## Monthly Proposals Report for October 2017 Office of Grants and Contracts, University of North Texas

| Proposals Total by College                       | October 2016 | October 2017 | <b>YTD FY2017</b> | <b>YTD FY2018</b> |
|--|--------------|--------------|-------------------|-------------------|
|  |              |              |                   |                   |
| College of Arts and Sciences                     | \$15,880,131 | \$0          | \$19,813,827      | \$0               |
| College of Business                              | \$953,878    | \$72,596     | \$953,878         | \$771,441         |
| College of Education                             | \$476,314    | \$387,454    | \$1,058,853       | \$1,009,977       |
| College of Engineering                           | \$5,950,174  | \$9,570,414  | \$9,977,787       | \$14,763,289      |
| College of Health & Public Service (prev. PACS)  | \$535,496    | \$70,525     | \$896,925         | \$394,449         |
| College of Information                           | \$10,000     | \$78,396     | \$674,995         | \$1,735,714       |
| College of Liberal Arts & Social Sciences        | \$0          | \$9,858,749  | \$0               | \$12,187,812      |
| College of Merchandising Hospitality and Tourism | \$185,950    | \$68,792     | \$512,598         | \$68,792          |
| College of Music                                 | \$0          | \$0          | \$0               | \$0               |
| College of Science                               | \$0          | \$6,089,915  | \$0               | \$13,436,823      |
| College of Visual Arts and Design                | \$0          | \$0          | \$0               | \$0               |
| Mayborn School of Journalism                     | \$351,795    | \$93,938     | \$351,795         | \$93,938          |
| Other <sup>1</sup>                               | \$0          | \$432,073    | \$179,571         | \$579,524         |
| Grand Total:                                     | \$24,343,736 | \$26,722,851 | \$34,420,228      | \$45,041,758      |
|  |              |              |                   |                   |
| Proposals Total by Category                      |              |              |                   |                   |
| Instruction                                      | \$1,566,875  | \$1,623,389  | \$1,806,871       | \$1,623,389       |
| Public Service                                   | \$643,293    | \$323,404    | \$709,562         | \$445,854         |
| Research (Applied, Basic, Development)           | \$22,133,568 | \$24,766,059 | \$31,903,794      | \$42,962,037      |
| * ** *   |              |              |                   |                   |
| Other <sup>2</sup>                               | \$0          | \$10,000     | \$0               | \$10,478          |
| Grand Total:                                     | \$24,343,736 | \$26,722,851 | \$34,420,228      | \$45,041,758      |
| Proposals Total by Source of Funding             |              |              |                   |                   |
| Troposals Total by Bource of Funding             |              |              |                   |                   |
| Federal  | \$18,375,497 | \$25,109,909 | \$27,506,829      | \$42,631,252      |
| Private  | \$4,365,472  | \$1,409,882  | \$5,130,635       | \$2,181,967       |
| State  | \$1,602,767  | \$203,060    | \$1,782,764       | \$228,539         |
| Grand Total:                                     | \$24,343,736 | \$26,722,851 | \$34,420,228      | \$45,041,758      |
|  |              |              |                   |                   |

## **Notes:**

- 1 Other includes UNT Libraries, Office of the Provost and Vice President of Academic Affairs, Enrollment Management, Dean of Students, Director Risk Management, Honors College, and Outreach & Community Involvement
- 2 Other includes Career, Conference, Equipment, Fellowship, Infrastructure/Facilities, Student Support, Travel, and Training

## Special Note.

In detailed proposal data, PI is the Cayuse SP named Lead Principal Investigator and Co-PI is any Cayuse SP named Principal Investigator. Recognition in the detailed proposal data is distributed from the Allocation of Credit as entered in Cayuse SP.

| Prop                        | osals, October F   | Y2018              |   |                   |               |            |                   |              |               |                       |             |
|-----------------------------|--|--------------------|---|-------------------|---------------|------------|-------------------|--------------|---------------|-----------------------|-------------|
| File<br>Number              | Title  | Category           | Sponsor   | Sponsor<br>Type   | PI /<br>Co-PI |            | Duration in Years | FA<br>Rate % | Recognition % | Distributio<br>Amount | n<br>Status |
| UNT                         |  |                    |   |                   |               |            |                   |              |               |                       |             |
| College o                   | f Business   |                    |   |                   |               |            |                   |              |               |                       |             |
| Managen                     | nent   |                    |   |                   |               |            |                   |              |               |                       |             |
| Kidwell,                    | Virginie   |                    |   |                   |               |            |                   |              |               |                       |             |
| Kidwell, V                  | ., Co-PI; Management; Li, X., PI; Meh  | ta, G., Co-PI; Na  | muduri, K. , Co-PI; Electri                                       | ical Engineering; | Lin, L. , Co  | -PI; Leari | ing Technolo      | ogies        |               |                       |             |
| 18-0041<br>Proposal:<br>New | IGE: Educating Engineering Doctoral<br>Students to Become Tomorrow's<br>Entrepreneurs, Innovators, and<br>Technology Leaders                           | Research - Basic   | National Science Foundation<br>NSF                                | n - Federal       | Co-PI         | 6/1/2018   | 2.91              | 48.50%       | 15%           | \$72,596              | Pending     |
|                             |  | Totals for         | Kidwell, Virginie   |                   |               |            |                   |              |               | \$72,596              |             |
|                             |  | Totals for         | Management  |                   |               |            |                   |              |               | \$72,596              |             |
|                             |  | Totals for         | College of Business   |                   |               |            |                   |              |               | \$72,596              |             |
|                             | f Education<br>gy, Health Promotion, & Recreation  | n                  |   |                   |               |            |                   |              |               |                       |             |
| Gu, Xian                    | gli  |                    |   |                   |               |            |                   |              |               |                       |             |
| Gu, X. , PI                 | ; Keller, M., Co-PI; Zhang, T., Co-PI;   | Kinesiology, Heal  | lth Promotion, & Recreatio  | n                 |               |            |                   |              |               |                       |             |
| 18-0115<br>Proposal:<br>New | Developing "Healthy Campuses" through<br>University-School Partnerships: The<br>Comprehensive School Physical Activity<br>Program (CSPAP) Intervention | Research - Basic   | Zhejiang Institute of<br>Mechanical and Electrical<br>Engineering | Foreign           | PI            | 12/15/201  | 7 2               | 20.00%       | 50%           | \$27,025              | Pending     |
|                             |  | Totals for         | Gu, Xiangli   |                   |               |            |                   |              |               | \$27,025              |             |
| Keller, M                   | I  |                    |   |                   |               |            |                   |              |               |                       |             |
| Keller, M.                  | , PI; Keller, M. , Co-PI; Kinesiology, H   | ealth Promotion, c | & Recreation  |                   |               |            |                   |              |               |                       |             |
| 17-0599<br>Proposal:<br>New | Ventanilla de Educacion  | Public Service     | Parents Alliance, Incorporate                                     | ed Not for Profit | PI            | 8/1/2017   | 0.91              | 0.00%        | 100%          | \$65,172              | Pending     |
| Keller, M.                  | , Co-PI; Keller, M. , PI; Kinesiology, H   | ealth Promotion, a | & Recreation  |                   |               |            |                   |              |               |                       |             |
| 17-0599                     | Ventanilla de Educacion  | Public Service     | Parents Alliance, Incorporate                                     | ed Not for Profit | Co-PI         | 8/1/2017   | 0.91              | 0.00%        | 100%          | \$65,172              | Pending     |

Proposal: New

| File<br>Number                       | Title  | Category              | Sponsor   | Sponsor<br>Type | PI /<br>Co-PI |            | Duration in Years | FA<br>Rate % | Recognition % | Distributio<br>Amount | n<br>Status |
|--------------------------------------|--|-----------------------|---|-----------------|---------------|------------|-------------------|--------------|---------------|-----------------------|-------------|
| 18-0069<br>Proposal:<br>Supplement   | North Texas Pathway Project/TXRAN  | Training              | Texas Higher Education<br>Coordinating Board - THECB              | State of TX     | PI            | 8/10/2017  | 2                 | 0.00%        | 100%          | \$10,000              | Awarded     |
| 18-0083<br>Proposal:<br>New          | Work Study Mentorship Program  | Public Service        | Texas Higher Education<br>Coordinating Board - THECB              | State of TX     | PI            | 10/1/2017  | 0.83              | 0.00%        | 100%          | \$193,060             | Awarded     |
| Keller, M.,                          | Co-PI; Gu, X., PI; Zhang, T., Co-PI;   | Kinesiology, Heal     | th Promotion, & Recreation  |                 |               |            |                   |              |               |                       |             |
| 18-0115<br>Proposal:<br>New          | Developing "Healthy Campuses" through<br>University-School Partnerships: The<br>Comprehensive School Physical Activity<br>Program (CSPAP) Intervention | Research - Basic      | Zhejiang Institute of<br>Mechanical and Electrical<br>Engineering | Foreign         | Co-PI         | 12/15/2017 | 7 2               | 20.00%       | 30%           | \$16,215              | Pending     |
|                                      |  | Totals for            | Keller, M   |                 |               |            |                   |              |               | \$349,619             |             |
| Zhang, Ta                            | ao   |                       |   |                 |               |            |                   |              |               |                       |             |
| Zhang, T.,                           | ${\it Co-PI; Gu, X. \ , PI; Keller, M. \ , Co-PI;}$  | Kinesiology, Heal     | th Promotion, & Recreation  |                 |               |            |                   |              |               |                       |             |
| 18-0115<br>Proposal:<br>New          | Developing "Healthy Campuses" through<br>University-School Partnerships: The<br>Comprehensive School Physical Activity<br>Program (CSPAP) Intervention | Research - Basic      | Zhejiang Institute of<br>Mechanical and Electrical<br>Engineering | Foreign         | Co-PI         | 12/15/2017 | 7 2               | 20.00%       | 20%           | \$10,810              | Pending     |
|                                      |  | Totals for            | Zhang, Tao  |                 |               |            |                   |              |               | \$10,810              |             |
|                                      |  | Totals for            | Kinesiology, Health Pro   | motion, & Recre | eation        |            |                   |              |               | \$387,454             |             |
|                                      |  | Totals for            | College of Education  |                 |               |            |                   |              |               | \$387,454             |             |
| College of                           | <sup>f</sup> Engineering   |                       |   |                 |               |            |                   |              |               |                       |             |
|                                      | al Engineering   |                       |   |                 |               |            |                   |              |               |                       |             |
| Yang, Yo                             | ng   |                       |   |                 |               |            |                   |              |               |                       |             |
|                                      |  |                       |   |                 |               |            |                   |              |               |                       |             |
| 17-0579<br>Proposal:<br>Transfer (PI | Biomimetic Alveolar Interstitium Model<br>for Investigation of Nanomaterials-<br>induced Fibrogenesis  | Research -<br>Applied | National Institutes of Health -<br>NIH                            | Federal         | PI            | 10/11/2017 | 7 1.83            | 48.50%       | 100%          | \$280,767             | Pending     |
| 17-0580<br>Proposal:<br>Transfer (PI | UNS: Nanotopographical Memory<br>Modulates Stem Cell Fate  | Research -<br>Applied | National Science Foundation<br>NSF                                | - Federal       | PI            | 9/1/2017   | 0.75              | 48.50%       | 100%          | \$245,104             | Pending     |
|                                      |  |                       |   |                 |               |            |                   |              |               |                       |             |

| File<br>Number                       | Title  | Category              | Sponsor                              | Sponsor<br>Type      | PI /<br>Co-PI |            | Duration in Years | FA<br>Rate % | Recognition %  | Distributio<br>Amount | n<br>Status |
|--------------------------------------|--|-----------------------|--------------------------------------|----------------------|---------------|------------|-------------------|--------------|----------------|-----------------------|-------------|
|                                      |  | Totals for            | Yang, Yong                           |                      |               |            |                   |              |                | \$525,871             |             |
| Zhu, Don                             | nghui  |                       |                                      |                      |               |            |                   |              |                |                       |             |
| Zhu, D., P                           | PI; Biomedical Engineering; Young, M.,   | Co-PI; Materials      | Science & Engineering                |                      |               |            |                   |              |                |                       |             |
| 17-0685<br>Proposal:<br>New          | Toxicity and benefit of novel Zn alloys with nanomaterial coatings for bone regeneration | Research -<br>Applied | U.S. Department of Defense DOD       | Federal              | PI            | 6/1/2018   | 2.91              | 48.50%       | 95%            | \$1,554,077           | Pending     |
|                                      |  | Totals for            | Zhu, Donghui                         |                      |               |            |                   |              |                | \$1,554,077           |             |
|                                      |  | Totals for            | Biomedical Engineering               |                      |               |            |                   |              |                | \$2,079,949           |             |
| Computer                             | r Science & Engineering  |                       |                                      |                      |               |            |                   |              |                |                       |             |
| Keathly,                             | David  |                       |                                      |                      |               |            |                   |              |                |                       |             |
| 17-0559<br>Proposal:                 | National Convergence Technology Center   | Research -<br>Applied | Collin College                       | Federal Flow<br>Thru | PI            | 7/1/2017   | 4.91              | 26.00%       | 100%           | \$78,201              | Pending     |
| New                                  |  | T . 1 . 6             | W 41 B 11                            |                      |               |            |                   |              |                | <b>##0.201</b>        |             |
| 3.5.11                               |  | Totals for            | Keathly, David                       |                      |               |            |                   |              |                | \$78,201              |             |
| Mikler, A                            | <b>Armın</b><br>, PI; Ramisetty-Mikler, S. , Co-PI; Com <sub>l</sub>                     | uter Science & Fr     | naineerina: Tiwari C Co-             | PI: Geography:       | O'Noill M     | Co-PI: (   | D'Naill M (       | Co-PI: Adv   | anced Environs | nontal                |             |
|                                      | nstitute (AERI)  | nier science & Li     | igineering, Tiwari, C., Co-          | 11, Geography,       | O Iveili, m.  | , 00-11, 0 | , iveiii, m. , c  | 20-1 1, 71av | incea Environi | пении                 |             |
| 18-0039<br>Proposal:<br>Resubmission | Minimizing Access Disparities in Bio-<br>Emergency Response Planning                     | Research - Basic      | National Institutes of Health<br>NIH | Federal              | PI            | 4/1/2018   | 3.91              | 48.50%       | 55%            | \$792,134             | Pending     |
|                                      |  | Totals for            | Mikler, Armin                        |                      |               |            |                   |              |                | \$792,134             |             |
| Mohanty                              | , Saraju   |                       |                                      |                      |               |            |                   |              |                |                       |             |
| Mohanty, S                           | S. , PI; Computer Science & Engineering  | g; Kougianos, E.,     | Co-PI; Engineering Techno            | logy                 |               |            |                   |              |                |                       |             |
| 18-0013<br>Proposal:<br>New          | RET Site: VSE-Nano: Visual-Simulation and Experiment based Nanoelectronics               | Research - Basic      | National Science Foundation<br>NSF   | - Federal            | PI            | 6/1/2018   | 2.91              | 48.50%       | 60%            | \$359,459             | Pending     |
|                                      |  | Totals for            | Mohanty, Saraju                      |                      |               |            |                   |              |                | \$359,459             |             |
| Ramisett                             | y-Mikler, Suhasini   |                       |                                      |                      |               |            |                   |              |                |                       |             |
|                                      | Mikler, S. , Co-PI; Mikler, A. , PI; Comp<br>Institute (AERI)                            | outer Science & Er    | ngineering; Tiwari, C. , Co-         | PI; Geography;       | O'Neill, M.   | , Co-PI; C | O'Neill, M. , (   | Co-PI; Adve  | anced Environr | nental                |             |
| 18-0039<br>Proposal:<br>Resubmission | Minimizing Access Disparities in Bio-<br>Emergency Response Planning                     | Research - Basic      | National Institutes of Health<br>NIH | Federal              | Co-PI         | 4/1/2018   | 3.91              | 48.50%       | 15%            | \$216,036             | Pending     |

| File<br>Number                       | Title  | Category              | Sponsor                            | Sponsor<br>Type    | PI /<br>Co-PI |              | Duration in Years | FA<br>Rate % | Recognition %   | Distributio<br>Amount | n<br>Status |
|--------------------------------------|--|-----------------------|------------------------------------|--------------------|---------------|--------------|-------------------|--------------|-----------------|-----------------------|-------------|
|                                      |  | Totals for            | Ramisetty-Mikler, Sul              | hasini             |               |              |                   |              |                 | \$216,036             |             |
| Takabi, I                            | Hassan   |                       |                                    |                    |               |              |                   |              |                 |                       |             |
| 18-0125<br>Proposal:<br>New          | UNT GenCyber Summer Program:<br>Inspiring the Next Generation of Cyber<br>Stars in North Texas                               | Instruction           | National Security Agency -<br>NSA  | - Federal          | PΙ            | 3/1/2018     | 0.91              | 48.00%       | 100%            | \$99,497              | Pending     |
|                                      |  | Totals for            | Takabi, Hassan                     |                    |               |              |                   |              |                 | \$99,497              |             |
|                                      |  | Totals for            | Computer Science & l               | Engineering        |               |              |                   |              |                 | \$1,545,326           |             |
| Electrical                           | l Engineering  |                       |                                    |                    |               |              |                   |              |                 |                       |             |
| Fu, Shen                             | gli  |                       |                                    |                    |               |              |                   |              |                 |                       |             |
| 18-0057<br>Proposal:<br>Supplement   | NSF-JST Collaboration Project  | Research - Basic      | National Science Foundation        | on - Federal       | PI            | 11/1/2017    | 7 0.5             | 48.51%       | 100%            | \$17,215              | Pending     |
|                                      |  | Totals for            | Fu, Shengli                        |                    |               |              |                   |              |                 | \$17,215              |             |
| Li, Xinro                            | ong  |                       |                                    |                    |               |              |                   |              |                 |                       |             |
| Li, X., PI;                          | Mehta, G., Co-PI; Namuduri, K., Co-P   | PI; Electrical Engi   | ineering; Lin, L., Co-PI;          | Learning Technolo  | ogies; Kidwe  | ell, V. , Co | -PI; Manage       | ment         |                 |                       |             |
| 18-0041<br>Proposal:<br>New          | IGE: Educating Engineering Doctoral<br>Students to Become Tomorrow's<br>Entrepreneurs, Innovators, and<br>Technology Leaders | Research - Basic      | National Science FoundationSF      | on - Federal       | PI            | 6/1/2018     | 2.91              | 48.50%       | 40%             | \$193,589             | Pending     |
|                                      |  | Totals for            | Li, Xinrong                        |                    |               |              |                   |              |                 | \$193,589             |             |
| Lin, Yua                             | nkun   |                       |                                    |                    |               |              |                   |              |                 |                       |             |
| Lin, Y., Co<br>Co-PI; Ma             | o-PI; Electrical Engineering; Hughes, L<br>thematics   | . , PI; Biological S  | Sciences; Lin, Y., Co-PI;          | Physics; Acree, W. | , Co-PI; Ch   | nemistry; (  | Champlin, S.      | , Co-PI; Jo  | ournalism; Widi | mer, S.,              |             |
| 18-0049<br>Proposal:<br>Resubmission | UNT Inclusive Excellence Program   | Instruction           | Howard Hughes Medical<br>Institute | Not for Profit     | Co-PI         | 9/1/2018     | 4.91              | 0.00%        | 2.5%            | \$23,484              | Pending     |
|                                      | o-PI; Electrical Engineering; Lin, Y. , P.   | I; Philipose, U., C   | Co-PI; Physics                     |                    |               |              |                   |              |                 |                       |             |
| 18-0058<br>Proposal:<br>New          | Extraordinary photo management using future generation graded photonic supercrystals   | Research -<br>Applied | National Science Foundation        | on - Federal       | Co-PI         | 7/1/2018     | 2.91              | 48.50%       | 15%             | \$64,053              | Pending     |

| File<br>Number                       | Title  | Category           | Sponsor                               | Sponsor<br>Type      | PI /<br>Co-PI |              | Duration in Years | FA<br>Rate % | Recognition % | Distributio<br>Amount | n<br>Status |
|--------------------------------------|--|--------------------|---------------------------------------|----------------------|---------------|--------------|-------------------|--------------|---------------|-----------------------|-------------|
| Lin, Y., Co                          | o-PI; Electrical Engineering; Lin, Y., PI  | ; Physics          |                                       |                      |               |              |                   |              |               |                       |             |
| 18-0060<br>Proposal:<br>New          | Switchable photoluminescence from dyes in nanopores  | Research - Basic   | University of Texas at San<br>Antonio | Federal Flow<br>Thru | Co-PI         | 7/1/2018     | 2.91              | 48.50%       | 25%           | \$54,119              | Pending     |
|                                      |  | Totals for         | Lin, Yuankun                          |                      |               |              |                   |              |               | \$141,656             |             |
| Mehta, G                             | ayatri   |                    |                                       |                      |               |              |                   |              |               |                       |             |
| Mehta, G.,                           | . Co-PI; Li, X. , PI; Namuduri, K. , Co-P  | I; Electrical Engi | neering; Lin, L. , Co-PI; I           | Learning Technolo    | gies; Kidwe   | ell, V. , Co | -PI; Manage       | ment         |               |                       |             |
| 18-0041<br>Proposal:<br>New          | IGE: Educating Engineering Doctoral<br>Students to Become Tomorrow's<br>Entrepreneurs, Innovators, and<br>Technology Leaders | Research - Basic   | National Science Foundation           | on - Federal         | Co-PI         | 6/1/2018     | 2.91              | 48.50%       | 15%           | \$72,596              | Pending     |
|                                      |  | Totals for         | Mehta, Gayatri                        |                      |               |              |                   |              |               | \$72,596              |             |
| Namudui                              | ri, Kameswara Rao  |                    |                                       |                      |               |              |                   |              |               |                       |             |
| Namuduri,                            | K., Co-PI; Li, X., PI; Mehta, G., Co-P   | I; Electrical Engi | neering; Lin, L. , Co-PI; I           | Learning Technolo    | gies; Kidwe   | ell, V. , Co | -PI; Manage       | ment         |               |                       |             |
| 18-0041<br>Proposal:<br>New          | IGE: Educating Engineering Doctoral<br>Students to Become Tomorrow's<br>Entrepreneurs, Innovators, and<br>Technology Leaders | Research - Basic   | National Science Foundation           | on - Federal         | Co-PI         | 6/1/2018     | 2.91              | 48.50%       | 15%           | \$72,596              | Pending     |
| Namuduri,                            | K., PI; Electrical Engineering; Andrew   | , S. , Co-PI; Publ | ic Administration                     |                      |               |              |                   |              |               |                       |             |
| 18-0065<br>Proposal:<br>Resubmission | RAPID: Rapidly Deployable<br>Communication and Emergency<br>Coordination Systems   | Research - Basic   | National Science Foundation           | on - Federal         | PI            | 11/1/2017    | 7 0.91            | 48.50%       | 60%           | \$87,134              | Pending     |
|                                      |  | Totals for         | Namuduri, Kameswar                    | a Rao                |               |              |                   |              |               | \$159,730             |             |
|                                      |  | Totals for         | Electrical Engineering                | Į.                   |               |              |                   |              |               | \$584,787             |             |
| Engineer                             | ing Technology   |                    |                                       |                      |               |              |                   |              |               |                       |             |
| Bostanci,                            | Huseyin  |                    |                                       |                      |               |              |                   |              |               |                       |             |
| 18-0017<br>Proposal:<br>New          | Investigation of Two-Phase Spray<br>Cooling with Binary Mixtures   | Research - Basic   | National Science Foundation           | on - Federal         | PI            | 8/1/2018     | 2.91              | 48.50%       | 100%          | \$313,035             | Pending     |

| File<br>Number              | Title   | Category                  | Sponsor                                    | Sponsor<br>Type | PI /<br>Co-PI |           | Duration in Years | FA<br>Rate % | Recognition % | Distributio<br>Amount | n<br>Status |
|-----------------------------|---|---------------------------|--|-----------------|---------------|-----------|-------------------|--------------|---------------|-----------------------|-------------|
| 18-0045<br>Proposal:<br>New | NPI-UNT Partnership on Nuclear<br>Education, Systems Engineering<br>Initiative, and Outreach Programs                   | Research -<br>Development | Texas AM Engineering<br>Experiment Station | Not for Profit  | PI            | 10/15/201 | 7 0.75            | 0.00%        | 100%          | \$60,856              | Pending     |
| 18-0054<br>Proposal:<br>New | High Voltage Stacked Power Module with Embedded Jet Impingement Cooling   | Research -<br>Applied     | US Army Research<br>Laboratory - ARL       | Federal         | PI            | 1/1/2018  | 2.91              | 48.50%       | 100%          | \$501,422             | Pending     |
|                             |   | Totals for                | Bostanci, Huseyin                          |                 |               |           |                   |              |               | \$875,313             |             |
| Kougian                     | os, Elias   |                           |  |                 |               |           |                   |              |               |                       |             |
| _                           | s, E., Co-PI; Engineering Technology; M   | -                         |  | _               |               |           |                   |              |               |                       |             |
| 18-0013<br>Proposal:<br>New | RET Site: VSE-Nano: Visual-Simulation and Experiment based Nanoelectronics  | Research - Basic          | National Science Foundation<br>NSF         | ı - Federal     | Co-PI         | 6/1/2018  | 2.91              | 48.50%       | 40%           | \$239,639             | Pending     |
|                             |   | Totals for                | Kougianos, Elias                           |                 |               |           |                   |              |               | \$239,639             |             |
| Manzo, N                    | Maurizio  |                           |  |                 |               |           |                   |              |               |                       |             |
| Manzo, M.                   | , PI; Engineering Technology; Choi, T.  | , Co-PI; Mechani          | cal & Energy Engineering                   |                 |               |           |                   |              |               |                       |             |
| 17-0689<br>Proposal:<br>New | Simultaneous Measurements of Pressure<br>and Temperature at High Spatial and<br>Temporal Resolution in Turbulent Flow   | Research - Basic          | National Science Foundation<br>NSF         | ı - Federal     | PI            | 4/1/2018  | 2.91              | 48.50%       | 60%           | \$187,767             | Pending     |
|                             |   | Totals for                | Manzo, Maurizio                            |                 |               |           |                   |              |               | \$187,767             |             |
|                             |   | Totals for                | Engineering Technolog                      | v               |               |           |                   |              |               | \$1,302,719           |             |
| Materials                   | Science & Engineering   |                           |  |                 |               |           |                   |              |               |                       |             |
| Berman,                     | Diana   |                           |  |                 |               |           |                   |              |               |                       |             |
| 18-0085<br>Proposal:<br>New | Effect of the Material Degradation on the<br>Material Interactions with Surrounding<br>Media at Solid/Liquid Interfaces | Research - Basic          | American Chemical Society                  | Not for Profit  | PI            | 9/1/2018  | 1.91              | 0.00%        | 100%          | \$110,000             | Pending     |
|                             |   | Totals for                | Berman, Diana                              |                 |               |           |                   |              |               | \$110,000             |             |

| File<br>Number              | Title  | Category              | Sponsor                          | Sponsor<br>Type   | PI /<br>Co-PI |           | Duration in Years | FA<br>Rate % | Recognition % | Distributio<br>Amount | n<br>Status |
|-----------------------------|--|-----------------------|----------------------------------|-------------------|---------------|-----------|-------------------|--------------|---------------|-----------------------|-------------|
| Brostow,                    | Witold   |                       |                                  |                   |               |           |                   |              |               |                       |             |
| 18-0101<br>Proposal:<br>New | Chemical structures and mechanical, swelling, thermophysical and tribological properties of polymers   | Research - Basic      | National Science Foundati<br>NSF | on - Federal      | PI            | 3/1/2018  | 2.91              | 48.50%       | 100%          | \$565,020             | Pending     |
|                             |  | Totals for            | Brostow, Witold                  |                   |               |           |                   |              |               | \$565,020             |             |
| Choi, Wo                    | onbong   |                       |                                  |                   |               |           |                   |              |               |                       |             |
| Choi, W.,                   | PI; Materials Science & Engineering; Co  | hoi, W. , Co-PI; P    | rasad, V. , Co-PI; Mecha         | nical & Energy E  | ngineering    |           |                   |              |               |                       |             |
| 18-0023<br>Proposal:<br>New | SemiSynBio: Bacterial computing: exploring the bio-electronic interface  | Research -<br>Applied | National Science Foundati<br>NSF | on - Federal      | PI            | 6/1/2018  | 2.91              | 48.50%       | 64%           | \$960,000             | Pending     |
| Choi, W.,                   | Co-PI; Materials Science & Engineering   | g; Zhao, W. , PI; C   | Choi, W. , Co-PI; Prasad,        | V., Co-PI; Mech   | anical & Ene  | rgy Engin | eering            |              |               |                       |             |
| 18-0055<br>Proposal:<br>New | A Novel 3D Multi-Layer Stacked<br>Graphene-CNT Structure for Highly-<br>Efficient Thermal Transport,<br>Management, and Storage  | Research - Basic      | National Science Foundati<br>NSF | on - Federal      | Со-РІ         | 7/1/2018  | 2.91              | 48.50%       | 26.4%         | \$102,923             | Pending     |
| Choi, W.,                   | PI; Materials Science & Engineering; C   | hoi, W. , Co-PI; P    | rasad, V. , Co-PI; Mecha         | ınical & Energy E | ngineering    |           |                   |              |               |                       |             |
| 18-0076<br>Proposal:<br>New | 2D Materials coated Li-metal for High-<br>energy and Stable Li-S Batteries   | Research - Basic      | National Science Foundati<br>NSF | on - Federal      | PI            | 7/1/2018  | 2.91              | 48.50%       | 64%           | \$192,000             | Pending     |
|                             |  | Totals for            | Choi, Wonbong                    |                   |               |           |                   |              |               | \$1,254,923           |             |
| D'souza,                    | Francis  |                       |                                  |                   |               |           |                   |              |               |                       |             |
| D'souza, F                  | ., Co-PI; Materials Science & Engineer   | ing; D'souza, F.,     | PI; Chemistry                    |                   |               |           |                   |              |               |                       |             |
| 17-0655<br>Proposal:<br>New | Nanocarbon-Sensitizer Hybrids for Light<br>Energy Harvesting: Generation of High<br>Energy Charge Separated States, and<br>Engaging Near-Infrared and Triplet<br>Sensitizers | Research - Basic      | National Science Foundati<br>NSF | on - Federal      | Co-PI         | 6/1/2018  | 2.91              | 48.50%       | 20%           | \$88,982              | Pending     |
|                             |  | Totals for            | D'souza, Francis                 |                   |               |           |                   |              |               | \$88,982              |             |

| File<br>Number              | Title   | Category              | Sponsor                          | Sponsor<br>Type      | PI /<br>Co-PI |          | Duration in Years | FA<br>Rate % | Recognition % | Distributio<br>Amount | on<br>Status |
|-----------------------------|---|-----------------------|----------------------------------|----------------------|---------------|----------|-------------------|--------------|---------------|-----------------------|--------------|
| Mukherj                     | ee, Sundeep   |                       |                                  |                      |               |          |                   |              |               |                       |              |
| 18-0080<br>Proposal:<br>New | Additively Joined Metallic Glass<br>Structures with High Strength and<br>Toughness for Advanced Space Platforms       | Research - Basic      | ATS-MER, LLC                     | Federal Flow<br>Thru | PI            | 3/1/2018 | 0.66              | 48.50%       | 100%          | \$50,000              | Pending      |
| Mukherjee                   | , S. , PI; Xia, Z. , Co-PI; Materials Scien   | ce & Engineering      | ; Xia, Z. , Co-PI; Chemistry     |                      |               |          |                   |              |               |                       |              |
| 18-0081<br>Proposal:<br>New | GOALI: Rapid environmental remediation by catalytic amorphous metals  | Research - Basic      | National Science Foundation NSF  | - Federal            | PI            | 7/1/2018 | 2.91              | 48.50%       | 80%           | \$263,999             | Pending      |
|                             |   | Totals for            | Mukherjee, Sundeep               |                      |               |          |                   |              |               | \$313,999             |              |
| Xia, Zhei                   | nhai  |                       |                                  |                      |               |          |                   |              |               |                       |              |
| Xia, Z., C                  | o-PI; Mukherjee, S. , PI; Materials Scien   | ce & Engineering      | ; Xia, Z., Co-PI; Chemistry      |                      |               |          |                   |              |               |                       |              |
| 18-0081<br>Proposal:<br>New | GOALI: Rapid environmental remediation by catalytic amorphous metals  | Research - Basic      | National Science Foundation NSF  | - Federal            | Co-PI         | 7/1/2018 | 2.91              | 48.50%       | 16%           | \$52,800              | Pending      |
|                             |   | Totals for            | Xia, Zhenhai                     |                      |               |          |                   |              |               | \$52,800              |              |
| Young, N                    | <b>Aarcus</b>   |                       |                                  |                      |               |          |                   |              |               |                       |              |
| Young, M.                   | , Co-PI; Materials Science & Engineering  | ng; Zhu, D. , PI; B   | iomedical Engineering            |                      |               |          |                   |              |               |                       |              |
| 17-0685<br>Proposal:<br>New | Toxicity and benefit of novel Zn alloys with nanomaterial coatings for bone regeneration                              | Research -<br>Applied | U.S. Department of Defense - DOD | Federal              | Co-PI         | 6/1/2018 | 2.91              | 48.50%       | 5%            | \$81,794              | Pending      |
|                             |   | Totals for            | Young, Marcus                    |                      |               |          |                   |              |               | \$81,794              |              |
|                             |   | Totals for            | Materials Science & Eng          | ineering             |               |          |                   |              |               | \$2,467,517           |              |
| Mechanic                    | cal & Energy Engineering  |                       |                                  |                      |               |          |                   |              |               |                       |              |
| Choi, Ta                    | e-Youl  |                       |                                  |                      |               |          |                   |              |               |                       |              |
| · ·                         | Co-PI; Mechanical & Energy Engineerin   | g; Manzo, M., PI      | ; Engineering Technology         |                      |               |          |                   |              |               |                       |              |
| 17-0689<br>Proposal:<br>New | Simultaneous Measurements of Pressure<br>and Temperature at High Spatial and<br>Temporal Resolution in Turbulent Flow | Research - Basic      | National Science Foundation NSF  | - Federal            | Co-PI         | 4/1/2018 | 2.91              | 48.50%       | 40%           | \$125,178             | Pending      |
|                             |   | Totals for            | Choi, Tae-Youl                   |                      |               |          |                   |              |               | \$125,178             |              |

| File<br>Number              | Title   | Category              | Sponsor                        | Sponsor<br>Type     | PI /<br>Co-PI   |           | Duration in Years | FA<br>Rate % | Recognition % | Distribution<br>Amount | n<br>Status |
|-----------------------------|---|-----------------------|--------------------------------|---------------------|-----------------|-----------|-------------------|--------------|---------------|------------------------|-------------|
| Choi, Wo                    | onbong  |                       |                                |                     |                 |           |                   |              |               |                        |             |
| Choi, W.,                   | Co-PI; Prasad, V., Co-PI; Mechanical  | & Energy Engine       | ering; Choi, W., PI; Ma        | terials Science & I | Engineering     |           |                   |              |               |                        |             |
| 18-0023<br>Proposal:<br>New | SemiSynBio: Bacterial computing: exploring the bio-electronic interface   | Research -<br>Applied | National Science Founda<br>NSF | tion - Federal      | Co-PI           | 6/1/2018  | 2.91              | 48.50%       | 16%           | \$240,000              | Pending     |
| Choi, W.,                   | Co-PI; Zhao, W., PI; Prasad, V., Co-F   | PI; Mechanical & I    | Energy Engineering; Ch         | oi, W., Co-PI; Ma   | terials Science | e & Engin | eering            |              |               |                        |             |
| 18-0055<br>Proposal:<br>New | A Novel 3D Multi-Layer Stacked<br>Graphene-CNT Structure for Highly-<br>Efficient Thermal Transport,<br>Management, and Storage | Research - Basic      | National Science Founda<br>NSF | tion - Federal      | Co-PI           | 7/1/2018  | 2.91              | 48.50%       | 6.6%          | \$25,731               | Pending     |
| Choi, W.,                   | Co-PI; Prasad, V. , Co-PI; Mechanical   | & Energy Engine       | ering; Choi, W. , PI; Ma       | terials Science & I | Engineering     |           |                   |              |               |                        |             |
| 18-0076<br>Proposal:<br>New | 2D Materials coated Li-metal for High-<br>energy and Stable Li-S Batteries  | Research - Basic      | National Science Founda<br>NSF | tion - Federal      | Co-PI           | 7/1/2018  | 2.91              | 48.50%       | 16%           | \$48,000               | Pending     |
|                             |   | Totals for            | Choi, Wonbong                  |                     |                 |           |                   |              |               | \$313,731              |             |
| Prasad, V                   | /ishwanath  |                       |                                |                     |                 |           |                   |              |               |                        |             |
| Prasad, V.                  | , Co-PI; Choi, W. , Co-PI; Mechanical   | & Energy Engine       | ering; Choi, W. , PI; Ma       | terials Science & I | Engineering     |           |                   |              |               |                        |             |
| 18-0023<br>Proposal:<br>New | SemiSynBio: Bacterial computing: exploring the bio-electronic interface   | Research -<br>Applied | National Science Founda<br>NSF | tion - Federal      | Co-PI           | 6/1/2018  | 2.91              | 48.50%       | 20%           | \$300,000              | Pending     |
| Prasad, V.                  | , Co-PI; Zhao, W. , PI; Choi, W. , Co-F   | PI; Mechanical & I    | Energy Engineering; Ch         | oi, W., Co-PI; Ma   | terials Science | e & Engin | eering            |              |               |                        |             |
| 18-0055<br>Proposal:<br>New | A Novel 3D Multi-Layer Stacked<br>Graphene-CNT Structure for Highly-<br>Efficient Thermal Transport,<br>Management, and Storage | Research - Basic      | National Science Founda<br>NSF | tion - Federal      | Co-PI           | 7/1/2018  | 2.91              | 48.50%       | 33%           | \$128,654              | Pending     |
| Prasad, V.                  | , Co-PI; Choi, W., Co-PI; Mechanical  | & Energy Engine       | ering; Choi, W. , PI; Ma       | terials Science & I | Engineering     |           |                   |              |               |                        |             |
| 18-0076<br>Proposal:<br>New | 2D Materials coated Li-metal for High-<br>energy and Stable Li-S Batteries  | Research - Basic      | National Science Founda<br>NSF | tion - Federal      | Co-PI           | 7/1/2018  | 2.91              | 48.50%       | 20%           | \$60,000               | Pending     |
|                             |   | Totals for            | Prasad, Vishwanath             | l                   |                 |           |                   |              |               | \$488,654              |             |

| File<br>Number              | Title   | Category              | Sponsor                                      | Sponsor<br>Type      | PI /<br>Co-PI  |           | Duration in Years | FA<br>Rate % | Recognition % | Distributio<br>Amount | n<br>Status |
|-----------------------------|---|-----------------------|--|----------------------|----------------|-----------|-------------------|--------------|---------------|-----------------------|-------------|
| Shi, Shel                   | don   |                       |  |                      |                |           |                   |              |               |                       |             |
| 18-0028<br>Proposal:<br>New | Mechanism of D-UASB-RO System for Organic Concentrated Wastewater with Zero Discharge   | Research - Basic      | National Science Foundation<br>NSF           | - Federal            | PΙ             | 6/1/2018  | 3.91              | 48.50%       | 100%          | \$500,001             | Pending     |
| 18-0030<br>Proposal:<br>New | High-performance Magnetic Activated<br>Carbon from Forest Biomass through an<br>Innovative in Situ Magnetization Process                  | Research -<br>Applied | ZS Tech, LLC.                                | Federal Flow<br>Thru | PI             | 6/1/2018  | 0.91              | 48.50%       | 100%          | \$30,000              | Pending     |
|                             |   | Totals for            | Shi, Sheldon                                 |                      |                |           |                   |              |               | \$530,001             |             |
| Zhao, Wo                    | eihuan  |                       |  |                      |                |           |                   |              |               |                       |             |
| Zhao, W.,                   | PI; Choi, W., Co-PI; Prasad, V., Co-P.  | I; Mechanical & E     | Energy Engineering; Choi, V                  | V. , Co-PI; Mate     | erials Science | e & Engin | eering            |              |               |                       |             |
| 18-0055<br>Proposal:<br>New | A Novel 3D Multi-Layer Stacked<br>Graphene-CNT Structure for Highly-<br>Efficient Thermal Transport,<br>Management, and Storage           | Research - Basic      | National Science Foundation<br>NSF           | - Federal            | PI             | 7/1/2018  | 2.91              | 48.50%       | 34%           | \$132,552             | Pending     |
|                             |   | Totals for            | Zhao, Weihuan                                |                      |                |           |                   |              |               | \$132,552             |             |
|                             |   | Totals for            | Mechanical & Energy E                        | ngineering           |                |           |                   |              |               | \$1,590,116           |             |
|                             |   | Totals for            | College of Engineering                       |                      |                |           |                   |              |               | \$9,570,414           |             |
|                             | f Health & Public Service<br>& Addiction Rehabilitation   |                       |  |                      |                |           |                   |              |               |                       |             |
| Mpofu, F                    | Elias   |                       |  |                      |                |           |                   |              |               |                       |             |
| 18-0131<br>Proposal:<br>New | Evaluation of Camphill Community Trust<br>Program for People with Autism:<br>Identification, Vocational Education and<br>Community Living | Research - Basic      | Africa Scholarship<br>Development Enterprize | Foreign Flow<br>Thru | PI             | 2/1/2018  | 0.5               | 0.00%        | 100%          | \$12,435              | Pending     |
|                             |   | Totals for            | Mpofu, Elias                                 |                      |                |           |                   |              |               | \$12,435              |             |
|                             |   | Totals for            | Disability & Addiction I                     | Rehabilitation       |                |           |                   |              |               | \$12,435              |             |
|                             |   | 10003 101             | Disability & Madiction 1                     |                      |                |           |                   |              |               | Ψ12,433               |             |

| File<br>Number   | Title  | Category   | Sponsor   | Sponsor<br>Type    | PI /<br>Co-PI          |                          | Duration in Years | FA<br>Rate %   | Recognition % | Distributio<br>Amount           | n<br>Status |
|--|--|--|---|--------------------|------------------------|--------------------------|-------------------|----------------|---------------|---------------------------------|-------------|
| Public Ad  | lministration  |  |   |                    |                        |                          |                   |                |               |                                 |             |
| Andrew,  | Simon  |  |   |                    |                        |                          |                   |                |               |                                 |             |
| Andrew, S.   | , Co-PI; Public Administration; Nam  | uduri, K. , PI; Electr                                     | rical Engineering   |                    |                        |                          |                   |                |               |                                 |             |
| 18-0065<br>Proposal:<br>Resubmissio  | RAPID: Rapidly Deployable<br>Communication and Emergency<br>Coordination Systems   | Research - Basic   | National Science Foundati<br>NSF  | ion - Federal      | Co-PI                  | 11/1/2017                | 0.91              | 48.50%         | 40%           | \$58,090                        | Pending     |
|  |  | Totals for   | Andrew, Simon   |                    |                        |                          |                   |                |               | \$58,090                        |             |
|  |  | Totals for   | Public Administratio  | n                  |                        |                          |                   |                |               | \$58,090                        |             |
|  |  | Totals for   | College of Health & l   | Public Service     |                        |                          |                   |                |               | \$70,525                        |             |
| College of   | f Information  |  |   |                    |                        |                          |                   |                |               |                                 |             |
|  | 77. 1 1 ·  |  |   |                    |                        |                          |                   |                |               |                                 |             |
| Lin, Lin   | Technologies  p-PI; Learning Technologies; Li, X., 1   | PI; Mehta, G. , Co-P                                       | I; Namuduri, K. , Co-PI;  | · Electrical Engin | eering; Kidwe          | ell, V. , Co             | -PI; Manage       | ment           |               |                                 |             |
| Lin, Lin   |  |  | I; Namuduri, K., Co-PI;  National Science Foundati  NSF                                     | _                  | eering; Kidwe<br>Co-PI | ell, V. , Co<br>6/1/2018 | _                 | ment<br>48.50% | 15%           | \$72,596                        | Pending     |
| <b>Lin, Lin</b> <i>Lin, L. , Co</i> 18-0041 Proposal:                              | o-PI; Learning Technologies; Li, X., IIGE: Educating Engineering Doctoral Students to Become Tomorrow's Entrepreneurs, Innovators, and   |  | National Science Foundati   | _                  | _                      |                          | _                 |                | 15%           | \$72,596<br><b>\$72,596</b>     | Pending     |
| <b>Lin, Lin</b> <i>Lin, L. , Co</i> 18-0041 Proposal:                              | o-PI; Learning Technologies; Li, X., IIGE: Educating Engineering Doctoral Students to Become Tomorrow's Entrepreneurs, Innovators, and   | Research - Basic   | National Science Foundati<br>NSF  | ion - Federal      | _                      |                          | _                 |                | 15%           |                                 | Pending     |
| <b>Lin, Lin</b> <i>Lin, L. , Co</i> 18-0041 Proposal:                              | o-PI; Learning Technologies; Li, X., IGE: Educating Engineering Doctoral Students to Become Tomorrow's Entrepreneurs, Innovators, and Technology Leaders   | Research - Basic  Totals for                               | National Science Foundati<br>NSF  Lin, Lin  | ion - Federal      | _                      |                          | _                 |                | 15%           | \$72,596                        | Pending     |
| Lin, Lin Lin, L., Co 18-0041 Proposal: New   | o-PI; Learning Technologies; Li, X., IGE: Educating Engineering Doctoral Students to Become Tomorrow's Entrepreneurs, Innovators, and Technology Leaders   | Research - Basic  Totals for                               | National Science Foundati<br>NSF  Lin, Lin  | ion - Federal      | _                      |                          | _                 |                | 15%           | \$72,596                        | Pending     |
| Lin, Lin Lin, L., Co 18-0041 Proposal: New   | o-PI; Learning Technologies; Li, X., IIGE: Educating Engineering Doctoral Students to Become Tomorrow's Entrepreneurs, Innovators, and Technology Leaders  | Research - Basic  Totals for                               | National Science Foundati<br>NSF  Lin, Lin  | ion - Federal      | _                      |                          | 2.91              |                | 15%           | \$72,596<br>\$72,596            | Pending     |
| Lin, Lin Lin, L., Co 18-0041 Proposal: New  Linguistic Chelliah, 18-0150 Proposal: | o-PI; Learning Technologies; Li, X., IIGE: Educating Engineering Doctoral Students to Become Tomorrow's Entrepreneurs, Innovators, and Technology Leaders  Shobhana  Lamkang Lexical Database and Online | Research - Basic  Totals for  Totals for                   | National Science Foundati NSF  Lin, Lin  Learning Technologi  National Science Foundati     | ion - Federal      | Co-PI                  | 6/1/2018                 | 2.91              | 48.50%         |               | \$72,596<br>\$72,596            |             |
| Lin, Lin Lin, L., Co 18-0041 Proposal: New  Linguistic Chelliah, 18-0150 Proposal: | o-PI; Learning Technologies; Li, X., IIGE: Educating Engineering Doctoral Students to Become Tomorrow's Entrepreneurs, Innovators, and Technology Leaders  Shobhana  Lamkang Lexical Database and Online | Research - Basic  Totals for  Totals for  Research - Basic | National Science Foundati NSF  Lin, Lin  Learning Technologi  National Science Foundati NSF | ion - Federal      | Co-PI                  | 6/1/2018                 | 2.91              | 48.50%         |               | \$72,596<br>\$72,596<br>\$5,800 |             |

| File<br>Number                       | Title   | Category           | Sponsor                                     | Sponsor<br>Type      | PI /<br>Co-PI | Start<br>Date | Duration in Years | FA<br>Rate % | Recognition %  | Distribution<br>Amount | n<br>Status |
|--------------------------------------|---|--------------------|---|----------------------|---------------|---------------|-------------------|--------------|----------------|------------------------|-------------|
| College o                            | f Liberal Arts & Social Sciences  |                    |   |                      |               |               |                   |              |                |                        |             |
| Economic                             | cs  |                    |   |                      |               |               |                   |              |                |                        |             |
| Leonard,                             | , Tammy   |                    |   |                      |               |               |                   |              |                |                        |             |
| 18-0050<br>Proposal:<br>New          | Social Contagion: Improving<br>Interventions in the Spatial Context   | Research - Basic   | University of Texas<br>Southwestern Medical | Federal Flow<br>Thru | PI            | 7/1/2018      | 4.91              | 48.50%       | 100%           | \$746,756              | Pending     |
|                                      |   | Totals for         | Leonard, Tammy                              |                      |               |               |                   |              |                | \$746,756              |             |
|                                      |   | Totals for         | Economics                                   |                      |               |               |                   |              |                | \$746,756              |             |
| Geograph                             | hy  |                    |   |                      |               |               |                   |              |                |                        |             |
| Tiwari, C                            | Chetan  |                    |   |                      |               |               |                   |              |                |                        |             |
|                                      | , Co-PI; Geography; Mikler, A. , PI; Ra<br>Institute (AERI)   | misetty-Mikler, S. | , Co-PI; Computer Science                   | e & Engineering;     | O'Neill, M.,  | , Co-PI; (    | O'Neill, M. , C   | Co-PI; Adve  | anced Environi | nental                 |             |
| 18-0039<br>Proposal:<br>Resubmission | Minimizing Access Disparities in Bio-<br>Emergency Response Planning  | Research - Basic   | National Institutes of Health<br>NIH        | - Federal            | Co-PI         | 4/1/2018      | 3.91              | 48.50%       | 15%            | \$216,036              | Pending     |
|                                      |   | Totals for         | Tiwari, Chetan                              |                      |               |               |                   |              |                | \$216,036              |             |
| Williams                             | , Harry F   |                    |   |                      |               |               |                   |              |                |                        |             |
| 18-0087<br>Proposal:<br>New          | RAPID: Collaborative Research: Tracking<br>Hurricane Harvey's Storm Surge and<br>Flood Sedimentation  | Research - Basic   | National Science Foundatio<br>NSF           | n - Federal          | PI            | 11/1/2017     | 7 1               | 48.50%       | 100%           | \$20,692               | Pending     |
|                                      |   | Totals for         | Williams, Harry F                           |                      |               |               |                   |              |                | \$20,692               |             |
|                                      |   | Totals for         | Geography                                   |                      |               |               |                   |              |                | \$236,728              |             |
| Psycholog                            | gy  |                    |   |                      |               |               |                   |              |                |                        |             |
| Contract                             | tor, Ateka  |                    |   |                      |               |               |                   |              |                |                        |             |
| Contractor                           | r, A., PI; Taylor, D., Co-PI; Ryals, A.,  | Co-PI; Psycholog   | y   |                      |               |               |                   |              |                |                        |             |
| 17-0591<br>Proposal:<br>New          | Development, Standardization, and<br>Preliminary Testing of a Novel PTSD<br>Intervention: Processing of Positive<br>Memories Intervention (PPMI). | Research - Basic   | National Institutes of Health<br>NIH        | - Federal            | PI            | 8/1/2018      | 2.91              | 48.50%       | 100%           | \$463,725              | Pending     |
|                                      |   | Totals for         | Contractor, Ateka                           |                      |               |               |                   |              |                | \$463,725              |             |

| File<br>Number                     | Title   | Category              | Sponsor  | Sponsor<br>Type             | PI /<br>Co-PI |           | Duration in Years | FA<br>Rate % | Recognition % | Distributio<br>Amount | n<br>Status |
|------------------------------------|---|-----------------------|--|-----------------------------|---------------|-----------|-------------------|--------------|---------------|-----------------------|-------------|
| Petrie, Ti                         | rent  |                       |  |                             |               |           |                   |              |               |                       |             |
| 18-0072<br>Proposal:<br>Supplement | Implementation and Evaluation of The Female Body (FAB) Project: "Bodies in Motion"                      | Research - Basic      | West Virginia University                                   | Not for Profit<br>Flow Thru | PI            | 4/21/2016 | 5 1.5             | 0.00%        | 100%          | \$698                 | Awarded     |
|                                    |   | Totals for            | Petrie, Trent  |                             |               |           |                   |              |               | \$698                 |             |
| Taylor, D                          | Daniel  |                       |  |                             |               |           |                   |              |               |                       |             |
| 18-0009<br>Proposal:<br>New        | Presence and Impact of Sleep Disorders in<br>Service Members Receiving Treatment<br>for PTSD.           | Research -<br>Applied | U.S. Department of Defense-CDMRP                           | Federal                     | PI            | 8/27/2018 | 3 4               | 48.50%       | 100%          | \$6,542,369           | Pending     |
| 18-0010<br>Proposal:<br>New        | Sleep and Suicidal Ideation: An Intensive Daily Sampling Study.   | Research -<br>Applied | U.S. Department of Defense DOD                             | - Federal                   | PI            | 9/1/2018  | 2.91              | 48.50%       | 100%          | \$1,295,189           | Pending     |
| 18-0011<br>Proposal:<br>New        | Assessment and Treatment of Military<br>Sleep Disorders in Operational Settings                         | Research -<br>Applied | University of Texas Health<br>Science Center at San Antoni | Federal Flow<br>o Thru      | PI            | 9/1/2018  | 3.91              | 48.50%       | 100%          | \$488,769             | Pending     |
|                                    |   | Totals for            | Taylor, Daniel   |                             |               |           |                   |              |               | \$8,326,327           |             |
|                                    |   | Totals for            | Psychology   |                             |               |           |                   |              |               | \$8,790,750           |             |
| World La                           | nguage, Literature, & Cultures  |                       |  |                             |               |           |                   |              |               |                       |             |
| Filosofov                          | a, Tatiana  |                       |  |                             |               |           |                   |              |               |                       |             |
| 18-0053<br>Proposal:<br>New        | STARTALK: 2018 Welcome to My<br>World- Summer School Proposal 2018<br>(Russian and Chinese), UNT Campus | Instruction           | National Security Agency -<br>NSA                          | Federal                     | PI            | 6/1/2018  | 0.66              | 48.00%       | 100%          | \$84,516              | Pending     |
|                                    |   | Totals for            | Filosofova, Tatiana  |                             |               |           |                   |              |               | \$84,516              |             |
|                                    |   | Totals for            | World Language, Litera                                     | ature, & Cultures           |               |           |                   |              |               | \$84,516              |             |
|                                    |   | Totals for            | College of Liberal Arts                                    | & Social Sciences           |               |           |                   |              |               | \$9,858,749           |             |

| File<br>Number              | Title   | Category                  | Sponsor                            | Sponsor<br>Type         | PI /<br>Co-PI |           | Duration in Years | FA<br>Rate % | Recognition % | Distributio<br>Amount | n<br>Status |
|-----------------------------|---|---------------------------|------------------------------------|-------------------------|---------------|-----------|-------------------|--------------|---------------|-----------------------|-------------|
| College o                   | f Merchandising, Hospitality & T  | Courism                   |                                    |                         |               |           |                   |              |               |                       |             |
| Merch &                     | Digital Retailing   |                           |                                    |                         |               |           |                   |              |               |                       |             |
| Xu, Buga                    | 10  |                           |                                    |                         |               |           |                   |              |               |                       |             |
| 18-0086<br>Proposal:<br>New | Detection of plastic contaminants in cotton ginning process using NIR optoelectronic technology | Research -<br>Development | Cotton Incorporated                | Industry                | PI            | 1/1/2018  | 1.91              | 15.00%       | 100%          | \$68,792              | Pending     |
|                             |   | Totals for                | Xu, Bugao                          |                         |               |           |                   |              |               | \$68,792              |             |
|                             |   | Totals for                | Merch & Digital Retailin           | ng                      |               |           |                   |              |               | \$68,792              |             |
|                             |   | Totals for                | College of Merchandisin            | g, Hospitality & T      | ourism        |           |                   |              |               | \$68,792              |             |
| College o                   | f Science   |                           |                                    |                         |               |           |                   |              |               |                       |             |
| Biologica                   | l Sciences  |                           |                                    |                         |               |           |                   |              |               |                       |             |
| Chapmai                     | n, Kent   |                           |                                    |                         |               |           |                   |              |               |                       |             |
| 17-0458<br>Proposal:<br>New | Sink-based strategies for N-input reduction in upland cotton                                    | Research - Basic          | University of Arizona              | Federal Flow<br>Thru    | PI            | 7/1/2018  | 2.91              | 48.50%       | 100%          | \$123,224             | Pending     |
|                             |   | Totals for                | Chapman, Kent                      |                         |               |           |                   |              |               | \$123,224             |             |
| Dzialows                    | ki, Edward  |                           | -                                  |                         |               |           |                   |              |               |                       |             |
|                             | i, E. , Co-PI; Padilla, P. , PI; Biologic   | cal Sciences; Slaught     | er, L., Co-PI; Cisneros, G.        | , Co-PI; Wang, H        | I. , Co-PI;   | Chemistry | v                 |              |               |                       |             |
| 18-0029<br>Proposal:<br>New | IGE: Cores for Scientific Success in<br>Biological Sciences and Chemistry                       | Instruction               | National Science Foundation<br>NSF | - Federal               | Co-PI         | 8/1/2018  | 2.91              | 48.50%       | 19%           | \$95,000              | Pending     |
|                             |   | Totals for                | Dzialowski, Edward                 |                         |               |           |                   |              |               | \$95,000              |             |
| Hoeingha                    | aus, David  |                           |                                    |                         |               |           |                   |              |               |                       |             |
| 18-0061<br>Proposal:<br>New | Abt Agreement   | Research -<br>Applied     | Abt Associates, Inc.               | Foundation Flow<br>Thru | PI            | 1/1/2018  | 4.91              | 0.00%        | 100%          | \$1                   | Pending     |
|                             |   | Totals for                | Hoeinghaus, David                  |                         |               |           |                   |              |               | \$1                   |             |

| File<br>Number                     | Title   | Category               | Sponsor                            | Sponsor<br>Type     | PI /<br>Co-PI |             | Duration in Years | FA<br>Rate % | Recognition %   | Distributio<br>Amount | n<br>Status |
|------------------------------------|---|------------------------|------------------------------------|---------------------|---------------|-------------|-------------------|--------------|-----------------|-----------------------|-------------|
| Hughes,                            | Lee   |                        |                                    |                     |               |             |                   |              |                 |                       |             |
| Hughes, L<br>Co-PI; Ma             | . , PI; Biological Sciences; Lin, Y. , Cathematics  | o-PI; Physics; Lin, Y  | . , Co-PI; Electrical Engir        | neering; Acree, W.  | , Co-PI; Ch   | nemistry; ( | Champlin, S.      | , Co-PI; Ja  | ournalism; Widn | ier, S.,              |             |
| 18-0049<br>Proposal:<br>Resubmissi | UNT Inclusive Excellence Program  | Instruction            | Howard Hughes Medical<br>Institute | Not for Profit      | PI            | 9/1/2018    | 4.91              | 0.00%        | 45%             | \$422,719             | Pending     |
|                                    |   | Totals for             | Hughes, Lee                        |                     |               |             |                   |              |                 | \$422,719             |             |
| Padilla, l                         | Pamela  |                        |                                    |                     |               |             |                   |              |                 |                       |             |
| Padilla, P.                        | . , PI; Dzialowski, E. , Co-PI; Biologi   | cal Sciences; Slaught  | ter, L. , Co-PI; Cisneros, C       | G., Co-PI; Wang,    | H. , Co-PI;   | Chemistr    | y                 |              |                 |                       |             |
| 18-0029<br>Proposal:<br>New        | IGE: Cores for Scientific Success in<br>Biological Sciences and Chemistry   | Instruction            | National Science Foundation        | on - Federal        | PI            | 8/1/2018    | 2.91              | 48.50%       | 24%             | \$120,000             | Pending     |
|                                    |   | Totals for             | Padilla, Pamela                    |                     |               |             |                   |              |                 | \$120,000             |             |
|                                    |   | Totals for             | <b>Biological Sciences</b>         |                     |               |             |                   |              |                 | \$760,944             |             |
| Chemistr                           | y   |                        |                                    |                     |               |             |                   |              |                 |                       |             |
| Acree, W                           | Villiam   |                        |                                    |                     |               |             |                   |              |                 |                       |             |
| Acree, W.<br>Co-PI; Mc             | , Co-PI; Chemistry; Hughes, L. , PI; I  | Biological Sciences; I | Lin, Y., Co-PI; Physics; L         | in, Y. , Co-PI; Ele | ectrical Engi | neering; (  | Champlin, S.      | , Co-PI; Ja  | ournalism; Widn | ner, S.,              |             |
| 18-0049<br>Proposal:               | UNT Inclusive Excellence Program  | Instruction            | Howard Hughes Medical<br>Institute | Not for Profit      | Co-PI         | 9/1/2018    | 4.91              | 0.00%        | 10%             | \$93,938              | Pending     |
| Resubmissi                         | 0   | Totals for             | Acree, William                     |                     |               |             |                   |              |                 | \$93,938              |             |
| Cisneros                           | , G. Andres   |                        |                                    |                     |               |             |                   |              |                 |                       |             |
|                                    | G. , Co-PI; Slaughter, L. , Co-PI; Wa   | ng, H. , Co-PI; Chem   | nistry; Padilla, P. , PI; Dzi      | ialowski, E. , Co-F | PI; Biologica | ıl Science. | S                 |              |                 |                       |             |
| 18-0029<br>Proposal:<br>New        | IGE: Cores for Scientific Success in<br>Biological Sciences and Chemistry   | Instruction            | National Science Foundation NSF    | on - Federal        | Co-PI         | 8/1/2018    | 2.91              | 48.50%       | 19%             | \$95,000              | Pending     |
|                                    |   | Totals for             | Cisneros, G. Andres                |                     |               |             |                   |              |                 | \$95,000              |             |
| D'souza,                           | Francis   |                        |                                    |                     |               |             |                   |              |                 |                       |             |
| D'souza, F                         | F., PI; Chemistry; D'souza, F., Co-PI   | ; Materials Science o  | & Engineering                      |                     |               |             |                   |              |                 |                       |             |
| 17-0655<br>Proposal:<br>New        | Nanocarbon-Sensitizer Hybrids for Ligh<br>Energy Harvesting: Generation of High<br>Energy Charge Separated States, and<br>Engaging Near-Infrared and Triplet<br>Sensitizers | t Research - Basic     | National Science Foundation        | on - Federal        | PI            | 6/1/2018    | 2.91              | 48.50%       | 80%             | \$355,926             | Pending     |
|                                    |   | Totals for             | D'souza, Francis                   |                     |               |             |                   |              |                 | \$355,926             |             |

| File<br>Number              | Title   | Category         | Sponsor                            | Sponsor<br>Type    | PI /<br>Co-PI |            | Duration in Years | FA<br>Rate % | Recognition % | Distribution<br>Amount | n<br>Status |
|-----------------------------|---|------------------|------------------------------------|--------------------|---------------|------------|-------------------|--------------|---------------|------------------------|-------------|
| Kelber, J                   | effry   |                  |                                    |                    |               |            |                   |              |               |                        |             |
| 18-0037<br>Proposal:<br>New | GOALI: Collaborative Research:<br>Controlled Nanoscale Nucleation of<br>Complex Oxides for Electronics,<br>Photonics, Catalysis, and Energy<br>Applications | Research - Basic | National Science Foundation<br>NSF | ı - Federal        | PI            | 6/1/2018   | 2.91              | 48.50%       | 100%          | \$278,840              | Pending     |
| 18-0042<br>Proposal:<br>New | Collaborative Research: Spintronic Devices without Spin Injecton  | Research - Basic | National Science Foundation<br>NSF | n - Federal        | PI            | 6/15/2018  | 3                 | 48.50%       | 100%          | \$79,016               | Pending     |
|                             |   | Totals for       | Kelber, Jeffry                     |                    |               |            |                   |              |               | \$357,856              |             |
| Omary, N                    | Mohammad  |                  |                                    |                    |               |            |                   |              |               |                        |             |
| 18-0127<br>Proposal:<br>New | Macromolecular, Supramolecular and/or<br>Nanomolecular Photophysics and<br>Photochemistry of d10 and d8 Complexes   | Research - Basic | National Science Foundation<br>NSF | ı - Federal        | PΙ            | 7/1/2018   | 2.91              | 48.50%       | 100%          | \$484,384              | Pending     |
|                             |   | Totals for       | Omary, Mohammad                    |                    |               |            |                   |              |               | \$484,384              |             |
| Slaughter                   | r, Legrande   |                  |                                    |                    |               |            |                   |              |               |                        |             |
| Slaughter,                  | L., Co-PI; Cisneros, G., Co-PI; Wang,   | H., Co-PI; Chem  | nistry; Padilla, P. , PI; Dzid     | ılowski, E. , Co-H | PI; Biologica | l Sciences | •                 |              |               |                        |             |
| 18-0029<br>Proposal:<br>New | IGE: Cores for Scientific Success in<br>Biological Sciences and Chemistry   | Instruction      | National Science Foundation<br>NSF | n - Federal        | Co-PI         | 8/1/2018   | 2.91              | 48.50%       | 19%           | \$95,000               | Pending     |
| 18-0044<br>Proposal:<br>New | Dipolar/Quadrupolar Ligands for<br>Electrostatic Control of Catalyst Activity<br>and Regioselectivity   | Research - Basic | National Science Foundation<br>NSF | ı - Federal        | PΙ            | 8/1/2018   | 2.91              | 48.50%       | 100%          | \$413,205              | Withdrawn   |
|                             |   | Totals for       | Slaughter, Legrande                |                    |               |            |                   |              |               | \$508,205              |             |
| Wang, H                     | ong   |                  |                                    |                    |               |            |                   |              |               |                        |             |
| Wang, H.,                   | Co-PI; Slaughter, L., Co-PI; Cisneros,  | G., Co-PI; Chem  | nistry; Padilla, P. , PI; Dzid     | ulowski, E. , Co-H | PI; Biologica | l Sciences | •                 |              |               |                        |             |
| 18-0029<br>Proposal:<br>New | IGE: Cores for Scientific Success in<br>Biological Sciences and Chemistry   | Instruction      | National Science Foundation<br>NSF | ı - Federal        | Co-PI         | 8/1/2018   | 2.91              | 48.50%       | 19%           | \$95,000               | Pending     |

| File<br>Number              | Title  | Category         | Sponsor                              | Sponsor<br>Type              | PI /<br>Co-PI |           | Duration in Years | FA<br>Rate % | Recognition % | Distributio<br>Amount | n<br>Status |
|-----------------------------|--|------------------|--------------------------------------|------------------------------|---------------|-----------|-------------------|--------------|---------------|-----------------------|-------------|
|                             |  | Totals for       | Wang, Hong                           |                              |               |           |                   |              |               | \$95,000              |             |
| Xia, Zhe                    | nhai   |                  |                                      |                              |               |           |                   |              |               |                       |             |
| Xia, Z., C                  | o-PI; Chemistry; Mukherjee, S. , PI; Xia,  | Z., Co-PI; Mate  | rials Science & Engin                | eering                       |               |           |                   |              |               |                       |             |
| 18-0081<br>Proposal:<br>New | GOALI: Rapid environmental remediation by catalytic amorphous metals   | Research - Basic | National Science Foun<br>NSF         | dation - Federal             | Co-PI         | 7/1/2018  | 2.91              | 48.50%       | 4%            | \$13,200              | Pending     |
|                             |  | Totals for       | Xia, Zhenhai                         |                              |               |           |                   |              |               | \$13,200              |             |
|                             |  | Totals for       | Chemistry                            |                              |               |           |                   |              |               | \$2,003,509           |             |
| Mathema                     | ntics  |                  |                                      |                              |               |           |                   |              |               |                       |             |
| Gao, Su                     |  |                  |                                      |                              |               |           |                   |              |               |                       |             |
| Gao, S., F                  | PI; Jackson, S., Co-PI; Mathematics  |                  |                                      |                              |               |           |                   |              |               |                       |             |
| 17-0686<br>Proposal:<br>New | Descriptive Dynamics and Borel<br>Combinatorics of Group Actions   | Research - Basic | National Science Foun<br>NSF         | dation - Federal             | PI            | 6/1/2018  | 2.91              | 48.50%       | 50%           | \$282,742             | Pending     |
|                             |  | Totals for       | Gao, Su                              |                              |               |           |                   |              |               | \$282,742             |             |
| Jackson,                    | Stephen  |                  |                                      |                              |               |           |                   |              |               |                       |             |
| Jackson, S                  | ., Co-PI; Gao, S., PI; Mathematics   |                  |                                      |                              |               |           |                   |              |               |                       |             |
| 17-0686<br>Proposal:<br>New | Descriptive Dynamics and Borel<br>Combinatorics of Group Actions   | Research - Basic | National Science Foun<br>NSF         | dation - Federal             | Co-PI         | 6/1/2018  | 2.91              | 48.50%       | 50%           | \$282,742             | Pending     |
|                             |  | Totals for       | Jackson, Stephen                     |                              |               |           |                   |              |               | \$282,742             |             |
| Wang, X                     | uexia  |                  |                                      |                              |               |           |                   |              |               |                       |             |
| 18-0034<br>Proposal:<br>New | Frailty Phenotype in Blood or Marrow<br>Transplant (BMT) Survivors - prevalence,<br>predictors and subsequent morbidity and<br>mortality using the BMT Survivors Study-<br>2 (BMTSS-2) | Research - Basic | The University of Alab<br>Birmingham | oama at Federal Flow<br>Thru | PI            | 7/1/2018  | 4.91              | 48.50%       | 100%          | \$203,659             | Pending     |
| 18-0094<br>Proposal:<br>New | Risk prediction for anthracycline-related cardiomyopathy   | Research - Basic | National Institutes of F<br>NIH      | Health - Federal             | PI            | 10/1/2018 | 3 2.91            | 48.50%       | 100%          | \$466,708             | Pending     |

| File<br>Number              | Title  | Category           | Sponsor                                   | Sponsor<br>Type               | PI /<br>Co-PI |            | Duration in Years | FA<br>Rate % | Recognition %   | Distributio<br>Amount | n<br>Status |
|-----------------------------|--|--------------------|---|-------------------------------|---------------|------------|-------------------|--------------|-----------------|-----------------------|-------------|
| 18-0124<br>Proposal:<br>New | The Who and Why of Anthracycline-<br>related Cardiotoxicity in Childhood<br>Cancer Survivors | Research - Basic   | The University of Alabama a<br>Birmingham | t Not for Profit<br>Flow Thru | PI            | 7/1/2018   | 2.91              | 11.10%       | 100%            | \$33,330              | Pending     |
|                             |  | Totals for         | Wang, Xuexia                              |                               |               |            |                   |              |                 | \$703,697             |             |
| Widmer,                     | Steven   |                    |   |                               |               |            |                   |              |                 |                       |             |
| Widmer, S.<br>Co-PI; Jou    | , Co-PI; Mathematics; Hughes, L. , PI; urnalism  | Biological Science | es; Lin, Y., Co-PI; Physics               | ; Lin, Y., Co-PI;             | Electrical E  | Engineerin | ng; Acree, W.     | , Co-PI; C   | Chemistry; Chan | uplin, S.,            |             |
| 18-0049<br>Proposal:        | UNT Inclusive Excellence Program   | Instruction        | Howard Hughes Medical<br>Institute        | Not for Profit                | Co-PI         | 9/1/2018   | 4.91              | 0.00%        | 25%             | \$234,844             | Pending     |
| Resubmissio                 | 0  | Totals for         | Widmer, Steven                            |                               |               |            |                   |              |                 | \$234,844             |             |
|                             |  | Totals for         | Mathematics                               |                               |               |            |                   |              |                 | \$1,504,025           |             |
| Physics                     |  |                    |   |                               |               |            |                   |              |                 |                       |             |
| Drachev,                    | Vladimir   |                    |   |                               |               |            |                   |              |                 |                       |             |
| Drachev, V                  | V. , Co-PI; Krokhin, A. , PI; Philipose, U   | , Co-PI; Physics   |   |                               |               |            |                   |              |                 |                       |             |
| 18-0104<br>Proposal:<br>New | Surface plasmon at real interface: effects of the transition layer                           | Research - Basic   | National Science Foundation<br>NSF        | - Federal                     | Co-PI         | 9/1/2018   | 2.91              | 48.50%       | 33.33%          | \$150,355             | Pending     |
|                             |  | Totals for         | Drachev, Vladimir                         |                               |               |            |                   |              |                 | \$150,355             |             |
| Grigolini                   | , Paolo  |                    |   |                               |               |            |                   |              |                 |                       |             |
| 18-0114<br>Proposal:<br>New | Self-organization of social systems  | Research - Basic   | Army Research Office - ARC                | ) Federal                     | PI            | 2/1/2018   | 2.91              | 48.50%       | 100%            | \$419,905             | Pending     |
|                             |  | Totals for         | Grigolini, Paolo                          |                               |               |            |                   |              |                 | \$419,905             |             |
| Krokhin,                    | Arkadii  |                    |   |                               |               |            |                   |              |                 |                       |             |
| Krokhin, A                  | , PI; Drachev, V. , Co-PI; Philipose, U  | ., Co-PI; Physics  |   |                               |               |            |                   |              |                 |                       |             |
| 18-0104<br>Proposal:<br>New | Surface plasmon at real interface: effects of the transition layer                           | Research - Basic   | National Science Foundation<br>NSF        | - Federal                     | PI            | 9/1/2018   | 2.91              | 48.50%       | 33.34%          | \$150,400             | Pending     |
|                             |  | Totals for         | Krokhin, Arkadii                          |                               |               |            |                   |              |                 | \$150,400             |             |

| File<br>Number                       | Title   | Category              | Sponsor                               | Sponsor<br>Type      | PI /<br>Co-PI |             | Duration in Years | FA<br>Rate % | Recognition 1   | Distribution<br>Amount | n<br>Status |
|--------------------------------------|---|-----------------------|---------------------------------------|----------------------|---------------|-------------|-------------------|--------------|-----------------|------------------------|-------------|
| Lin, Yua                             | nkun  |                       |                                       |                      |               |             |                   |              |                 |                        |             |
| Lin, Y. , Co<br>Co-PI; Ma            | o-PI; Physics; Hughes, L. , PI; Biologica<br>thematics  | l Sciences; Lin, Y    | ., Co-PI; Electrical Enginee          | ring; Acree, W.      | , Co-PI; Ch   | nemistry; ( | Champlin, S.      | , Co-PI; Jo  | ournalism; Widm | er, S. ,               |             |
| 18-0049<br>Proposal:<br>Resubmission | UNT Inclusive Excellence Program  | Instruction           | Howard Hughes Medical<br>Institute    | Not for Profit       | Co-PI         | 9/1/2018    | 4.91              | 0.00%        | 7.5%            | \$70,453               | Pending     |
|                                      | ; Philipose, U. , Co-PI; Physics; Lin, Y.   | , Co-PI; Electrica    | l Engineering                         |                      |               |             |                   |              |                 |                        |             |
| 18-0058<br>Proposal:<br>New          | Extraordinary photo management using future generation graded photonic supercrystals                              | Research -<br>Applied | National Science Foundation - NSF     | Federal              | PI            | 7/1/2018    | 2.91              | 48.50%       | 45%             | \$192,158              | Pending     |
| Lin, Y., PI                          | ; Physics; Lin, Y. , Co-PI; Electrical Eng  | gineering             |                                       |                      |               |             |                   |              |                 |                        |             |
| 18-0060<br>Proposal:<br>New          | Switchable photoluminescence from dyes in nanopores   | Research - Basic      | University of Texas at San<br>Antonio | Federal Flow<br>Thru | PI            | 7/1/2018    | 2.91              | 48.50%       | 75%             | \$162,357              | Pending     |
|                                      |   | Totals for            | Lin, Yuankun                          |                      |               |             |                   |              |                 | \$424,968              |             |
| Ordonez,                             | Carlos  |                       |                                       |                      |               |             |                   |              |                 |                        |             |
| 18-0100<br>Proposal:<br>New          | Equilibria of Two Relaxed Plasma<br>Species With One Species Confined by<br>the Space Charge of the Other Species | Research - Basic      | National Science Foundation -<br>NSF  | Federal              | PI            | 9/1/2018    | 2.91              | 48.50%       | 100%            | \$186,001              | Pending     |
|                                      |   | Totals for            | Ordonez, Carlos                       |                      |               |             |                   |              |                 | \$186,001              |             |
| Philipose                            | , Usha  |                       |                                       |                      |               |             |                   |              |                 |                        |             |
| Philipose,                           | U., Co-PI; Lin, Y., PI; Physics; Lin, Y.  | , Co-PI; Electrica    | l Engineering                         |                      |               |             |                   |              |                 |                        |             |
| 18-0058<br>Proposal:<br>New          | Extraordinary photo management using future generation graded photonic supercrystals                              | Research -<br>Applied | National Science Foundation -<br>NSF  | Federal              | Co-PI         | 7/1/2018    | 2.91              | 48.50%       | 40%             | \$170,807              | Pending     |
| Philipose,                           | U., Co-PI; Krokhin, A., PI; Drachev, V  | ., Co-PI; Physics     |                                       |                      |               |             |                   |              |                 |                        |             |
| 18-0104<br>Proposal:<br>New          | Surface plasmon at real interface: effects of the transition layer  | Research - Basic      | National Science Foundation - NSF     | Federal              | Co-PI         | 9/1/2018    | 2.91              | 48.50%       | 33.33%          | \$150,355              | Pending     |
|                                      |   | Totals for            | Philipose, Usha                       |                      |               |             |                   |              |                 | \$321,162              |             |

| File<br>Number                       | Title  | Category          | Sponsor                            | Sponsor<br>Type        | PI /<br>Co-PI  |              | Duration in Years | FA<br>Rate % | Recognition %  | Distributio<br>Amount | on<br>Status |
|--------------------------------------|--|-------------------|------------------------------------|------------------------|----------------|--------------|-------------------|--------------|----------------|-----------------------|--------------|
| Rostovtse                            | ev, Yuri   |                   |                                    |                        |                |              |                   |              |                |                       |              |
| 18-0068<br>Proposal:<br>New          | Collaborative Research: Quantum control of ultracold Rydberg atoms by chirped pulses and frequency combs | Research - Basic  | National Science Foundat<br>NSF    | tion - Federal         | PΙ             | 6/30/2018    | 3                 | 48.50%       | 100%           | \$168,644             | Pending      |
|                                      |  | Totals for        | Rostovtsev, Yuri                   |                        |                |              |                   |              |                | \$168,644             |              |
|                                      |  | Totals for        | Physics                            |                        |                |              |                   |              |                | \$1,821,436           |              |
|                                      |  | Totals for        | College of Science                 |                        |                |              |                   |              |                | \$6,089,915           |              |
| Mayborn                              | School of Journalism   |                   |                                    |                        |                |              |                   |              |                |                       |              |
| Journalis                            | m  |                   |                                    |                        |                |              |                   |              |                |                       |              |
| Champlin,<br>Champlin,<br>Co-PI; Ma  | S., Co-PI; Journalism; Hughes, L., PI;   | Biological Scienc | es; Lin, Y. , Co-PI; Phys          | sics; Lin, Y. , Co-PI, | ; Electrical I | Engineeri    | ng; Acree, W      | ., Co-PI; (  | Chemistry; Wid | mer, S. ,             |              |
| 18-0049<br>Proposal:<br>Resubmission | UNT Inclusive Excellence Program   | Instruction       | Howard Hughes Medical<br>Institute | Not for Profit         | Co-PI          | 9/1/2018     | 4.91              | 0.00%        | 10%            | \$93,938              | Pending      |
|                                      |  | Totals for        | Champlin, Sara                     |                        |                |              |                   |              |                | \$93,938              |              |
|                                      |  | Totals for        | Journalism                         |                        |                |              |                   |              |                | \$93,938              |              |
|                                      |  | Totals for        | Mayborn School of J                | Journalism             |                |              |                   |              |                | \$93,938              |              |
|                                      | & Innovation   |                   |                                    |                        |                |              |                   |              |                |                       |              |
| Advanced                             | l Environmental Research Institute   | (AERI)            |                                    |                        |                |              |                   |              |                |                       |              |
| O'Neill, N                           | Martin   |                   |                                    |                        |                |              |                   |              |                |                       |              |
|                                      | . , Co-PI; O'Neill, M. , Co-PI; Advanced<br>: Geography  | Environmental R   | esearch Institute (AERI);          | ; Mikler, A. , PI; Ra  | misetty-Mikl   | ler, S. , Co | o-PI; Compu       | ter Science  | & Engineering  | ; Tiwari,             |              |
| 18-0039<br>Proposal:<br>Resubmission | Minimizing Access Disparities in Bio-<br>Emergency Response Planning                                     | Research - Basic  | National Institutes of Hea<br>NIH  | lth - Federal          | Co-PI          | 4/1/2018     | 3.91              | 48.50%       | 15%            | \$216,036             | Pending      |
|                                      | . , Co-PI; O'Neill, M. , Co-PI; Advanced<br>Geography  | Environmental R   | esearch Institute (AERI);          | ; Mikler, A. , PI; Ra  | misetty-Miki   | ler, S. , Co | o-PI; Compu       | ter Science  | & Engineering  | ; Tiwari,             |              |
| 18-0039<br>Proposal:<br>Resubmission | Minimizing Access Disparities in Bio-<br>Emergency Response Planning                                     | Research - Basic  | National Institutes of Hea<br>NIH  | lth - Federal          | Co-PI          | 4/1/2018     | 3.91              | 48.50%       | 15%            | \$216,036             | Pending      |
|                                      |  | Totals for        | O'Neill, Martin                    |                        |                |              |                   |              |                | \$432,073             |              |
|                                      |  | Totals for        | Advanced Environm                  | ental Research Instit  | ute (AERI)     |              |                   |              |                | \$432,073             |              |
|                                      |  |                   |                                    |                        |                |              |                   |              |                |                       |              |

| File<br>Number | Title | Category   | Sponsor               | Sponsor<br>Type | PI /<br>Co-PI | Start<br>Date | Duration in Years | FA<br>Rate % | Recognition % |              | Status |
|----------------|-------|------------|-----------------------|-----------------|---------------|---------------|-------------------|--------------|---------------|--------------|--------|
|                |       | Totals for | Research & Innovation | n               |               |               |                   |              |               | \$432,073    |        |
|                |       | Totals for | UNT                   |                 |               |               |                   |              |               | \$26,722,851 |        |
|                |       | Totals fo  | r October FY2018      | :               |               |               |                   |              | \$2           | 6,722,851    |        |