | \$679                   | 20%           | \$136                     |
|                 | Totals for   | Nagaoka,Lisa A       |                                    |                    |            |                         |               | \$136                     |
| Oppong.         | Joseph R   |                      |                                    |                    |            |                         |               |                           |
| Oppong, J       | I., Co-PI; Geography; Ishiyama, J., PI; Political Science  |                      |                                    |                    |            |                         |               |                           |
| GF1682          | REU Site: Civil Conflict Management and Peace Science  | Research             | National Science Foundation        | Feder              | al Co-PI   | \$1,516                 | 20%           | \$303                     |
| GP00021         | The SkyLIFE Proposal   | Research             | The SkyLIFE Company, Inc.          | Priva              | te PI      | \$24                    | 100%          | \$24                      |
|                 | Totals for   | Oppong,Joseph R      |                                    |                    |            |                         |               | \$327                     |
| Ponette,        | Alexandra Gisela   |                      |                                    |                    |            |                         |               |                           |
| GF30000         | CAREER: Intra-Urban Variability in Black Carbon Deposition:<br>Rates, Pathways, and Determinants                           | Research             | National Science Foundation        | Feder              | al PI      | \$14,930                | 100%          | \$14,930                  |
|                 | Totals for   | Ponette, Alexandra   | Gisela                             |                    |            |                         |               | \$14,930                  |
| Tiwari,C        | Chetan   |                      |                                    |                    |            |                         |               |                           |
| Tiwari, C.      | ., Co-PI; Geography; Mikler, A., PI; Ramisetty-Mikler, S., C   | Co-PI; Computer Sci  | ience & Engineering; O'Neill II, N | M., Co-PI; Institu | ite for Ap | plied Sciences          |               |                           |
| GF00007         | Minimizing Access Disparities in Bio-Emergency Response Planning   | Research             | National Institutes of Health      | Feder              | al Co-PI   | \$3,532                 | 25%           | \$883                     |
|                 | Totals for   | Tiwari,Chetan        |                                    |                    |            |                         |               | \$883                     |
| Wolvert         | on,Steven John   |                      |                                    |                    |            |                         |               |                           |
| Wolverton       | ı, S., PI; Nagaoka, L., Co-PI; Geography; Johnson, J., Co-P  | PI; Biological Scien | ces                                |                    |            |                         |               |                           |
| GF30007         | The Use of "Ancient" DNA for Interpreting Predation and Mammalian Population Dynamics                                      | Research             | National Science Foundation        | Feder              | al PI      | \$679                   | 40%           | \$272                     |
|                 | Totals for   | Wolverton,Steven J   | John                               |                    |            |                         |               | \$272                     |
|                 | Totals for   | Geography            |                                    |                    |            |                         |               | \$16,547                  |
| Philosop        | hy & Religion Studies  |                      |                                    |                    |            |                         |               |                           |
| Briggle./       | Adam Robert Dryden   |                      |                                    |                    |            |                         |               |                           |
|                 | a., Co-PI; Oppong, J., PI; Philosophy & Religion Studies; Jo   | ohn, K., Co-PI; Mec  | hanical & Energy Engineering       |                    |            |                         |               |                           |
| GF1675          | Gaming Graduate Ethics Education in Science & Engineering  | Research             | National Science Foundation        | Feder              | al Co-PI   | \$5,922                 | 30%           | \$1,777                   |
|                 | Totals for   | Briggle,Adam Rob     | ert Dryden                         |                    |            |                         |               | \$1,777                   |
| Onnona          | Joseph R   |                      | •                                  |                    |            |                         |               | . ,                       |
| <b>Ծիրսուջ.</b> | •  | 1                    | 1 : 10 5 5                         |                    |            |                         |               |                           |
|                 | I., PI; Briggle, A., Co-PI; Philosophy & Religion Studies; Jo  | ohn, K., Co-PI; Mec  | hanical & Energy Engineering       |                    |            |                         |               |                           |
|                 | I., PI; Briggle, A., Co-PI; Philosophy & Religion Studies; Jo<br>Gaming Graduate Ethics Education in Science & Engineering | Research             | National Science Foundation        | Feder              | al PI      | \$5,922                 | 60%           | \$3,553                   |
| Oppong, J       |  | Research             | 0. 0                               | Feder              | al PI      | \$5,922                 | 60%           | \$3,553<br><b>\$3,553</b> |

|   | Recognition<br>Amount | 0    | Expended This Period | PI /<br>Co-PI | _      | Funding<br>Source | Sponsor                       | Category             | Title  | Project<br>ID |
|---|-----------------------|------|----------------------|---------------|--------|-------------------|-------------------------------|----------------------|--|---------------|
| Research   U.S. Office of Naval Research   Federal   Pl   \$57,925   100%   |                       |      |                      |               |        |                   |                               |                      | Science  | Political     |
| States  |                       |      |                      |               |        |                   |                               |                      | aul Richard  | Hensel,F      |
| Selityama, J., Pl; Political Science; Oppong, J., Co-Pl; Geography   GF1082   | \$57,925              | 100% | \$57,925             | l PI          | ederal | Fed               | U.S. Office of Naval Research | Research             |  | GF2707        |
| Ishiyama, J., Pł., Political Science; Oppong, J., Co-Pł; Geography           GF1682         REU Site: Civil Conflict Management and Peace Science         Research         National Science Foundation         Federal         Pl         \$1,516         80%           Pyzychologram           Pyzychologram           BlumentIII, Heidemarie           GF00005         Modeling marijuana use willingness and problems as a function of social rejection and social anxiety among adolescents         Research         National Institutes of Health         Federal         Pl         \$3,436         100%           Hook.Joban Nord           GP20015         Building a Bridge Between Psychology and Church Ministry         Research         John Templeton Foundation         Private         Pl         \$3,436         100%           GP20015         Building a Bridge Between Psychology and Church Ministry         Research         John Templeton Foundation         Private         Pl         \$3,456         100%           GP20015         Building a Bridge Between Psychology and Church Ministry         Research         Wheaton College         Private         Pl         \$7,115         100%           GP20015         Building a Bridge Between Psychology and States on God Representations via Meaning Making         Research         National Institutes of Health   | \$57,925              |      |                      |               |        |                   |                               | Hensel,Paul Richard  | Totals for   |               |
| Research   National Science Foundation   Federal   PI   \$1,516   80%     Totals for   Totals f           |                       |      |                      |               |        |                   |                               |                      | a,John T.  | Ishiyama      |
| Totals for Totals for Totals for Totals for Totals for Totals for Totals for Totals for Totals for Totals for Totals for Totals for Social rejection and social anxiety among adolescents  Totals for           |                       |      |                      |               |        |                   |                               |                      | J., PI; Political Science; Oppong, J., Co-PI; Geography  | Ishiyama,     |
| Psychology  Blumenthal, Heidemarie  GF0005 Modeling marijuana use willingness and problems as a function of social rejection and social anxiety among adolescents  Totals for Bumenthal, Heidemarie  Totals for Bumenthal, Heidemarie  Hook, Joshu a Bridge Between Psychology and Church Ministry Research John Templeton Foundation Private PI \$30,671 100% are presentations via Meaning Making  Totals for Hook, Joshua Nord  Kelly, K., Co-Pl: Taylor, D., Pl; Ruggero, C., Co-Pl: Psychology  GF0000 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-Pl \$10,278 40% feelby, K., Co-Pl: Taylor, D., Pl; Ruggero, C., Co-Pl: Psychology  GF0000 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-Pl \$10,278 40% feelby, K., Co-Pl: Taylor, D., Pl; Ruggero, C., Co-Pl: Psychology  GF0000 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-Pl \$12,8681 40% feelby, K., Co-Pl: Taylor, D., Pl; Ruggero, C., Co-Pl: Psychology  GF0000 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-Pl \$12,8681 40% feelby, K., Co-Pl: Taylor, D., Pl; Ruggero, C., Co-Pl: Psychology  GF0000 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-Pl \$12,8681 40% feelby, K., Co-Pl: Taylor, D., Pl; Ruggero, C., Co-Pl: Psychology  GF0000 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-Pl \$12,8681 40% feelby, K., Co-Pl: Taylor, D., Pl; Ruggero, C., Co-Pl: Psychology  GF0000 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-Pl \$12,8681 40% feelby, K., Co-Pl: Taylor, D., Pl; Ruggero, C., Co-Pl: Sychology  GF0000 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-Pl \$12,8681 40% feelby, K., Co-Pl: Taylor, D., Pl; Ruggero, C., Co-Pl: Sychology  GF0000 Sleep and Vaccine Response in Nurses (SAV-RN) Sleep and Vaccine Respons | \$1,213               | 80%  | \$1,516              | l PI          | ederal | Fed               | National Science Foundation   | Research             | REU Site: Civil Conflict Management and Peace Science    | GF1682        |
| Psychology   Blumenthal, Heidemarie   Blumenthal, Heidemarie   Research   National Institutes of Health   Federal   Pl   \$3,436   100%   100           | \$1,213               |      |                      |               |        |                   |                               | Ishiyama,John T.     | Totals for   |               |
| Blumenthal, Heidemarie  GF00005 Modeling marijuana use willingness and problems as a function of social rejection and social anxiety among adolescents  Totals for Blumenthal, Heidemarie  Hook, Joshua Nord  GP20015 Building a Bridge Between Psychology and Church Ministry Research John Templeton Foundation Private PI \$30,671 100%  GP6499 Acts of God: The Effect of Natural Disasters on God Representations via Meaning Making  Totals for Hook, Joshua Nord  Kelly, Kimberly S  Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology GF00003 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$10,278 40%  Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology GF00004 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$128,681 40%  Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology GF00004 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$128,681 40%  Kelly, Kimberly S  Parsons, Thomas David  GF4267 Advanced Automated Assessment of Cognitive Changes Research SoarTech Federal PI \$3,894 100%   | \$59,138              |      |                      |               |        |                   |                               | Political Science    | Totals for   |               |
| GF00005 Modeling marijuana use willingness and problems as a function of social rejection and social anxiety among adolescents  Totals for Blumenthal, Heidemarie  Hook, Joshua Nord  GP20015 Building a Bridge Between Psychology and Church Ministry Research John Templeton Foundation Private PI \$30,671 100%  GP6499 Acts of God: The Effect of Natural Disasters on God Representations via Meaning Making  Totals for Hook, Joshua Nord  Kelly, Kimberly S  Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology  GF00003 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$10,278 40%  Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology  GF00004 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$128,681 40%  Totals for Kelly, Kimberly S  Parsons, Thomas David  |                       |      |                      |               |        |                   |                               |                      | gy   | Psycholo      |
| Totals for Data From the Computer of Social rejection and social anxiety among adolescents  Totals for Blumenthal, Heidemarie  Hook, Joshua Nord  GP20015 Building a Bridge Between Psychology and Church Ministry Research John Templeton Foundation Private PI \$30,671 100%  GP6499 Acts of God: The Effect of Natural Disasters on God Representations via Meaning Making Hook, Joshua Nord  Kelly, Kiberly S  Research National Institutes of Health Federal Co-PI \$10,278 40%  Kelly, Kiberly S  Parsons, Thomas David   |                       |      |                      |               |        |                   |                               |                      | hal,Heidemarie   | Blument       |
| Totals for Social rejection and social anxiety among adolescents  Totals for Blumenthal, Heidemarie  Hook, Joshua Nord  GP20015 Building a Bridge Between Psychology and Church Ministry Research John Templeton Foundation Private PI \$30,671 100%  GP6499 Acts of God: The Effect of Natural Disasters on God Representations via Meaning Making  Totals for Hook, Joshua Nord  Kelly, Kimberly S  GF00004 Steep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$10,278 40%  Kelly, Kimberly S  Parsons, Thomas David  GF4267 Advanced Automated Assessment of Cognitive Changes Research SoarTech Federal PI \$3,894 100%   |                       |      |                      |               |        |                   |                               |                      |  |               |
| Totals for Mook, Joshua Nord  GP20015 Building a Bridge Between Psychology and Church Ministry Research John Templeton Foundation Private PI \$30,671 100%  GP6499 Acts of God: The Effect of Natural Disasters on God Representations via Meaning Making  Totals for Hook, Joshua Nord  Kelly, K. Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology  GF00003 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$128,681 40%  Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology  GF00004 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$128,681 40%  Totals for Kelly, Kimberly S  Parsons, Thomas David  GF4267 Advanced Automated Assessment of Cognitive Changes Research SoarTech Federal PI \$3,894 100%  | \$3,436               | 100% | \$3,436              | l PI          | ederal | Fed               | National Institutes of Health | Research             |  | GF00005       |
| Hook, Josh wa Nord  GP20015 Building a Bridge Between Psychology and Church Ministry Research John Templeton Foundation Private PI \$30,671 100%  GP6499 Acts of God: The Effect of Natural Disasters on God Representations via Meaning Making  Totals for Hook, Joshua Nord  Kelly, Kimberly S  Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology  GF00003 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$10,278 40%  Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology  GF00004 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$128,681 40%  Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology  GF00004 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$128,681 40%  Kelly, Kimberly S  Parsons, Thomas David  GF4267 Advanced Automated Assessment of Cognitive Changes Research SoarTech Federal PI \$3,894 100%  | \$3,436               |      |                      |               |        |                   | rie                           | Blumenthal.Heidemar  |  |               |
| GP6499 Acts of God: The Effect of Natural Disasters on God Research Wheaton College Private PI \$7,115 100% Representations via Meaning Making  Totals for Hook, Joshua Nord  Kelly, Kimberly S  Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology  GF00003 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$10,278 40% Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology  GF00004 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$128,681 40% Totals for Kelly, Kimberly S  Parsons, Thomas David  GF4267 Advanced Automated Assessment of Cognitive Changes Research SoarTech Federal PI \$3,894 100%  | ,,,,,,,               |      |                      |               |        |                   |                               | ,                    |  | Hook,Jo       |
| Representations via Meaning Making  Totals for Hook, Joshua Nord  Kelly, Kimberly S  Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology  GF00003 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$10,278 40%  Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology  GF00004 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$128,681 40%  Totals for Kelly, Kimberly S  Parsons, Thomas David  GF4267 Advanced Automated Assessment of Cognitive Changes Research SoarTech Federal PI \$3,894 100%  | \$30,671              | 100% | \$30,671             | e PI          | rivate | Priv              | John Templeton Foundation     | Research             | Building a Bridge Between Psychology and Church Ministry | GP20015       |
| Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology  GF00003 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$10,278 40%  Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology  GF00004 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$128,681 40%  Totals for Kelly, Kimberly S  Parsons, Thomas David  GF4267 Advanced Automated Assessment of Cognitive Changes Research SoarTech Federal PI \$3,894 100%   | \$7,115               | 100% | \$7,115              | e PI          | rivate | Priv              | Wheaton College               | Research             |  | GP6499        |
| Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology  GF00003 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$10,278 40%  Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology  GF00004 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$128,681 40%  Totals for Kelly,Kimberly S  Parsons,Thomas David  GF4267 Advanced Automated Assessment of Cognitive Changes Research SoarTech Federal PI \$3,894 100%   | \$37,785              |      |                      |               |        |                   |                               | Hook,Joshua Nord     | Totals for   |               |
| GF00003 Sleep and Vaccine Response in Nurses (SAV-RN)  Research  National Institutes of Health  Federal Co-PI \$10,278 40%  Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology  GF00004 Sleep and Vaccine Response in Nurses (SAV-RN)  Research  National Institutes of Health  Federal Co-PI \$128,681 40%  Totals for Kelly,Kimberly S  Parsons,Thomas David  GF4267 Advanced Automated Assessment of Cognitive Changes  Research  SoarTech  Federal PI \$3,894 100%  |                       |      |                      |               |        |                   |                               |                      | mberly S   | Kelly,Ki      |
| Kelly, K., Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology  GF00004 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$128,681 40%  Totals for Kelly, Kimberly S  Parsons, Thomas David  GF4267 Advanced Automated Assessment of Cognitive Changes Research SoarTech Federal PI \$3,894 100%  |                       |      |                      |               |        |                   |                               |                      | Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology    | Kelly, K.,    |
| GF00004 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$128,681 40%  Totals for Kelly,Kimberly S  Parsons,Thomas David  GF4267 Advanced Automated Assessment of Cognitive Changes Research SoarTech Federal PI \$3,894 100%  | \$4,111               | 40%  | \$10,278             | l Co-PI       | ederal | Fed               | National Institutes of Health | Research             | Sleep and Vaccine Response in Nurses (SAV-RN)            | GF00003       |
| GF00004 Sleep and Vaccine Response in Nurses (SAV-RN) Research National Institutes of Health Federal Co-PI \$128,681 40%  Totals for Kelly,Kimberly S  Parsons,Thomas David  GF4267 Advanced Automated Assessment of Cognitive Changes Research SoarTech Federal PI \$3,894 100%  |                       |      |                      |               |        |                   |                               |                      | Co-PI; Taylor, D., PI; Ruggero, C., Co-PI; Psychology    | Kelly, K.,    |
| Totals for Kelly, Kimberly S  Parsons, Thomas David  GF4267 Advanced Automated Assessment of Cognitive Changes Research SoarTech Federal PI \$3,894 100%  | \$51,473              | 40%  | \$128,681            | l Co-PI       | ederal | Fed               | National Institutes of Health | Research             |  |               |
| GF4267 Advanced Automated Assessment of Cognitive Changes Research SoarTech Federal PI \$3,894 100%   | \$55,584              |      |                      |               |        |                   |                               | Kelly,Kimberly S     | Totals for   |               |
|   |                       |      |                      |               |        |                   |                               |                      | Thomas David   | Parsons,      |
|   | \$3,894               | 100% | \$3,894              | l PI          | ederal | Fed               | SoarTech                      | Research             |  | GF4267        |
| Totals for Parsons, Thomas David  | \$3,894               |      |                      |               |        |                   | d                             | Parsons, Thomas Davi | Totals for   |               |
| Ruggero, Camilo   |                       |      |                      |               |        |                   |                               |                      | .Camilo  | Ruggero       |

| Project<br>ID | Title  |          | Category                | Sponsor   | Funding<br>Source | PI /<br>Co-PI | Expended<br>This Period | Recognition % | Recognition<br>Amount       |
|---------------|--|----------|-------------------------|---|-------------------|---------------|-------------------------|---------------|-----------------------------|
|               | C., Co-PI; Taylor, D., PI; Kelly, K., Co-PI; Psychology  | ogy      | Dogoowsk                | National Institutes of Health                       | Fada              | rol Co DI     | \$10.270                | 200/          | \$2,056                     |
| GF00003       | Sleep and Vaccine Response in Nurses (SAV-RN)  |          | Research                | National Institutes of Health                       | Fede              | ral Co-PI     | \$10,278                | 20%           | \$2,030                     |
|               | C., Co-PI; Taylor, D., PI; Kelly, K., Co-PI; Psychology  | ogy      | Danasah                 | Ni si anal In si anta a chi Hanlah                  | E. J.             | 1 C- DI       | ¢120 c01                | 200/          | \$25.72 <i>C</i>            |
| GF00004       | Sleep and Vaccine Response in Nurses (SAV-RN)  | tals for | Research Ruggero,Camilo | National Institutes of Health                       | Fede              | ral Co-PI     | \$128,681               | 20%           | \$25,736<br><b>\$27,792</b> |
| Taylor,D      |  | nais ioi | Kuggero, Camno          |   |                   |               |                         |               | \$21,192                    |
|               | , PI; Kelly, K., Co-PI; Ruggero, C., Co-PI; Psycholo   | ogv      |                         |   |                   |               |                         |               |                             |
| GF00003       | Sleep and Vaccine Response in Nurses (SAV-RN)  | ~ 6.7    | Research                | National Institutes of Health                       | Feder             | ral PI        | \$10,278                | 40%           | \$4,111                     |
| Taylor D      | , PI; Kelly, K., Co-PI; Ruggero, C., Co-PI; Psycholo   | ogy      |                         |   |                   |               |                         |               |                             |
| GF00004       | Sleep and Vaccine Response in Nurses (SAV-RN)  | 089      | Research                | National Institutes of Health                       | Fede              | ral PI        | \$128,681               | 40%           | \$51,473                    |
|               |  |          |                         |   |                   |               |                         |               |                             |
| GF4287        | CAP-Treatment of Comorbid Sleep Disorders and PTSD   |          | Research                | University of Texas Health Science Ceat San Antonio | nter Feder        | ral PI        | \$7,295                 | 100%          | \$7,295                     |
| GF70026       | Web-Based Provider Training for Cognitive Behavioral Tof Insomnia (CBTi)                                       | Гһегару  | Research                | U.S. Department of Defense- CDMRP                   | Fede              | ral PI        | \$6,055                 | 100%          | \$6,055                     |
|               | То   | tals for | Taylor,Daniel           |   |                   |               |                         |               | \$68,933                    |
|               | То   | tals for | Psychology              |   |                   |               |                         |               | \$197,425                   |
| Technica      | al Communication   |          |                         |   |                   |               |                         |               |                             |
| Montler,      | Timothy Robert   |          |                         |   |                   |               |                         |               |                             |
| GF70001       | Saanich (str-saa) Texts and Grammar  |          | Research                | National Endowment for the Humanitie                | es Feder          | ral PI        | \$14,364                | 100%          | \$14,364                    |
|               | То   | tals for | Montler, Timothy R      | obert   |                   |               |                         |               | \$14,364                    |
|               | To   | tals for | <b>Technical Commun</b> | ication   |                   |               |                         |               | \$14,364                    |
|               | То   | tals for | College of Liberal A    | arts & Social Sciences                              |                   |               |                         |               | \$292,804                   |
| College o     | of Merchandising, Hospitality & Tourism  |          |                         |   |                   |               |                         |               |                             |
| CMHT -        | General  |          |                         |   |                   |               |                         |               |                             |
| Pookula       | ngara,Sanjukta Arun  |          |                         |   |                   |               |                         |               |                             |
| GF40009       | A Multi-Dimensional Approach to Meet 21st Century Re<br>Education and Industry Challenges for India and the US | etailing | Instruction             | Iowa State University                               | Fede              | ral PI        | \$3,152                 | 100%          | \$3,152                     |
|               | То   | tals for | Pookulangara,Sanju      | ıkta Arun   |                   |               |                         |               | \$3,152                     |
|               | То   | tals for | CMHT - General          |   |                   |               |                         |               | \$3,152                     |
| Merchan       | dising & Digital Retailing   |          |                         |   |                   |               |                         |               |                             |

| oject<br>ID | Title   | Category            | Sponsor                         | Funding<br>Source |        | Expended<br>This Period | Recognition % | Recognition<br>Amount |
|-------------|---|---------------------|---------------------------------|-------------------|--------|-------------------------|---------------|-----------------------|
| ,Buga       | 0   |                     |                                 |                   |        |                         |               |                       |
| 20013       | On-Loom Fabric Defect Inspection Using Contact Image Sensors  | Research            | Wal-mart Foundation, Inc.       | Priva             | ite PI | \$16,993                | 100%          | \$16,993              |
| 20032       | Dual-beard Fibrography for Cotton Length Distribution<br>Measurement  | Research            | Cotton Incorporated             | Priva             | ite PI | \$1,448                 | 100%          | \$1,448               |
|             | Totals for  | Xu,Bugao            |                                 |                   |        |                         |               | \$18,441              |
|             | Totals for  | Merchandising & Di  | igital Retailing                |                   |        |                         |               | \$18,441              |
|             | Totals for  | College of Merchand | dising, Hospitality & Tourism   |                   |        |                         |               | \$21,593              |
| llege o     | of Science  |                     |                                 |                   |        |                         |               |                       |
| vanced      | d Environmental Research  |                     |                                 |                   |        |                         |               |                       |
| nnedy       | ,James H  |                     |                                 |                   |        |                         |               |                       |
| 40008       | Bioassessment and Habitat Assessment Monitoring Study on the<br>Receiving Waters of Dallas / Fort Worth International Airport   | Research            | DFW International Airport Board | Priva             | ite PI | \$2,013                 | 100%          | \$2,013               |
| 40009       | Surveillance of Mosquitoes and Arboviruses Including West Nile Virus in the City of Denton during the 2017 Mosquito Season.   | Research            | City of Denton                  | Priva             | ite PI | \$1,316                 | 100%          | \$1,316               |
|             | Totals for  | Kennedy,James H     |                                 |                   |        |                         |               | \$3,329               |
|             | Totals for  | Advanced Environm   | nental Research                 |                   |        |                         |               | \$3,329               |
| ologica     | al Sciences   |                     |                                 |                   |        |                         |               |                       |
| kinson      | ,Samuel F   |                     |                                 |                   |        |                         |               |                       |
| 0933        | Aquatic Macrophyte Restoration Project, Lake Austin and Town<br>Lake, Texas   | Research            | City of Austin                  | Priva             | ite PI | \$1,472                 | 100%          | \$1,472               |
|             | Totals for  | Atkinson,Samuel F   |                                 |                   |        |                         |               | \$1,472               |
| re,Bri      | an G  |                     |                                 |                   |        |                         |               |                       |
| 1748        | Unraveling the Link Between Carbohydrate Transport and Phosphate Use: Can We Improve Carbon Partitioning and Reduce Nutrient Use?   | Research            | National Science Foundation     | Fede              | ral PI | \$9,660                 | 100%          | \$9,660               |
| re, B., F   | PI; McGarry, R., Co-PI; Biological Sciences   |                     |                                 |                   |        |                         |               |                       |
| 20023       | Redesigning the cotton plant's architecture to improve yield and quality  | Research            | Cotton Incorporated             | Priva             | ite PI | \$5,004                 | 50%           | \$2,502               |
| re, B., F   | Phosphate Use: Can We Improve Carbon Partitioning and Reduce Nutrient Use?  Pl; McGarry, R., Co-Pl; Biological Sciences  Redesigning the cotton plant's architecture to improve yield and |                     |                                 |                   |        |                         |               |                       |

| Project<br>ID | Title  | Category           | Sponsor                                | Funding<br>Source | PI /<br>Co-PI | Expended<br>This Period | Recognition %    | Recognition<br>Amount |
|---------------|--|--------------------|--|-------------------|---------------|-------------------------|------------------|-----------------------|
| GP6458        | Development of Virus-Induced Flowering to Benefit Breeding<br>Between Domesticated and Photoperiodic Sorghum           | Research           | United Sorghum Checkoff                | Privat            | e PI          | \$6,201                 | 100%             | \$6,201               |
|               | Totals for   | Ayre,Brian G       |  |                   |               |                         |                  | \$18,363              |
| Azad,Ra       | njeev Kumar  |                    |  |                   |               |                         |                  |                       |
| Azad, R.,     | Co-PI; Mittler, R., PI; Shulaev, V., Co-PI; Biological Science   | es; Azad, R., Co-H | PI; Mathematics                        |                   |               |                         |                  |                       |
| GF1681        | Ultrafast Omics Reveals Key Players in the Response of Plants to<br>Abiotic Stress                                     | Research           | National Science Foundation            | Federa            | al Co-PI      | \$7,035                 | 17.4%            | \$1,224               |
| Azad, R.,     | Co-PI; Dixon, R., PI; Chen, F., Co-PI; Biological Sciences;  | Azad, R., Co-PI; I | Mathematics; Boyd, R., Co-PI; Teacher  | Education &       | & Admini      | stration; D'Sou         | za, N., Co-PI; M | <b>1</b> echa         |
| GF1734        | Biosynthesis, Regulation and Engineering of C-Lignin   | Research           | National Science Foundation            | Federa            | al Co-PI      | \$15,161                | 6%               | \$910                 |
| Azad, R.,     | Co-PI; Mittler, R., PI; Biological Sciences; Azad, R., Co-PI;  | Mathematics        |  |                   |               |                         |                  |                       |
| GF30010       | NSF/MCB-BSF: Integrating ROS, redox and cell metabolism across plant and animal cells                                  | Research           | National Science Foundation            | Federa            | al Co-PI      | \$13,828                | 12%              | \$1,659               |
|               | Totals for   | Azad,Rajeev Kum    | ar                                     |                   |               |                         |                  | \$3,793               |
| Burggre       | en,Warren W  |                    |  |                   |               |                         |                  |                       |
| Burggren,     | , W., PI; Padilla, P., Co-PI; Biological Sciences  |                    |  |                   |               |                         |                  |                       |
| GF1736        | Epigenetic Inheritance of Physiological Phenotypes: Occurrence,<br>Mechanism and Inter- and Intra-Individual Variation | Research           | National Science Foundation            | Federa            | al PI         | \$10,481                | 60%              | \$6,288               |
| Burggren,     | , W., Co-PI; Crossley II, D., PI; Roberts, A., Co-PI; Biologic   | al Sciences        |  |                   |               |                         |                  |                       |
| GP6450        | Relationships of Effects of Cardiac Outcomes in Fish to Validation of Ecological Risk (RECOVER)                        | Research           | University of Miami - School of Medici | ine Privat        | e Co-PI       | \$4,310                 | 33%              | \$1,422               |
| Burggren,     | , W., Co-PI; Roberts, A., PI; Crossley II, D., Co-PI; Biologic   | al Sciences        |  |                   |               |                         |                  |                       |
| GP6453        | Relationships of Effects of Cardiac Outcomes in Fish to Validation of Ecological Risk (RECOVER)                        | Research           | University of Miami - School of Medici | ine Private       | e Co-PI       | \$5,686                 | 33%              | \$1,876               |
| Burggren,     | , W., PI; Crossley II, D., Co-PI; Roberts, A., Co-PI; Biologic   | al Sciences        |  |                   |               |                         |                  |                       |
| GP6455        | Relationships of Effects of Cardiac Outcomes in Fish to<br>Validation of Ecological Risk (RECOVER)                     | Research           | University of Miami - School of Medici | ine Private       | e PI          | \$7,382                 | 34%              | \$2,510               |
| GP6498        | Developmental Implications of Vertebrate Blastocyst<br>Disassembly and Reassembly                                      | Research           | Dallas IVF                             | Privat            | e PI          | \$3,887                 | 100%             | \$3,887               |
|               | Totals for   | Burggren,Warren    | $\mathbf{W}$                           |                   |               |                         |                  | \$15,984              |
| Chapma        | an,Kent D  |                    |  |                   |               |                         |                  |                       |
| GF30020       | Molecular Targets and Actions of Ethanolamide-Conjugated<br>Oxylipins in Arabidopsis Thaliana                          | Research           | National Science Foundation            | Federa            | al PI         | \$1,647                 | 100%             | \$1,647               |
| GF70010       | Elucidating the Cellular Machinery for Lipid Storage in Plants   | Research           | U.S. Department of Energy              | Federa            | al PI         | \$4,500                 | 100%             | \$4,500               |

| Project<br>ID | Title   | Category            | Sponsor                               | Funding<br>Source |           | Expended<br>This Period | Recognition %    | Recognition<br>Amount |
|---------------|---|---------------------|---------------------------------------|-------------------|-----------|-------------------------|------------------|-----------------------|
| GP00015       | Engineering Seed Value in Cotton - Strategies to Modify Seed<br>Protein Reserves in Cotton              | Research            | Cotton Incorporated                   | Priva             | te PI     | \$5,300                 | 100%             | \$5,300               |
|               | Totals for  | Chapman,Kent D      |                                       |                   |           |                         |                  | \$11,448              |
| Chen,Fa       | ng  |                     |                                       |                   |           |                         |                  |                       |
| Chen, F.,     | Co-PI; Dixon, R., PI; Azad, R., Co-PI; Biological Sciences;   | Azad, R., Co-PI; Me | athematics; Boyd, R., Co-PI; Teacher  | · Education       | & Admin   | istration; D'Sou        | za, N., Co-PI; M | <b>l</b> echa         |
| GF1734        | Biosynthesis, Regulation and Engineering of C-Lignin  | Research            | National Science Foundation           | Fede              | ral Co-PI | \$15,161                | 25%              | \$3,790               |
| Chen, F.,     | Co-PI; Dixon, R., PI; Biological Sciences   |                     |                                       |                   |           |                         |                  |                       |
| GF4183        | Bioenergy Sciences Center   | Research            | UT-Battelle, LLC                      | Fede              | ral Co-PI | \$27,752                | 50%              | \$13,876              |
|               | Totals for  | Chen,Fang           |                                       |                   |           |                         |                  | \$17,666              |
| Crossley      | II,Dane Alan  |                     |                                       |                   |           |                         |                  |                       |
| Crossley I    | I, D., PI; Burggren, W., Co-PI; Roberts, A., Co-PI; Biologi   | cal Sciences        |                                       |                   |           |                         |                  |                       |
| GP6450        | Relationships of Effects of Cardiac Outcomes in Fish to<br>Validation of Ecological Risk (RECOVER)      | Research            | University of Miami - School of Medic | cine Priva        | te PI     | \$4,310                 | 33%              | \$1,422               |
| Crossley I    | I, D., Co-PI; Roberts, A., PI; Burggren, W., Co-PI; Biologi   | cal Sciences        |                                       |                   |           |                         |                  |                       |
| GP6453        | Relationships of Effects of Cardiac Outcomes in Fish to Validation of Ecological Risk (RECOVER)         | Research            | University of Miami - School of Medic | cine Priva        | te Co-PI  | \$5,686                 | 33%              | \$1,876               |
| Crossley I    | I, D., Co-PI; Burggren, W., PI; Roberts, A., Co-PI; Biologi   | cal Sciences        |                                       |                   |           |                         |                  |                       |
| GP6455        | Relationships of Effects of Cardiac Outcomes in Fish to Validation of Ecological Risk (RECOVER)         | Research            | University of Miami - School of Medic | cine Priva        | te Co-PI  | \$7,382                 | 33%              | \$2,436               |
|               | Totals for  | Crossley II,Dane Al | an                                    |                   |           |                         |                  | \$5,735               |
| Dickstei      | n,Rebecca   |                     |                                       |                   |           |                         |                  |                       |
| GF4131        | GEPR: Genetic and Cellular Dissection of Mutualistic Plant-<br>Cicrobe Symbioses in Medicago Truncatula | Research            | Samuel Roberts Noble Foundation, Inc. | :. Fede           | ral PI    | \$1,944                 | 100%             | \$1,944               |
| GF4174        | GEPR: Genetic and Cellular Dissection of Mutualistic Plant-<br>Cicrobe Symbioses in Medicago Truncatula | Research            | Samuel Roberts Noble Foundation, Inc. | c. Feder          | ral PI    | \$1,040                 | 100%             | \$1,040               |
|               | Totals for  | Dickstein,Rebecca   |                                       |                   |           |                         |                  | \$2,984               |
| Dixon,R       | ichard Arthur   |                     |                                       |                   |           |                         |                  |                       |
| Dixon, R.,    | PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences;  | Azad, R., Co-PI; Me | athematics; Boyd, R., Co-PI; Teacher  | · Education       | & Admin   | istration; D'Sou        | za, N., Co-PI; N | <b>1</b> echa         |
| GF1734        | Biosynthesis, Regulation and Engineering of C-Lignin  | Research            | National Science Foundation           | Fede              | ral PI    | \$15,161                | 45%              | \$6,822               |
| Dixon, R.,    | PI; Chen, F., Co-PI; Biological Sciences  |                     |                                       |                   |           |                         |                  |                       |
| GF4183        | Bioenergy Sciences Center   | Research            | UT-Battelle, LLC                      | Fede              | ral PI    | \$27,752                | 50%              | \$13,876              |

| Project<br>ID | Title   | Category                      | Sponsor                             | Funding<br>Source | PI /<br>Co-PI |          | Recognition % | Recognition<br>Amount      |
|---------------|---|-------------------------------|-------------------------------------|-------------------|---------------|----------|---------------|----------------------------|
| GF4288        | Metabolomics: Advancing the Scientific Promise to Better<br>Understand Plant Specialized Metabolism for a Low Carbon<br>Society                               | Research                      | University of Missouri-Columbia     | Feder             | al PI         | \$7,857  | 100%          | \$7,857                    |
| GF4293        | Botanicals Dietary Supplement Research Center- Dietary<br>Polyphenols in the Preservation and Promotion of Cognitive<br>Wellness and Psychological Resiliency | Research                      | Mount Sinai School of Medicine      | Feder             | al PI         | \$12,215 | 100%          | \$12,215                   |
| GP6331        | Molecular Approaches to Improved Protein Utilization in Alfalfa   | Research                      | Forage Genetics International       | Privat            | e PI          | \$11,065 | 100%          | \$11,065                   |
| GP6433        | Condensed Tannin Expression in Row Crops  Totals for  | Research  Dixon,Richard Arthu | Grasslanz Technology Limited (GTL)  | ) Privat          | e PI          | \$7,842  | 100%          | \$7,842<br><b>\$59,676</b> |
| Hoeingh       | aus,David Joseph  | ,                             |                                     |                   |               |          |               | . ,                        |
| GF4253        | Quantification of Alligator Gar Recruitment Dynamics Using a<br>River Stage Specific Floodplain Inundation Model  | Research                      | Wildlife Management Institute, Inc. | Feder             | al PI         | -\$8,898 | 100%          | (\$8,898)                  |
|               | Totals for  | Hoeinghaus,David Jo           | oseph                               |                   |               |          |               | (\$8,898)                  |
| Hughes,       | Lee E   |                               |                                     |                   |               |          |               |                            |
| Hughes, I     | L., PI; Padilla, P., Co-PI; Biological Sciences   |                               |                                     |                   |               |          |               |                            |
| GF1673        | Fostering Outstanding Cohorts in Undergraduate Science II   | Instruction                   | National Science Foundation         | Feder             | al PI         | \$82,220 | 66.67%        | \$54,816                   |
|               | Totals for  | Hughes,Lee E                  |                                     |                   |               |          |               | \$54,816                   |
| Johnson       | "Jeff A.  |                               |                                     |                   |               |          |               |                            |
| Johnson, .    | J., Co-PI; Biological Sciences; Wolverton, S., PI; Nagaoka,   | L., Co-PI; Geograph           | y                                   |                   |               |          |               |                            |
| GF30007       | The Use of "Ancient" DNA for Interpreting Predation and Mammalian Population Dynamics   | Research                      | National Science Foundation         | Feder             | al Co-PI      | \$679    | 40%           | \$272                      |
|               | Totals for  | Johnson,Jeff A.               |                                     |                   |               |          |               | \$272                      |
| Kennedy       | y,James H   |                               |                                     |                   |               |          |               |                            |
| GF40024       | Aquatic herpetofaunal and macroinvertebrate inventory of Camp<br>Maxey in North-East Texas  | Research                      | Texas Adjutant Generals Department  | Feder             | al PI         | \$12,000 | 100%          | \$12,000                   |
|               | Totals for  | Kennedy,James H               |                                     |                   |               |          |               | \$12,000                   |
| Longo,A       | ntonella  |                               |                                     |                   |               |          |               |                            |
| Longo, A.     | , Co-PI; Wang, X., PI; Biological Sciences  |                               |                                     |                   |               |          |               |                            |
| GF2695        | UGT Engineering for Detoxifying Anticancer Drug SN-38   | Research                      | National Institutes of Health       | Feder             | al Co-PI      | \$1,950  | 20%           | \$390                      |
|               | Totals for  | Longo,Antonella               |                                     |                   |               |          |               | \$390                      |
| Moforlir      | n,Brian Keith   |                               |                                     |                   |               |          |               |                            |

| Project<br>ID | Title  | Category           | Sponsor                            | _                | PI /<br>Co-PI | Expended<br>This Period | Recognition % | Recognition<br>Amount |
|---------------|--|--------------------|------------------------------------|------------------|---------------|-------------------------|---------------|-----------------------|
| Mcfarlin,     | B., PI; Vingren, J., Co-PI; Biological Sciences; Mcfarlin, B.,   | PI; Vingren, J., ( | Co-PI; Kinesiology, Health Promoti | on, & Recreatio  | on            |                         |               |                       |
| GP00012       | Treatment with AyuFlex(R): Potential to Modulate Inflammation and Reduce Muscle Recovery Time following Injury         | Research           | Natreon Inc.                       | Priva            | te PI         | \$24,161                | 6%            | \$1,450               |
| Mcfarlin,     | B., PI; Vingren, J., Co-PI; Biological Sciences; Mcfarlin, B.,   | PI; Bowman, E.,    | Co-PI; Vingren, J., Co-PI; Kinesio | logy, Health Pr  | omotion,      | & Recreation            |               |                       |
| GP00022       | Is Recovery from an Intensified Exercise Protocol Accelerated by Consumption of an IminoSugar Supplement?              | Research           | Gateway Health Alliances, Inc.     | Priva            | te PI         | \$11,172                | 5%            | \$559                 |
| Mcfarlin,     | B., PI; Vingren, J., Co-PI; Biological Sciences; Mcfarlin, B.,   | PI; Vingren, J., C | Co-PI; Kinesiology, Health Promoti | on, & Recreation | on            |                         |               |                       |
| GP20027       | Is Recovery from an Intensified Exercise Protocol Accelerated by Consumption of a Boswellia-Curcumin Supplement?       | Research           | Unibar Corporation                 | Priva            | te PI         | \$14,662                | 6%            | \$880                 |
| Mcfarlin,     | B., PI; Biological Sciences; Mcfarlin, B., PI; Kinesiology, He   | ealth Promotion, a | & Recreation                       |                  |               |                         |               |                       |
| GP20028       | Adaptogenic Health Impact of Longvida® and Pomella® in Healthy Subjects: Potential Synergies of Longvida® and Pomella® | Research           | Verdure Sciences                   | Priva            | te PI         | \$1,225                 | 10%           | \$122                 |
|               | Totals for   | Mcfarlin,Brian Ke  | eith                               |                  |               |                         |               | \$3,010               |
| McGarr        | y,Roisin Carrie  |                    |                                    |                  |               |                         |               |                       |
| McGarry,      | R., Co-PI; Ayre, B., PI; Biological Sciences   |                    |                                    |                  |               |                         |               |                       |
| GP20023       | Redesigning the cotton plant's architecture to improve yield and quality   | Research           | Cotton Incorporated                | Priva            | te Co-PI      | \$5,004                 | 50%           | \$2,502               |
|               | Totals for   | McGarry,Roisin C   | Carrie                             |                  |               |                         |               | \$2,502               |
| Mittler,l     | Ron  |                    |                                    |                  |               |                         |               |                       |
| Mittler, R.   | ., PI; Azad, R., Co-PI; Shulaev, V., Co-PI; Biological Science   | es; Azad, R., Co-P | I; Mathematics                     |                  |               |                         |               |                       |
| GF1681        | Ultrafast Omics Reveals Key Players in the Response of Plants to<br>Abiotic Stress                                     | Research           | National Science Foundation        | Feder            | al PI         | \$7,035                 | 42%           | \$2,955               |
| Mittler, R.   | ., Co-PI; Padilla, P., PI; Biological Sciences   |                    |                                    |                  |               |                         |               |                       |
| GF30004       | Regulation of Mitochondrial Functions by Iron and Ceramides in C. elegans  | Research           | National Science Foundation        | Feder            | al Co-PI      | \$21,254                | 40%           | \$8,502               |
| Mittler, R.   | ., PI; Azad, R., Co-PI; Biological Sciences; Azad, R., Co-PI;  | Mathematics        |                                    |                  |               |                         |               |                       |
| GF30010       | NSF/MCB-BSF: Integrating ROS, redox and cell metabolism across plant and animal cells                                  | Research           | National Science Foundation        | Feder            | al PI         | \$13,828                | 80%           | \$11,063              |
|               | Totals for   | Mittler,Ron        |                                    |                  |               |                         |               | \$22,519              |
| Padilla,I     | Pamela A   |                    |                                    |                  |               |                         |               |                       |
| Padilla, P    | P., Co-PI; Hughes, L., PI; Biological Sciences   |                    |                                    |                  |               |                         |               |                       |
| GF1673        | Fostering Outstanding Cohorts in Undergraduate Science II  | Instruction        | National Science Foundation        | Feder            | al Co-PI      | \$82,220                | 33.33%        | \$27,404              |
| Padilla, P    | P., Co-PI; Burggren, W., PI; Biological Sciences   |                    |                                    |                  |               |                         |               |                       |
| GF1736        | Epigenetic Inheritance of Physiological Phenotypes: Occurrence,<br>Mechanism and Inter- and Intra-Individual Variation | Research           | National Science Foundation        | Feder            | al Co-PI      | \$10,481                | 40%           | \$4,192               |

| Title  | Category  | C  | _  |   |  | Recognition %  | Recognition<br>Amount  |
|--|---|--|--|---|--|--|--|
| P., PI; Mittler, R., Co-PI; Biological Sciences  |   |  |  |   |  |  |  |
| Regulation of Mitochondrial Functions by Iron and Ceramides in C. elegans                          | Research  | National Science Foundation  | Feder  | al PI   | \$21,254   | 60%  | \$12,752   |
| Totals for   | Padilla,Pamela A  |  |  |   |  |  | \$44,348   |
| Aaron Patrick  |   |  |  |   |  |  |  |
| UV Modeling at Taylor Energy Site  | Research  | ABT Associates, Inc  | Feder  | al PI   | \$766  | 100%   | \$766  |
| A., Co-PI; Crossley II, D., PI; Burggren, W., Co-PI; Biologic                                      | al Sciences   |  |  |   |  |  |  |
| Relationships of Effects of Cardiac Outcomes in Fish to<br>Validation of Ecological Risk (RECOVER) | Research  | University of Miami - School of Medici   | ne Privat  | e Co-PI   | \$4,310  | 34%  | \$1,466  |
| A., PI; Burggren, W., Co-PI; Crossley II, D., Co-PI; Biologic                                      | al Sciences   |  |  |   |  |  |  |
| Relationships of Effects of Cardiac Outcomes in Fish to<br>Validation of Ecological Risk (RECOVER) | Research  | University of Miami - School of Medici   | ne Privat  | e PI  | \$5,686  | 34%  | \$1,933  |
| A., Co-PI; Burggren, W., PI; Crossley II, D., Co-PI; Biologic                                      | al Sciences   |  |  |   |  |  |  |
| Relationships of Effects of Cardiac Outcomes in Fish to<br>Validation of Ecological Risk (RECOVER) | Research  | University of Miami - School of Medici   | ne Privat  | e Co-PI   | \$7,382  | 33%  | \$2,436  |
| Totals for   | Roberts, Aaron Patr   | ick  |  |   |  |  | \$6,600  |
| oti  |   |  |  |   |  |  |  |
| Developing Resistance to Fusarium Head Blight in Wheat   | Research  | U.S. Department of Agriculture   | Feder  | al PI   | \$4,492  | 100%   | \$4,492  |
| Totals for   | Shah, Jyoti   |  |  |   |  |  | \$4,492  |
| ,Vladimir  |   |  |  |   |  |  |  |
| V., Co-PI; Mittler, R., PI; Azad, R., Co-PI; Biological Scienc                                     | es; Azad, R., Co-PI,  | Mathematics  |  |   |  |  |  |
| Ultrafast Omics Reveals Key Players in the Response of Plants to Abiotic Stress                    | Research  | National Science Foundation  | Feder  | al Co-PI  | \$7,035  | 29%  | \$2,040  |
| Totals for   | Shulaev,Vladimir  |  |  |   |  |  | \$2,040  |
| on,Ruthanne  |   |  |  |   |  |  |  |
| n, R., PI; Biological Sciences; Harrell, P., Co-PI; Teacher Ed                                     | lucation & Adminis  | tration  |  |   |  |  |  |
| TI Foundation Grant III for Teach North Texas  | Instruction   | Texas Instruments Foundation   | Privat   | e PI  | \$8,486  | 50%  | \$4,243  |
| The Dallas Environmental Education Initiative  | Instruction   | City of Dallas   | Privat   | e PI  | \$33,398   | 100%   | \$33,398   |
| Totals for   | Thompson, Ruthann   | e  |  |   |  |  | \$37,641   |
| IV,Guido Fridolin  |   |  |  |   |  |  |  |
| V, G., PI; Biological Sciences; Verbeck IV, G., PI; Chemistr                                       | y   |  |  |   |  |  |  |
| Earth based separation mapping for field portable mass   | Research  | INFICON Inc.   | Privat   | e PI  | \$1,384  | 30%  | \$415  |
|  | Regulation of Mitochondrial Functions by Iron and Ceramides in C. elegans  Totals for Aaron Patrick  UV Modeling at Taylor Energy Site  A., Co-PI; Crossley II, D., PI; Burggren, W., Co-PI; Biologice Relationships of Effects of Cardiac Outcomes in Fish to Validation of Ecological Risk (RECOVER)  A., PI; Burggren, W., Co-PI; Crossley II, D., Co-PI; Biologice Relationships of Effects of Cardiac Outcomes in Fish to Validation of Ecological Risk (RECOVER)  A., Co-PI; Burggren, W., PI; Crossley II, D., Co-PI; Biologice Relationships of Effects of Cardiac Outcomes in Fish to Validation of Ecological Risk (RECOVER)  Totals for Oti  Developing Resistance to Fusarium Head Blight in Wheat Totals for Ultrafast Omics Reveals Key Players in the Response of Plants to Abiotic Stress  Totals for On, Ruthanne  A., PI; Biological Sciences; Harrell, P., Co-PI; Teacher Edit TI Foundation Grant III for Teach North Texas  The Dallas Environmental Education Initiative  Totals for StV, Guido Fridolin  V, G., PI; Biological Sciences; Verbeck IV, G., PI; Chemistry | Regulation of Mitochondrial Functions by Iron and Ceramides in C. elegans  Totals for Padilla,Pamela A  Aaron Patrick  UV Modeling at Taylor Energy Site Research  A., Co-PI; Crossley II, D., PI; Burggren, W., Co-PI; Biological Sciences Relationships of Effects of Cardiac Outcomes in Fish to Research  A., PI; Burggren, W., Co-PI; Crossley II, D., Co-PI; Biological Sciences Relationships of Effects of Cardiac Outcomes in Fish to Research  A., Co-PI; Burggren, W., Co-PI; Crossley II, D., Co-PI; Biological Sciences Relationships of Effects of Cardiac Outcomes in Fish to Research  A., Co-PI; Burggren, W., PI; Crossley II, D., Co-PI; Biological Sciences Relationships of Effects of Cardiac Outcomes in Fish to Research  A., Co-PI; Burggren, W., PI; Crossley II, D., Co-PI; Biological Sciences Relationships of Effects of Cardiac Outcomes in Fish to Research  Validation of Ecological Risk (RECOVER)  Totals for Roberts, Aaron Patr  Oti  Developing Resistance to Fusarium Head Blight in Wheat Research  Totals for Shah, Jyoti  VIadimir  V., Co-PI; Mittler, R., PI; Azad, R., Co-PI; Biological Sciences; Azad, R., Co-PI, Ultrafast Omics Reveals Key Players in the Response of Plants to Research  Abiotic Stress  Totals for Shulaev, Vladimir  on, Ruthanne  n, R., PI; Biological Sciences; Harrell, P., Co-PI; Teacher Education & Adminis  TI Foundation Grant III for Teach North Texas Instruction  The Dallas Environmental Education Initiative Instruction  Totals for Thompson, Ruthanne  (IV, Guido Fridolin  V, G., PI; Biological Sciences; Verbeck IV, G., PI; Chemistry | Title Category Sponsor  P. Pl; Mittler, R., Co-Pl; Biological Sciences  Regulation of Mitochondrial Functions by Iron and Ceramides in Research National Science Foundation  C. elegans  Totals for Padilla, Pamela A  AAron Patrick  UV Modeling at Taylor Energy Site Research ABT Associates, Inc  A., Co-Pl; Crossley II, D., Pl; Burggren, W., Co-Pl; Biological Sciences  Relationships of Effects of Cardiac Outcomes in Fish to Research University of Miami - School of Medici Validation of Ecological Risk (RECOVER)  A., Pl; Burggren, W., Co-Pl; Crossley II, D., Co-Pl; Biological Sciences  Relationships of Effects of Cardiac Outcomes in Fish to Research University of Miami - School of Medici Validation of Ecological Risk (RECOVER)  A., Co-Pl; Burggren, W., Pl; Crossley II, D., Co-Pl; Biological Sciences  Relationships of Effects of Cardiac Outcomes in Fish to Research University of Miami - School of Medici Validation of Ecological Risk (RECOVER)  Totals for Roberts, Aaron Patrick  oti  Developing Resistance to Fusarium Head Blight in Wheat Research U.S. Department of Agriculture Totals for Shah, Jyoti  Vladimir  V., Co-Pl; Mittler, R., Pl; Azad, R., Co-Pl; Biological Sciences; Azad, R., Co-Pl; Mathematics  Ultrafast Omics Reveals Key Players in the Response of Plants to Research National Science Foundation Abiotic Stress  Totals for Shulaev, Vladimir  on, Ruthanne  To, R., Pl; Biological Sciences; Harrell, P., Co-Pl; Teacher Education & Administration  The Dallas Environmental Education Initiative Instruction City of Dallas  Totals for Thompson, Ruthanne  1. V., Guido Fridolin  V, G., Pl; Biological Sciences; Verbeck IV, G., Pl; Chemistry | Title Category Sponsor Source  2. P.F. Mittler, R., Co-PI; Biological Sciences Regulation of Mitochondrial Punctions by Iron and Ceramides in Research National Science Foundation Feder C. elegans  Totals for Pudilia, Pamela A  AAAron Patrick  UV Modeling at Taylor Energy Site Research ABT Associates, Inc Feder A., Co-PI; Crossley II, D., PI; Burggren, W., Co-PI; Biological Sciences Relationships of Effects of Cardiac Outcomes in Fish to Research University of Miami - School of Medicine Privat Validation of Ecological Risk (RECOVER) A., PI; Burggren, W., Co-PI; Biological Sciences Relationships of Effects of Cardiac Outcomes in Fish to Research University of Miami - School of Medicine Privat Validation of Ecological Risk (RECOVER) A., Co-PI; Burggren, W., PI; Crossley II, D., Co-PI; Biological Sciences Relationships of Effects of Cardiac Outcomes in Fish to Research University of Miami - School of Medicine Privat Validation of Ecological Risk (RECOVER) Totals for Roberts, Aaron Patrick  ott  Developing Resistance to Fusarium Head Blight in Wheat Research U.S. Department of Agriculture Feder Totals for Shuh, Jyoti Vladimir V, Co-PI; Mittler, R., PI; Azad, R., Co-PI; Biological Sciences: Azad, R., Co-PI; Mathematics Ultrafiast Omics Reveals Key Players in the Response of Plants to Research National Science Foundation Feder Abiotic Stress Totals for Shuhaev, Vladimir The Dallas Environmental Education Initiative Instruction Texas Instruments Foundation Privat Totals for Thompson, Ruthanne Totals for Thompson, Ruthanne Totals for Thompson, Ruthanne Totals Fridolin V, G., PI; Biological Sciences; Verbeck IV, G., PI; Chemistry | Private Privat | Title Category Sponsor Source O-Pt Philis Period  L. P.F. Mittler, R., Co-Pt. Biological Sciences Regulation of Mitochondrial Functions by Iron and Ceramides in Research National Science Foundation Federal Pt \$2.2.254  Totals for Paditla, Pamela A  Aaron Patrick  UV Modeling at Taylor Energy Site Research ABT Associates, Inc Federal Pt \$7.666  L. Co-Pt. Crossley II, D., Pt. Burggren, W., Co-Pt. Biological Sciences Relationships of Effects of Cardiac Outcomes in Fish to Research University of Miami - School of Medicine Private Co-Pt \$4.310  L. P.F. Burggren, W., Co-Pt. Crossley II, D., Co-Pt. Biological Sciences Relationships of Effects of Cardiac Outcomes in Fish to Research University of Miami - School of Medicine Private Pt \$5.686  Relationships of Effects of Cardiac Outcomes in Fish to Research University of Miami - School of Medicine Private Pt \$5.686  Relationships of Effects of Cardiac Outcomes in Fish to Research University of Miami - School of Medicine Private Pt \$5.686  Relationships of Effects of Cardiac Outcomes in Fish to Research University of Miami - School of Medicine Private Co-Pt \$7.382  Relationships of Effects of Cardiac Outcomes in Fish to Research University of Miami - School of Medicine Private Co-Pt \$7.382  Relationships of Effects of Cardiac Outcomes in Fish to Research University of Miami - School of Medicine Private Co-Pt \$7.382  Validation of Ecological Risk (RECVVER)  Totals for Roberts, Aaron Patrick  Ottoal Science Foundation Federal Pt \$4.492  Validation of Ecological Risk (RECVVER)  Validation of Ecological Risk (RECVVER)  National Science Foundation Federal Co-Pt \$7.382  Validation of Ecological Risk (RECVVER)  National Science Foundation Federal Co-Pt \$7.055  National Science Foundat | Title Category Sponsor Source Co-Pl This Period Table Per |

| Project<br>ID | Title   | Category                   | Sponsor                               | Funding<br>Source |          | Expended<br>This Period | Recognition % | Recognition<br>Amount |
|---------------|---|----------------------------|---------------------------------------|-------------------|----------|-------------------------|---------------|-----------------------|
|               | Totals for  | Verbeck IV,Guido F         | ridolin                               |                   |          |                         |               | \$415                 |
| Vingren       | "Jakob Langberg   |                            |                                       |                   |          |                         |               |                       |
| Vingren,      | J., Co-PI; Mcfarlin, B., PI; Biological Sciences; Mcfarlin, B.  | ., PI; Vingren, J., Co     | -PI; Kinesiology, Health Promotion,   | , & Recreation    | on       |                         |               |                       |
| GP00012       | Treatment with AyuFlex(R): Potential to Modulate Inflammation and Reduce Muscle Recovery Time following Injury                        | Research                   | Natreon Inc.                          | Priva             | te Co-PI | \$24,161                | 4%            | \$966                 |
| Vingren,      | I., Co-PI; Mcfarlin, B., PI; Biological Sciences; Mcfarlin, B.  | ., PI; Bowman, E., C       | o-PI; Vingren, J., Co-PI; Kinesiolog  | y, Health Pr      | omotion, | & Recreation            |               |                       |
| GP00022       | Is Recovery from an Intensified Exercise Protocol Accelerated by Consumption of an IminoSugar Supplement?                             | Research                   | Gateway Health Alliances, Inc.        | Priva             | te Co-PI | \$11,172                | 4%            | \$447                 |
| Vingren,      | J., Co-PI; Mcfarlin, B., PI; Biological Sciences; Mcfarlin, B.  | ., PI; Vingren, J., Co     | -PI; Kinesiology, Health Promotion,   | & Recreation      | on       |                         |               |                       |
| GP20027       | Is Recovery from an Intensified Exercise Protocol Accelerated by Consumption of a Boswellia-Curcumin Supplement?                      | Research                   | Unibar Corporation                    | Priva             | te Co-PI | \$14,662                | 4%            | \$586                 |
|               | Totals for  | Vingren,Jakob Lang         | gberg                                 |                   |          |                         |               | \$2,000               |
| Wang,X        | iaoqiang  |                            |                                       |                   |          |                         |               |                       |
| Wang, X.,     | PI; Longo, A., Co-PI; Biological Sciences   |                            |                                       |                   |          |                         |               |                       |
| GF2695        | UGT Engineering for Detoxifying Anticancer Drug SN-38   | Research                   | National Institutes of Health         | Feder             | al PI    | \$1,950                 | 80%           | \$1,560               |
|               | Totals for  | Wang,Xiaoqiang             |                                       |                   |          |                         |               | \$1,560               |
| Wright,       | Amanda Joy  |                            |                                       |                   |          |                         |               |                       |
| GF1691        | CAREER: Genetic Approach to Identifying Proteins Necessary for Division Plane Orientation During Plant Development                    | Research                   | National Science Foundation           | Feder             | al PI    | \$9,161                 | 100%          | \$9,161               |
|               | Totals for  | Wright,Amanda Joy          | 7                                     |                   |          |                         |               | \$9,161               |
|               | Totals for  | <b>Biological Sciences</b> |                                       |                   |          |                         |               | \$331,989             |
| Chemist       | ry  |                            |                                       |                   |          |                         |               |                       |
| Bagus,P       | aul S   |                            |                                       |                   |          |                         |               |                       |
| GF2706        | Molecular Mechanisms of Interfacial Reactivity in Near Surface<br>and Extreme Geochemical Environments - Core Level<br>Spectroscoples | Research                   | Pacific Northwest National Laboratory | y Feder           | al PI    | \$7,082                 | 100%          | \$7,082               |
|               | Totals for  | Bagus,Paul S               |                                       |                   |          |                         |               | \$7,082               |
| Buongio       | rno Nardelli,Marco  |                            |                                       |                   |          |                         |               |                       |
| Buongior      | no Nardelli, M., PI; Chemistry; Buongiorno Nardelli, M., PI   | ; Physics                  |                                       |                   |          |                         |               |                       |
| GF4193        | Topological Decompositions and Spectral Sampling Algorithms for Element Substitution in Critical Technologies                         | Research                   | Duke University                       | Feder             | al PI    | \$14,279                | 20%           | \$2,856               |
| Buongior      | no Nardelli, M., PI; Chemistry; Buongiorno Nardelli, M., PI   | ; Physics                  |                                       |                   |          |                         |               |                       |
| GF4264        | Mineralogy Genome Project: Extending the AFLOWLIB.org<br>Repository to Geophysical and Environmental Materials                        | Research                   | Duke University                       | Feder             | al PI    | \$2,933                 | 20%           | \$587                 |
|               | Totals for  | Buongiorno Nardell         | i,Marco                               |                   |          |                         |               | \$3,442               |
| Office        | f Country and Country at Administration Hairmanita of   |                            |                                       |                   |          |                         |               | 72018: Page 32 of     |

| Project<br>ID | Title  | Category            | Sponsor                            | Funding<br>Source |          | Expended<br>This Period | Recognition % | Recognition<br>Amount |
|---------------|--|---------------------|------------------------------------|-------------------|----------|-------------------------|---------------|-----------------------|
| Chyan,C       | Dliver M R   |                     |                                    |                   |          |                         |               |                       |
| GP00023       | Protection of Aluminum Oxide and Cobalt Microstructures in<br>Ammonium Fluoride Solution               | Research            | JSR Micro, Inc.                    | Privat            | te PI    | \$3,055                 | 100%          | \$3,055               |
| GP6503        | Mechanistic Investigation and Prevention of Al Bond Pad<br>Corrosion in Cu Wire Bonded Device Assembly | Research            | Semiconductor Research Corporation | Privat            | te PI    | \$1,382                 | 100%          | \$1,382               |
|               | Totals for   | Chyan,Oliver M R    |                                    |                   |          |                         |               | \$4,436               |
| Cisneros      | s,Gerardo Andres   |                     |                                    |                   |          |                         |               |                       |
| GF00002       | Theory and Simulation of DNA Repair Enzymes; Mechanism, Structure and Function                         | Research            | National Institutes of Health      | Feder             | al PI    | \$11,055                | 100%          | \$11,055              |
| GF50001       | The Mechanism and Modulation of 5-Methylcytosine Oxidation by TET Family Enzymes                       | Research            | University of Pennsylvania         | Feder             | al PI    | \$3,380                 | 100%          | \$3,380               |
|               | Totals for   | Cisneros,Gerardo Ai | ndres                              |                   |          |                         |               | \$14,435              |
| Cundari       | ,Thomas Richard  |                     |                                    |                   |          |                         |               |                       |
| G73184        | Modeling of Catalytic Processes for More Efficient Utilization of<br>Hydrocarbon Resources             | Research            | U.S. Department of Energy          | Feder             | al PI    | \$4,327                 | 100%          | \$4,327               |
| GF4159        | Center for Enabling New Technologies Through Catalysis (CENTC)   | Research            | University of Washington           | Feder             | al PI    | \$2,913                 | 100%          | \$2,913               |
| GP00013       | Structure-property Relationships of Catalysts  | Research            | Exxon Mobil                        | Privat            | te PI    | \$1,690                 | 100%          | \$1,690               |
| GP00024       | Structure-property Relationships of Catalysts-Task 3   | Research            | Exxon Mobil                        | Privat            | te PI    | \$1,690                 | 100%          | \$1,690               |
|               | Totals for   | Cundari,Thomas Ric  | chard                              |                   |          |                         |               | \$10,620              |
| D'souza,      | Francis  |                     |                                    |                   |          |                         |               |                       |
| D'souza, l    | F., PI; Chemistry; D'souza, F., PI; Materials Science & Engi   | ineering            |                                    |                   |          |                         |               |                       |
| GF1692        | Light Harvesting Nanocarbon-Sensitizer Supramolecules  | Research            | National Science Foundation        | Feder             | al PI    | \$31                    | 80%           | \$25                  |
| D'souza, I    | F., Co-PI; Wang, H., PI; Chemistry; D'souza, F., Co-PI; Ma   |                     |                                    |                   |          |                         |               |                       |
| GF70013       | Extended Porphyrins: Functionalization and Applications in DSSC  |                     | U.S. Department of Energy          | Feder             | al Co-PI | \$3,638                 | 32%           | \$1,164               |
| Kalbar 1      |  | D'souza,Francis     |                                    |                   |          |                         |               | \$1,189               |
| Kelber,J      | енгу А   |                     |                                    |                   |          |                         |               |                       |

| Project<br>ID | Title  | Category             | Sponsor                           | Funding<br>Source |          | Expended<br>This Period | Recognition % | Recognition<br>Amount |
|---------------|--|----------------------|-----------------------------------|-------------------|----------|-------------------------|---------------|-----------------------|
| GF2686        | Doped Boron Carbide Polymers: Fundamental Studies of Novel<br>Class Materials for Enhanced Radiation Detection                                     | Research             | Defense Threat Reduction Agency   | Federa            | al PI    | \$31,006                | 100%          | \$31,006              |
|               | Totals for   | Kelber,Jeffry A      |                                   |                   |          |                         |               | \$31,006              |
| Marpu,S       | Sreekar Babu   |                      |                                   |                   |          |                         |               |                       |
| Marpu, S.     | , PI; Omary, M., Co-PI; Chemistry  |                      |                                   |                   |          |                         |               |                       |
| GF40032       | Advanced Gas Sensing Technology for Space Suits  | Research             | Intelligent Optical Systems, Inc. | Federa            | al PI    | \$7,462                 | 50%           | \$3,731               |
|               | Totals for   | Marpu,Sreekar Babu   | 1                                 |                   |          |                         |               | \$3,731               |
| Omary,I       | Mohammad A   |                      |                                   |                   |          |                         |               |                       |
| GF1704        | Macromolecular, Supramolecular and/or Nanomolecular<br>Photophysics and Photochemistry of d10 and d8 Complexes                                     | Research             | National Science Foundation       | Federa            | al PI    | \$172                   | 100%          | \$172                 |
| Omary, M      | I., Co-PI; Marpu, S., PI; Chemistry  |                      |                                   |                   |          |                         |               |                       |
| GF40032       | Advanced Gas Sensing Technology for Space Suits  | Research             | Intelligent Optical Systems, Inc. | Federa            | al Co-PI | \$7,462                 | 50%           | \$3,731               |
| GP7631        | Luminescent Metal-Metal Bonded Exiplexes of Closed Shell<br>Coordination Compounds   | Research             | Robert A. Welch Foundation        | Privat            | e PI     | \$1,554                 | 100%          | \$1,554               |
|               | Totals for   | Omary,Mohammad       | A                                 |                   |          |                         |               | \$5,457               |
| Richmor       | nd,Michael George  |                      |                                   |                   |          |                         |               |                       |
| GP7633        | Synthesis and Reactivity Studies of Metal Clusters   | Research             | Robert A. Welch Foundation        | Privat            | e PI     | \$240                   | 100%          | \$240                 |
|               | Totals for   | Richmond, Michael G  | George                            |                   |          |                         |               | \$240                 |
| Slaughte      | er III,Legrande Mancel   |                      |                                   |                   |          |                         |               |                       |
| GF1680        | Harnessing Nonclassical Metal-Arene Interactions to Achieve<br>Enantioselective Catalysis  | Research             | National Science Foundation       | Federa            | al PI    | \$73                    | 100%          | \$73                  |
| GF1721        | REU Site: Undergraduate Research Opportunities at the Interface<br>of Computational and Experimental Chemistry at the University<br>of North Texas | Research             | National Science Foundation       | Federa            | al PI    | \$211                   | 100%          | \$211                 |
|               |  | Slaughter III,Legran | de Mancel                         |                   |          |                         |               | \$284                 |
| Verbeck       | IV,Guido Fridolin  | _                    |                                   |                   |          |                         |               |                       |
|               | V, G., PI; Chemistry; Verbeck IV, G., PI; Biological Science   | S                    |                                   |                   |          |                         |               |                       |
| GP00019       | Earth based separation mapping for field portable mass spectrometry  | Research             | INFICON Inc.                      | Privat            | e PI     | \$1,384                 | 70%           | \$969                 |
|               | Totals for   | Verbeck IV,Guido Fi  | ridolin                           |                   |          |                         |               | \$969                 |
| Wang,H        | ong  |                      |                                   |                   |          |                         |               |                       |

| Research  | Project<br>ID | Title  | Category           | Sponsor                                 | Funding<br>Source |           | Expended<br>This Period | Recognition %    | Recognition<br>Amount |
|---|---------------|--|--------------------|---|-------------------|-----------|-------------------------|------------------|-----------------------|
| GF10013   Stended Porphyrins: Functionalization and Applications in DSSC   Research   Value   | GF30013       | ·  | Research           | National Science Foundation             | Fede              | al PI     | -\$2,420                | 100%             | (\$2,420)             |
| Totals for   Wang, Hong   | Wang, H.,     | PI; D'souza, F., Co-PI; Chemistry; D'souza, F., Co-PI; Ma  | terials Science &  | Engineering                             |                   |           |                         |                  |                       |
| National Science   Scien  | GF70013       | Extended Porphyrins: Functionalization and Applications in DSSC  | C Research         | U.S. Department of Energy               | Fede              | al PI     | \$3,638                 | 60%              | \$2,183               |
| Star   Contension   Contensi   |               | Totals for   | Wang,Hong          |   |                   |           |                         |                  | (\$237)               |
| GF1659 Collaborative Research: Multifunctional Nanocomposities with Reversible Switch and Controlled Release Surfaces:  Xia, Z, Pl: Chemistry; Xia, Z, Pl: Materials Science & Engineering  GF1684 Nanomanufacturing of High-Performance Graphene-Based Catalytic Electrodes for Renewable Energy Production  Xia, Z, Co-Pt: Chemistry; Mishra, R., Pl; Banerjee, R., Co-Pl: Multherijee, S., Co-Pl: Reidy III, R., Co-Pl; Scharf, T., Co-Pl; Xia, Z, Co-Pl; Young, M., Co-Pl: Materials Science & Engineering  GF1081 Temple University—Of The Commonwealth System of Higher Edward on Activities  Xia, Z, Pl: Chemistry; Xia, Z, Pl; Materials Science & Engineering  GF4147 Nanofabrication of Tunable 3D Nanotube Architectures  Research  Totals for Sia, Zhenhai  Totals for Applied Sciences  O'Neill II., M., Co-Pl; Institute for Applied Sciences; Mikler, A., Pl; Substitute of Applied Sciences Substitutes in Bio-Emergency Response  Research  Totals for Sia, Zhenhai  Totals for Applied Sciences Substitution in Bio-Emergency Response  Research  National Institutes of Health  Federal Pl  S10,351 20/9  \$10,351 2 | Xia,Zhe       | nhai   |                    |   |                   |           |                         |                  |                       |
| Reversible Switch and Controlled Release Surfaces  Xia, Z., Pl: Chemistry; Xia, Z., Pl: Materials Science & Engineering  GF1684 Nanomanufacturing of High-Performance Graphene-Based Research National Science Foundation Federal Pl \$1,125 20%  Xia, Z., Co-Pj: Chemistry; Mishra, R., Pj: Banerjee, R., Co-Pj: Mukherjee, S., Co-Pj: Reidy III, R., Co-Pj: Scharf, T., Co-Pj: Xia, Z., Co-Pj: Young, M., Co-Pj: Materials Science & Engineering  Technical Proposal for Advanced Ballistics Technology Materials Pederal Co-Pj: Scharf, T., Co-Pj: Scharf, T., Co-Pj: Xia, Z., Co-Pj: Young, M., Co-Pj: Materials Science & Engineering Activities  Totals for Sia, Alexander Pederal Co-Pj: Scharf, T., Co-Pj: Scharf, T., Co-Pj: Xia, Z., Co-Pj: Young, M., Co-Pj: Materials Science & Engineering  Totals for Sia, Alexander Pederal Co-Pj: Scharf, T., Co-Pj: Scharf, T., Co-Pj: Xia, Z., Co-Pj: Young, M., Co-Pj: Materials Science & Engineering  Totals for Sia, Alexander Pederal Co-Pj: Scharf, T., Co-Pj: Scharf, T., Co-Pj: Xia, Z., Co-Pj: Young, M., Co-Pj: Materials Science & Engineering  Totals for Sia, Alexander Pederal Co-Pj: Scharf, T., Co-Pj: Scharf, T., Co-Pj: Scharf, T., Co-Pj: Materials Science & Engineering  Totals for Sia, Alexander Pederal Co-Pj: Scharf, T., Co-Pj: Geography  O'Neill II, Martin Joseph  Totals for O'Neill II, Martin Joseph  Totals for O'Neill II, Martin Joseph  Totals for O'Neill II, Martin Joseph  Totals for O'Neill II, Martin Joseph  Totals for O'Neill II, Martin Joseph  Acad, R., Co-Pj: Mathematics; Mittler, R., Pj: Azad, R., Co-Pj: Shulaev, V., Co-Pj: Biological Sciences  Mathematics  Azad, R., Co-Pj: Mathematics; Mittler, R., Pj: Azad, R., Co-Pj: Co-Pj: Co-Pj: Biological Sciences  Azad, R., Co-Pj: Mathematics; Dixon, R., Pj: Azad, R., Co-Pj: Co-Pj: Biological Sciences Boyd, R., Co-Pj: Teacher Education & Administration; D'Souza, N., Co-Pj: Mathematics; Dixon, R., Pj: Azad, R., Co-Pj: Co-Pj: Biological Sciences  | Xia, Z., P.   | I; Chemistry; Xia, Z., PI; Materials Science & Engineering   |                    |   |                   |           |                         |                  |                       |
| GF1684 Nanomanufacturing of High-Performance Graphene-Based Catalytic Electrodes for Renewable Energy Production  Xia, Z., Co-PI; Chemistry; Mishra, R., PI; Banerjee, R., Co-PI; Mukherjee, S., Co-PI; Reidy III, R., Co-PI; Scharf, T., Co-PI; Xia, Z., Co-PI; Young, M., Co-PI; Materials Science & En GF4018 Technical Proposal for Advanced Ballistics Technology Materials  Research Temple University of The Commonwealth System of Higher   | GF1659        |  | Research           | National Science Foundation             | Feder             | al PI     | \$2,109                 | 20%              | \$422                 |
| Xia, Z., Co-PI; Chemistry; Mishra, R., PI; Banerjee, R., Co-PI; Mukherjee, S., Co-PI; Reidy III, R., Co-PI; Scharf, T., Co-PI; Xia, Z., Co-PI; Young, M., Co-PI; Materials Science & En GF4018  Technical Proposal for Advanced Ballistics Technology Materials Research Commonwealth System of Higher Education  Xia, Z., PI; Chemistry; Xia, Z., PI; Materials Science & Engineering  GF4147 Nanofabrication of Tunable 3D Nanotube Architectures  Research Case Western Reserve University Federal PI \$10,351 20%  Totals for Chemistry  Institute for Applied Sciences  O'Neill II, M., Co-PI; Institute for Applied Sciences; Mikler, A., PI; Ramisetry-Mikler, S., Co-PI; Computer Science & Engineering; Tiwari, C., Co-PI; Geography  GF00007 Minimizing Access Disparities in Bio-Emergency Response Research National Institutes of Health Federal Co-PI \$3,532 25%  Mathematics  Azad, R., Co-PI: Mathematics; Mittler, R., PI; Azad, R., Co-PI: Stulaev, V., Co-PI; Biological Sciences  GF1681 Ultrafast Omics Reveals Key Players in the Response of Plants to Abiotic Stress  Azad, R., Co-PI: Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mecha   | Xia, Z., P.   | I; Chemistry; Xia, Z., PI; Materials Science & Engineering   |                    |   |                   |           |                         |                  |                       |
| GF40018 Technical Proposal for Advanced Ballistics Technology Materials Development, Characterization and Computational Modeling Seventh of Higher Education  Xia, Z., Pl; Chemistry; Xia, Z., Pl; Materials Science & Engineering  GF4147 Nanofabrication of Tunable 3D Nanotube Architectures  Research Case Western Reserve University Federal PI \$10,351 20%  Totals for Totals for Applied Sciences  Chemistry  Institute for Applied Sciences  C'Neill II, Martin Joseph  O'Neill II, Martin Joseph  O'Neill II, M., Co-Pl; Institute for Applied Sciences; Mikler, A., Pl; Ramisetty-Mikler, S., Co-Pl; Computer Science & Engineering; Tiwari, C., Co-Pl; Geography  GF00007 Minimizing Access Disparities in Bio-Emergency Response Research National Institutes of Health Federal Co-Pl \$3,532 25%  Planning  Totals for O'Neill II, Martin Joseph  Totals for O'Neill II, Martin Joseph  Totals for O'Neill II, Martin Joseph  Totals for Institute for Applied Sciences  Mathematics  Azad, R., Co-Pl; Mathematics; Mittler, R., Pl; Azad, R., Co-Pl; Shulaev, V., Co-Pl; Biological Sciences  GF1681 Ultrafast Omics Reveals Key Players in the Response of Plans to Abiotic Stress  Azad, R., Co-Pl; Mathematics; Dixon, R., Pl; Azad, R., Co-Pl; Chen, F., Co-Pl; Biological Sciences; Boyd, R., Co-Pl; Teacher Education & Administration; D'Souza, N., Co-Pl; Mechanists and Co-Pl; Mathematics; Dixon, R., Pl; Azad, R., Co-Pl; Chen, F., Co-Pl; Biological Sciences; Boyd, R., Co-Pl; Teacher Education & Administration; D'Souza, N., Co-Pl; Mechanists and Co-Pl; Mathematics; Dixon, R., Pl; Azad, R., Co-Pl; Chen, F., Co-Pl; Biological Sciences; Boyd, R., Co-Pl; Teacher Education & Administration; D'Souza, N., Co-Pl; Mechanistration; D'Souza, N.,   | GF1684        |  | Research           | National Science Foundation             | Fede              | al PI     | \$1,125                 | 20%              | \$225                 |
| Development, Characterization and Computational Modeling Activities   Education   Education   | Xia, Z., C    | o-PI; Chemistry; Mishra, R., PI; Banerjee, R., Co-PI; Mukha  | erjee, S., Co-PI;  | Reidy III, R., Co-PI; Scharf, T., Co-PI | I; Xia, Z., Co-I  | PI; Young | , М., Со-РІ; Ма         | aterials Science | & En                  |
| GF4147 Nanofabrication of Tunable 3D Nanotube Architectures Research Case Western Reserve University Federal PI \$10,351 20%  Totals for Stia_Zhenhai  Totals for Chemistry  Institute for Applied Sciences  O'Neill II, Martin Joseph  O'Neill II, M., Co-PI; Institute for Applied Sciences; Mikler, A., PI; Ramisetty-Mikler, S., Co-PI; Computer Science & Engineering; Tiwari, C., Co-PI; Geography  GF00007 Minimizing Access Disparities in Bio-Emergency Response Research National Institutes of Health Federal Co-PI \$3,532 25%  Totals for O'Neill II,Martin Joseph  Totals for O'Neill II,Martin Joseph  Totals for Institute for Applied Sciences  Mathematics  Azad, Rajeev Kumar  Azad, R., Co-PI; Mathematics; Mittler, R., PI; Azad, R., Co-PI; Shulaev, V., Co-PI; Biological Sciences  GF1681 Ultrafast Omics Reveals Key Players in the Response of Plants to Research National Science Foundation Federal Co-PI \$7,035 11.6%  Azad, R., Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaev, Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaev, Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaev, Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaev, Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaev, Co-PI; Mathematics; Dixon, PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaev, Co-PI; Mathematics; Dixon, PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Scienc   | GF40018       | Development, Characterization and Computational Modeling   | Research           | Commonwealth System of Higher           | Feder             | al Co-PI  | \$156,909               | 2%               | \$3,138               |
| GF4147 Nanofabrication of Tunable 3D Nanotube Architectures Research Case Western Reserve University Federal PI \$10,351 20%  Totals for Stia_Zhenhai  Totals for Chemistry  Institute for Applied Sciences  O'Neill II, Martin Joseph  O'Neill II, M., Co-PI; Institute for Applied Sciences; Mikler, A., PI; Ramisetty-Mikler, S., Co-PI; Computer Science & Engineering; Tiwari, C., Co-PI; Geography  GF00007 Minimizing Access Disparities in Bio-Emergency Response Research National Institutes of Health Federal Co-PI \$3,532 25%  Totals for O'Neill II,Martin Joseph  Totals for Institute for Applied Sciences  Mathematics  Azad, Rajeev Kumar  Azad, R., Co-PI; Mathematics; Mittler, R., PI; Azad, R., Co-PI; Shulaev, V., Co-PI; Biological Sciences  GF1681 Ultrafast Omics Reveals Key Players in the Response of Plants to Research National Science Foundation Federal Co-PI \$7,035 11.6%  Azad, R., Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaev, Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaev, Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaev, Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaev, Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaev, Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaev, Co-PI; Mathematics; Dixon, PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Educ   | Xia. Z P.     | I: Chemistry: Xia, Z., PI: Materials Science & Engineering   |                    |   |                   |           |                         |                  |                       |
| Institute for Applied Sciences  O'Neill II, Martin Joseph  O'Neill II, M., Co-Pl; Institute for Applied Sciences; Mikler, A., PI; Ramisetty-Mikler, S., Co-PI; Computer Science & Engineering; Tiwari, C., Co-PI; Geography  GF00007 Minimizing Access Disparities in Bio-Emergency Response Research National Institutes of Health Federal Co-PI \$3,532 25% Planning  Totals for O'Neill II,Martin Joseph  Totals for Institute for Applied Sciences  Mathematics  Azad,Rajeev Kumar  Azad, R., Co-PI; Mathematics; Mittler, R., PI; Azad, R., Co-PI; Shulaev, V., Co-PI; Biological Sciences  GF1681 Ultrafast Omics Reveals Key Players in the Response of Plants to Research National Science Foundation Federal Co-PI \$7,035 11.6% Abiotic Stress  Azad, R., Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaeth Co-PI Souza, N., Co-PI; Mechalaeth Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaeth Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaeth Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaeth Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaeth Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaeth Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechalaeth Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Che  |               |  | Research           | Case Western Reserve University         | Fede              | al PI     | \$10,351                | 20%              | \$2,070               |
| O'Neill II, Martin Joseph  O'Neill II, M., Co-PI; Institute for Applied Sciences; Mikler, A., PI; Ramisetty-Mikler, S., Co-PI; Computer Science & Engineering; Tiwari, C., Co-PI; Geography  GF00007 Minimizing Access Disparities in Bio-Emergency Response Research National Institutes of Health Federal Co-PI \$3,532 25%  Totals for O'Neill II, Martin Joseph  Totals for Institute for Applied Sciences  Mathematics  Azad, Rajeev Kumar  Azad, R., Co-PI; Mathematics; Mittler, R., PI; Azad, R., Co-PI; Shulaev, V., Co-PI; Biological Sciences  GF1681 Ultrafast Omics Reveals Key Players in the Response of Plants to Research National Science Foundation Federal Co-PI \$7,035 11.6%  Azad, R., Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechanical Co-PI & Co-PI & Co-PI; Mechanical Co-PI & Co-PI; Mechanical Co-PI & Co-PI; Mechanical Co-PI & Co-PI; Mechanical Co-PI & Co-PI; Mechanical Co-PI & Co-PI; Mechanical Co-PI & Co-PI; Mechanical Co-PI & Co  |               | Totals for   | Xia,Zhenhai        |   |                   |           |                         |                  | \$5,855               |
| O'Neill II, Martin Joseph  O'Neill II, Martin Joseph  O'Neill II, Martin Joseph  O'Neill II, Martin Joseph  GF00007 Minimizing Access Disparities in Bio-Emergency Response Research National Institutes of Health Federal Co-PI \$3,532 25% Planning  Totals for O'Neill II, Martin Joseph  Totals for Institute for Applied Sciences  Mathematics  Mathematics  Azad, Ra, Co-PI; Mathematics; Mittler, Ra, PI; Azad, Ra, Co-PI; Shulaev, V., Co-PI; Biological Sciences  GF1681 Ultrafast Omics Reveals Key Players in the Response of Plants to Research National Sciences; Boyd, Ra, Co-PI; Teacher Education & Administration; D'Souza, Na, Co-PI; Mechanistration; D'Souza, Na, Co-PI; Mechanist   |               | Totals for   | Chemistry          |   |                   |           |                         |                  | \$88,509              |
| O'Neill II, Martin Joseph  O'Neill II, Martin Joseph  O'Neill II, Martin Joseph  O'Neill II, Martin Joseph  GF00007 Minimizing Access Disparities in Bio-Emergency Response Research National Institutes of Health Federal Co-PI \$3,532 25% Planning  Totals for O'Neill II, Martin Joseph  Totals for Institute for Applied Sciences  Mathematics  Mathematics  Azad, Rajeev Kumar  Azad, R., Co-PI; Mathematics; Mittler, R., PI; Azad, R., Co-PI; Shulaev, V., Co-PI; Biological Sciences  GF1681 Ultrafast Omics Reveals Key Players in the Response of Plants to Research National Science Foundation Federal Co-PI \$7,035 11.6% Abiotic Stress  Azad, R., Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechanical Sciences (Administration) (Co-PI)   | Institute     | for Applied Sciences   |                    |   |                   |           |                         |                  |                       |
| Mathematics  Azad,Rajeev Kumar  Azad, R., Co-PI; Mathematics; Mittler, R., PI; Azad, R., Co-PI; Shulaev, V., Co-PI; Biological Sciences  GF1681 Ultrafast Omics Reveals Key Players in the Response of Plants to Research National Science Foundation Federal Co-PI \$7,035 11.6% Abiotic Stress  Azad, R., Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechanical Sciences and  | O'Neill II,   | M., Co-PI; Institute for Applied Sciences; Mikler, A., PI; Ro<br>Minimizing Access Disparities in Bio-Emergency Response | •                  |   | _                 |           |                         | 25%              | \$883                 |
| Mathematics  Azad,Rajeev Kumar  Azad, R., Co-PI; Mathematics; Mittler, R., PI; Azad, R., Co-PI; Shulaev, V., Co-PI; Biological Sciences  GF1681 Ultrafast Omics Reveals Key Players in the Response of Plants to Research National Science Foundation Federal Co-PI \$7,035 11.6% Abiotic Stress  Azad, R., Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechanics (Co-PI) (Co-PI   |               | Totals for   | O'Neill II,Martin  | ı Joseph                                |                   |           |                         |                  | \$883                 |
| Azad, Rajeev Kumar  Azad, R., Co-PI; Mathematics; Mittler, R., PI; Azad, R., Co-PI; Shulaev, V., Co-PI; Biological Sciences  GF1681 Ultrafast Omics Reveals Key Players in the Response of Plants to Research National Science Foundation Federal Co-PI \$7,035 11.6% Abiotic Stress  Azad, R., Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechanics (Co-PI) (C   |               | Totals for   | Institute for App  | lied Sciences                           |                   |           |                         |                  | \$883                 |
| Azad, R., Co-PI; Mathematics; Mittler, R., PI; Azad, R., Co-PI; Shulaev, V., Co-PI; Biological Sciences  GF1681 Ultrafast Omics Reveals Key Players in the Response of Plants to Research National Science Foundation Federal Co-PI \$7,035 11.6% Abiotic Stress  Azad, R., Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechanics (Co-PI) (Co-PI   | Mathem        | atics  |                    |   |                   |           |                         |                  |                       |
| Azad, R., Co-PI; Mathematics; Mittler, R., PI; Azad, R., Co-PI; Shulaev, V., Co-PI; Biological Sciences  GF1681 Ultrafast Omics Reveals Key Players in the Response of Plants to Research National Science Foundation Federal Co-PI \$7,035 11.6% Abiotic Stress  Azad, R., Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechanics (Co-PI) (Co-PI   | Azad Ra       | nieev Kumar  |                    |   |                   |           |                         |                  |                       |
| GF1681 Ultrafast Omics Reveals Key Players in the Response of Plants to Research National Science Foundation Federal Co-PI \$7,035 11.6% Abiotic Stress  Azad, R., Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI; Chen, F., Co-PI; Biological Sciences; Boyd, R., Co-PI; Teacher Education & Administration; D'Souza, N., Co-PI; Mechanics and Co-PI a   | -             |  | ev. V., Co-PI: Bio | plogical Sciences                       |                   |           |                         |                  |                       |
|   |               | Ultrafast Omics Reveals Key Players in the Response of Plants to   |                    | _                                       | Fede              | al Co-PI  | \$7,035                 | 11.6%            | \$816                 |
|   | Azad, R       | Co-PI; Mathematics; Dixon, R., PI; Azad, R., Co-PI: Chen.  | F., Co-PI; Biolog  | gical Sciences; Boyd, R., Co-PI; Teacl  | her Education     | & Admin   | istration; D'Sou        | za, N., Co-PI: M | 1echa                 |
|   |               |  | _                  | •                                       |                   |           |                         |                  | \$606                 |

| Project<br>ID | Title  | Category              | Sponsor                     | Funding PI /<br>Source Co-PI | Expended<br>This Period | Recognition % | Recognition<br>Amount |
|---------------|--|-----------------------|-----------------------------|------------------------------|-------------------------|---------------|-----------------------|
| Azad, R.,     | Co-PI; Mathematics; Mittler, R., PI; Azad, R., Co-PI; Biol   | ogical Sciences       |                             |                              |                         |               |                       |
| GF30010       | NSF/MCB-BSF: Integrating ROS, redox and cell metabolism across plant and animal cells  | Research              | National Science Foundation | Federal Co-P                 | \$13,828                | 8%            | \$1,106               |
|               | Totals for   | Azad,Rajeev Kumai     | ·                           |                              |                         |               | \$2,529               |
| Conley,       | Charles H  |                       |                             |                              |                         |               |                       |
| GP20037       | Contact Schwarzians, Extremal Projectors, and Infinitesimal Characters   | Research              | Simons Foundation           | Private PI                   | \$407                   | 100%          | \$407                 |
|               | Totals for   | Conley,Charles H      |                             |                              |                         |               | \$407                 |
| Wang,X        | uexia  |                       |                             |                              |                         |               |                       |
| GP20018       | Novel Methods to Detect Gene-Environment Interactions in<br>Treatment-related Brain Tumors among Childhood Cancer<br>Survivors | Research              | Matthew Larson Foundation   | Private PI                   | \$3,351                 | 100%          | \$3,351               |
|               | Totals for   | Wang,Xuexia           |                             |                              |                         |               | \$3,351               |
|               | Totals for   | Mathematics           |                             |                              |                         |               | \$6,286               |
| Physics       |  |                       |                             |                              |                         |               |                       |
| Aouadi,       | Samir M  |                       |                             |                              |                         |               |                       |
| Aouadi, S     | ., Co-PI; Physics; Voevodin, A., PI; Aouadi, S., Co-PI; Sch  | arf, T., Co-PI; Mater | ials Science & Engineering  |                              |                         |               |                       |
| GF70012       | Task FY16.6.0 - Adaptive Tribological Surfaces Prepared by Additive Cold Spray Processes                                       | Research              | US Army Research Laboratory | Federal Co-P                 | \$270                   | 6.6%          | \$18                  |
|               | Totals for   | Aouadi,Samir M        |                             |                              |                         |               | \$18                  |
| Buongio       | rno Nardelli,Marco   |                       |                             |                              |                         |               |                       |
| Buongiori     | no Nardelli, M., PI; Physics; Buongiorno Nardelli, M., PI;   | Chemistry             |                             |                              |                         |               |                       |
| GF4193        | Topological Decompositions and Spectral Sampling Algorithms for Element Substitution in Critical Technologies                  | Research              | Duke University             | Federal PI                   | \$14,279                | 80%           | \$11,424              |
| GF4225        | Reciprocating Materials Design with the AFLOWLIB.org<br>Repository   | Research              | Duke University             | Federal PI                   | \$687                   | 100%          | \$687                 |
| Buongiori     | no Nardelli, M., PI; Physics; Buongiorno Nardelli, M., PI;   | Chemistry             |                             |                              |                         |               |                       |
| GF4264        | Mineralogy Genome Project: Extending the AFLOWLIB.org<br>Repository to Geophysical and Environmental Materials                 | Research              | Duke University             | Federal PI                   | \$2,933                 | 80%           | \$2,346               |
|               | Totals for   | Buongiorno Nardell    | i,Marco                     |                              |                         |               | \$14,457              |
| Grigolin      | i,Paolo  |                       |                             |                              |                         |               |                       |
| GF2696        | Behavioral Constraints on Game Theory  | Research              | U.S. Army                   | Federal PI                   | \$10,092                | 100%          | \$10,092              |
| Office        | f Country and Country at Administration Hairmain of  | New Terror            |                             |                              |                         |               | 72018: Page 36 of A   |

| Project<br>ID | Title   | Category              | Sponsor                          | Funding<br>Source |          | Expended<br>This Period | Recognition % | Recognition<br>Amount |
|---------------|---|-----------------------|----------------------------------|-------------------|----------|-------------------------|---------------|-----------------------|
| GP7634        | Ergodicity Breaking in Chemical, Biological and Cooperative<br>Systems  | Research              | Robert A. Welch Foundation       | Priva             | e PI     | \$4,261                 | 100%          | \$4,261               |
|               | Totals for  | Grigolini,Paolo       |                                  |                   |          |                         |               | \$14,352              |
| Lin,Yua       | nkun  |                       |                                  |                   |          |                         |               |                       |
| Lin, Y., P.   | I; Physics; Lin, Y., PI; Electrical Engineering   |                       |                                  |                   |          |                         |               |                       |
| GF30032       | Collaborative Research: Three Dimensional Laser Holographic Nanopatterning Using Metamaterial Phase Masks                   | Research              | National Science Foundation      | Feder             | al PI    | \$3,384                 | 75%           | \$2,538               |
|               | Totals for  | Lin,Yuankun           |                                  |                   |          |                         |               | \$2,538               |
| Littler,C     | Christopher Leslie  |                       |                                  |                   |          |                         |               |                       |
| GF40037       | DRS project; Export Controlled at Award - Title removed   | Research              | DRS Network & Imagining Systems, | LLC Feder         | al PI    | \$3,173                 | 100%          | \$3,173               |
| Littler, C.   | , Co-PI; Syllaios, A., PI; Physics  |                       |                                  |                   |          |                         |               |                       |
| GF40052       | Export Controlled, title removed  | Research              | DRS Network & Imagining Systems, | LLC Feder         | al Co-PI | \$17,919                | 50%           | \$8,960               |
|               | Totals for  | Littler,Christopher L | eslie                            |                   |          |                         |               | \$12,133              |
| Ordonez       | z,Carlos A  |                       |                                  |                   |          |                         |               |                       |
| GF1739        | Collaborative Research: Experimental and Theoretical Study of<br>the Plasma Physics of Antihydrogen Generation and Trapping | Research              | National Science Foundation      | Feder             | al PI    | \$6,769                 | 100%          | \$6,769               |
|               | Totals for  | Ordonez,Carlos A      |                                  |                   |          |                         |               | \$6,769               |
| Roberts       | James Andrew  |                       |                                  |                   |          |                         |               |                       |
| GF40057       | Texas Regional Collaborative  | Instruction           | University of Texas at Austin    | Feder             | al PI    | \$406                   | 100%          | \$406                 |
|               | Totals for  | Roberts, James Andre  | ew .                             |                   |          |                         |               | \$406                 |
| Schultz,      | David Robert  |                       |                                  |                   |          |                         |               |                       |
| GF4260        | Atomic Fine-Structure Diagnostic and Cooling Transitions for Far<br>In-fared and Sub-millimeter Observations                | Research              | Auburn University                | Feder             | al PI    | \$3,373                 | 100%          | \$3,373               |
|               | Totals for  | Schultz,David Robert  | •                                |                   |          |                         |               | \$3,373               |
| Shemme        |   | Schulz,David Robert   | •                                |                   |          |                         |               | ψ3,373                |
| GP20012       | LSST AGN Science Collaboration Roadmap Development  | Public Service        | LSST Corporation                 | Priva             | e PI     | \$1,500                 | 100%          | \$1,500               |
|               | Meeting Totals for  | Chamman Ohad          |                                  |                   |          |                         |               | ¢1 500                |
| Chinan T      |   | Shemmer,Ohad          |                                  |                   |          |                         |               | \$1,500               |
| Shiner,I      | Javiu C   |                       |                                  |                   |          |                         |               |                       |

| Project<br>ID | Title  |            | Category               | Sponsor                              | Funding<br>Source |       | Expended<br>This Period | Recognition % | Recognition<br>Amount |
|---------------|--|------------|------------------------|--------------------------------------|-------------------|-------|-------------------------|---------------|-----------------------|
| GF1694        | Precision Laser Studies of Basic Atoms and Nuclei  |            | Research               | National Science Foundation          | Feder             | al PI | \$10,107                | 100%          | \$10,107              |
|               |  | Totals for | Shiner,David C         |                                      |                   |       |                         |               | \$10,107              |
| Syllaios,     | Athanasios John  |            |                        |                                      |                   |       |                         |               |                       |
| Syllaios, A   | A., PI; Littler, C., Co-PI; Physics  |            |                        |                                      |                   |       |                         |               |                       |
| GF40052       | Export Controlled, title removed   |            | Research               | DRS Network & Imagining Systems, I   | LLC Feder         | al PI | \$17,919                | 50%           | \$8,960               |
|               |  |            | Syllaios, Athanasios J | ohn                                  |                   |       |                         |               | \$8,960               |
|               |  | Totals for | Physics                |                                      |                   |       |                         |               | \$74,612              |
|               |  | Totals for | College of Science     |                                      |                   |       |                         |               | \$505,609             |
| College       | of Visual Arts & Design  |            |                        |                                      |                   |       |                         |               |                       |
| Design        |  |            |                        |                                      |                   |       |                         |               |                       |
| West,Ru       | ıth  |            |                        |                                      |                   |       |                         |               |                       |
| GF1658        | CGV: Medium: Collaborative Research: Developing<br>Models for Navigation, Marking, and Inspection in t<br>3D Image Segmentation" |            | Research               | National Science Foundation          | Feder             | al PI | \$3,294                 | 100%          | \$3,294               |
|               |  | Totals for | West,Ruth              |                                      |                   |       |                         |               | \$3,294               |
|               |  | Totals for | Design                 |                                      |                   |       |                         |               | \$3,294               |
|               |  | Totals for | College of Visual Arts | s & Design                           |                   |       |                         |               | \$3,294               |
| Maybor        | n School of Journalism   |            |                        |                                      |                   |       |                         |               |                       |
| Mayborn       | n School of Journalism   |            |                        |                                      |                   |       |                         |               |                       |
| Bland,D       | orothy Mae   |            |                        |                                      |                   |       |                         |               |                       |
| GP40006       | Denton Live Magazine Production Course 2017  |            | Public Service         | Denton Convention and Visitors Burea | au Priva          | te PI | \$2,617                 | 100%          | \$2,617               |
|               |  | Totals for | Bland,Dorothy Mae      |                                      |                   |       |                         |               | \$2,617               |
|               |  | Totals for | Mayborn School of Jo   | ournalism                            |                   |       |                         |               | \$2,617               |
|               |  | Totals for | Mayborn School of Jo   | ournalism                            |                   |       |                         |               | \$2,617               |
| Honors        | College  |            |                        |                                      |                   |       |                         |               |                       |
| Honors (      | College - Dean's Office  |            |                        |                                      |                   |       |                         |               |                       |
| Moen,W        | /illiam Eugene   |            |                        |                                      |                   |       |                         |               |                       |
| GF0613        | University of North Texas McNair Program   |            | Instruction            | U.S. Department of Education         | Feder             | al PI | \$28,264                | 100%          | \$28,264              |
|               |  |            |                        |                                      |                   |       |                         |               |                       |
| 01 0010       |  | Totals for | Moen,William Eugen     | e                                    |                   |       |                         |               | \$28,264              |

| e President<br>e President<br>enton                 | Totals for  | Honors College  |  |  |   |  |  | \$28,264   |
|---|---|---|--|--|---|--|--|--|
| President   |   |   |  |  |   |  |  | Ψ20,204  |
| enton   |   |   |  |  |   |  |  |  |
|   |   |   |  |  |   |  |  |  |
| ecutive Director CPUPC Position                     |   | Public Service  | Texas Council of Public University<br>Presidents and Chancellors   | Priva  | e PI  | \$12,242   | 100%   | \$12,24  |
|   | Totals for  | Roe,Lesa Benton   |  |  |   |  |  | \$12,24  |
|   | Totals for  | Office of the Presiden  | t  |  |   |  |  | \$12,24  |
|   | Totals for  | Office of the Presiden  | t  |  |   |  |  | \$12,242   |
| airs - General                                      |   |   |  |  |   |  |  |  |
| airs - General                                      |   |   |  |  |   |  |  |  |
| s,Maureen   |   |   |  |  |   |  |  |  |
| rvivor Advocate Initiative                          |   | Public Service  | Office of Attorney General, Texas  | State  | PI  | \$1,676  | 100%   | \$1,67   |
|   | Totals for  | McGuinness,Maureen  | 1  |  |   |  |  | \$1,67   |
| elissa Clair  |   |   |  |  |   |  |  |  |
| niversity of North Texas Student Support Services T | ΓRIO  | Public Service  | U.S. Department of Education   | Feder  | al PI   | \$19,729   | 100%   | \$19,72  |
|   | Totals for  | McGuire,Melissa Clai  | ir   |  |   |  |  | \$19,72  |
|   | Totals for  | Student Affairs - Gen   | eral   |  |   |  |  | \$21,40  |
|   | Totals for  | Student Affairs - Gen   | eral   |  |   |  |  | \$21,405   |
| gagement  |   |   |  |  |   |  |  |  |
| n Rawlings  |   |   |  |  |   |  |  |  |
| NT HEB Talent Search                                |   | Public Service  | U.S. Department of Education   | Feder  | al PI   | \$17,590   | 100%   | \$17,59  |
|   | Totals for  | Dean,Karen Rawlings   | 3  |  |   |  |  | \$17,59  |
| everly Ann  |   |   |  |  |   |  |  |  |
| NT Talent Search                                    |   | Public Service  | U.S. Department of Education   | Feder  | al PI   | \$30,706   | 100%   | \$30,70  |
|   | Totals for  | Maloney,Beverly Ann   | ı  |  |   |  |  | \$30,70  |
| Lynn  |   |   |  |  |   |  |  |  |
|   | s,Maureen  rvivor Advocate Initiative  elissa Clair  tiversity of North Texas Student Support Services Texas Student Support Services Texas Rawlings  NT HEB Talent Search  Verly Ann  NT Talent Search | airs - General  airs - General  s,Maureen  rvivor Advocate Initiative  Totals for elissa Clair  aiversity of North Texas Student Support Services TRIO Totals for Totals for Totals for Totals for Totals for Totals for Totals for Totals for Totals for Totals for Totals for Totals for Totals for Totals for Totals for Totals for Totals for Totals for Totals for | Totals for Office of the President airs - General tirs - General s,Maureen  Public Service Totals for McGuinness,Maureer McGuinness,Maureer McGuinness,Maureer McGuinness,Maureer McGuinness,Maureer McGuinness,Maureer McGuire,Melissa Clair Totals for McGuire,Melissa Clair Totals for Student Affairs - General McGuire,Melissa Clair Totals for McGuire,Melissa Clair Totals for McGuire,Melissa Clair McGuire,Melissa Clair Totals for McGuire,Melissa Clair Totals for McGuire,Melissa Clair McGuire,Mel | Totals for Office of the President  airs - General  airs - General  s,Maureen  Totals for Public Service Office of Attorney General, Texas  Totals for McGuinness,Maureen  elissa Clair  Totals for McGuire,Melissa Clair  Totals for Student Affairs - General  Totals for Student Affairs - General  Totals for Dotals for Dean,Karen Rawlings  verly Ann  Totals for Public Service U.S. Department of Education  Public Service U.S. Department of Education  Public Service U.S. Department of Education  Public Service U.S. Department of Education  Public Service U.S. Department of Education  Totals for Dean,Karen Rawlings  Verly Ann | Totals for Office of the President  Airs - General  Airs - General  Airs - General  Frivor Advocate Initiative  Public Service  Public Service  Public Service  Office of Attorney General, Texas  State  Totals for McGuinness, Maureen  Federa  Totals for McGuinness, Maureen  Totals for McGuiness, Maureen  Totals for McGuire, Melissa Clair  Totals for Student Affairs - General  Totals for Student Affairs - General  Totals for Student Affairs - General  Totals for Dean, Karen Rawlings  Verly Ann  Totals for Maloney, Beverly Ann | Totals for Office of the President  Airs - General  Airs - Gen | Airs - General  tirs - General  S,Maureen  Public Service Office of Attorney General, Texas State PI \$1,676  Totals for McGuinness,Maureen  Public Service U.S. Department of Education Federal PI \$19,729  Totals for Student Affairs - General  Totals for Student Affairs - General  Public Service U.S. Department of Education Federal PI \$17,590  Totals for Dean,Karen Rawlings  Verly Ann  Totals for Dush Gervice U.S. Department of Education Federal PI \$17,590  Totals for Dean,Karen Rawlings  VI Talent Search Public Service U.S. Department of Education Federal PI \$17,590  Totals for Dean,Karen Rawlings | Airs - General Airs - |

| Project<br>ID | Title  |               | Category            | Sponsor                                 | Funding<br>Source |          | Expended<br>This Period | Recognition %     | Recognition<br>Amount |
|---------------|--|---------------|---------------------|---|-------------------|----------|-------------------------|-------------------|-----------------------|
| GF0611        | University of North Texas Upward Bound   |               | Instruction         | U.S. Department of Education            | Federa            | al PI    | \$3,194                 | 100%              | \$3,194               |
| GF20002       | Upward Bound Program   |               | Public Service      | U.S. Department of Education            | Federa            | al PI    | \$19,056                | 100%              | \$19,056              |
|               |  | Totals for    | Nelson,Tori Lynn    |   |                   |          |                         |                   | \$22,250              |
| Strong,A      | nne  |               |                     |   |                   |          |                         |                   |                       |
| GF0615        | University of North Texas Upward Bound Math and Program  | Science       | Instruction         | U.S. Department of Education            | Federa            | al PI    | \$8,451                 | 100%              | \$8,451               |
|               |  | Totals for    | Strong,Anne         |   |                   |          |                         |                   | \$8,451               |
|               |  | Totals for    | UNT TRIO            |   |                   |          |                         |                   | \$78,997              |
|               |  | Totals for    | Student Engagement  | t                                       |                   |          |                         |                   | \$78,997              |
|               | e Graduate School<br>e Graduate School - Dean's Office   |               |                     |   |                   |          |                         |                   |                       |
| Oppong,       | Joseph R   |               |                     |   |                   |          |                         |                   |                       |
| GF1723        | NSF Graduate Research Fellowship-Natalie Parde   |               | Research            | National Science Foundation             | Federa            | al PI    | \$7,156                 | 100%              | \$7,156               |
| GF1725        | NSF Graduate Research Fellowship-Kate Lester   |               | Research            | National Science Foundation             | Federa            | al PI    | \$9,233                 | 100%              | \$9,233               |
| GF30026       | Graduate Research Fellowship Program   |               | Research            | National Science Foundation             | Federa            | al PI    | \$5,553                 | 100%              | \$5,553               |
|               |  | Totals for    | Oppong,Joseph R     |   |                   |          |                         |                   | \$21,942              |
|               |  | Totals for    | Toulouse Graduate   | School - Dean's Office                  |                   |          |                         |                   | \$21,942              |
|               |  | Totals for    | Toulouse Graduate S | School                                  |                   |          |                         |                   | \$21,942              |
|               | ty Library   |               |                     |   |                   |          |                         |                   |                       |
| Universit     | y Library - General  |               |                     |   |                   |          |                         |                   |                       |
| Gieringe      | r,Morgan Davis   |               |                     |   |                   |          |                         |                   |                       |
| GP20029       | Historic Preservation of The Black Academy of Arts   | & Letters     | Public Service      | Dallas Foundation                       | Privat            | e PI     | \$877                   | 100%              | \$877                 |
|               |  | Totals for    | Gieringer,Morgan D  | avis                                    |                   |          |                         |                   | \$877                 |
| Halbert,      | Martin Douglas   |               |                     |   |                   |          |                         |                   |                       |
| Halbert, M    | 1., OTHER; University Library - General; Chan  | dler, Y., PI; | Information Science | ?                                       |                   |          |                         |                   |                       |
| GF2694        | Library Education for the US-Affiliated Pacific: A P<br>Strengthen the Digital Future of the Pacific (LEAP I |               | Instruction         | Institute of Museum and Library Service | ces Federa        | al Co-PI | \$29,203                | 25%               | \$7,301               |
| Office of     | f Grants and Contracts Administration, Uni   | versity of    | North Texas         |   |                   |          | Expenditu               | res, September FY | 2018: Page 40 of 4    |

| Project<br>ID | Title   |             | Category              | Sponsor                            | Funding<br>Source |            | Expended<br>This Period | Recognition % | Recognition<br>Amount |
|---------------|---|-------------|-----------------------|------------------------------------|-------------------|------------|-------------------------|---------------|-----------------------|
|               |   | Totals for  | Halbert,Martin Doug   | glas                               |                   |            |                         |               | \$7,301               |
| Hawkin        | s,Kevin Scott                                       |             |                       |                                    |                   |            |                         |               |                       |
| GF2705        | Broadening Access to Books on Texas and Oklahoma    | a           | Public Service        | National Endowment for the Humanit | ties Fede         | eral PI    | \$773                   | 3 100%        | \$773                 |
| 012,00        | Droughing recess to Books on 19 ms and chambin      | Totals for  |                       |                                    | 100               |            | Ψ//-                    | 10070         | <b>\$773</b>          |
| Phillips,     | Mark Edward   |             | ,                     |                                    |                   |            |                         |               |                       |
| GF70014       | Texas Digital Newspaper Project, Phase Four         |             | Public Service        | National Endowment for the Humanit | ties Fede         | eral PI    | \$6,988                 | 3 100%        | \$6,988               |
|               |   | Totals for  | Phillips,Mark Edwar   | rd                                 |                   |            |                         |               | \$6,988               |
|               |   | Totals for  | University Library -  | General                            |                   |            |                         |               | \$15,939              |
|               |   | Totals for  | University Library    |                                    |                   |            |                         |               | \$15,939              |
|               | ovost Academic Affairs<br>tional Affairs - General  |             |                       |                                    |                   |            |                         |               |                       |
| -             | Kathrena Louise                                     |             |                       |                                    |                   |            |                         |               |                       |
| Jordan, K     | K., Co-PI; Shenberger, A., PI; International Affair | rs - Genera | l                     |                                    |                   |            |                         |               |                       |
| GF40014       | Eagles Abroad: A Flight Path for Expanding Study A  |             |                       | Partners of the Americas           | Fede              | eral Co-PI | \$1,877                 | 50%           | \$939                 |
|               |   | Totals for  | Jordan,Kathrena Lo    | uise                               |                   |            |                         |               | \$939                 |
| Shenber       | rger,Amy Gwen                                       |             |                       |                                    |                   |            |                         |               |                       |
| Shenberg      | er, A., PI; Jordan, K., Co-PI; International Affair | rs - Genera | l                     |                                    |                   |            |                         |               |                       |
| GF40014       | Eagles Abroad: A Flight Path for Expanding Study A  | broad Acces | s Public Service      | Partners of the Americas           | Fede              | eral PI    | \$1,877                 | 50%           | \$939                 |
|               |   | Totals for  | Shenberger,Amy Gw     | en                                 |                   |            |                         |               | \$939                 |
|               |   | Totals for  | International Affairs | - General                          |                   |            |                         |               | \$1,877               |
|               |   | Totals for  | Vice Provost Academ   | ic Affairs                         |                   |            |                         |               | \$1,877               |
|               |   | Totals for  | UNT                   |                                    |                   |            |                         |               | \$2,005,720           |