



THE CMBB QUARTERLY NEWSLETTER

Issue 11 , July 2001

CMBB STAFF:

Sanya Springfield, Ph.D., Chief
H. Nelson Aguila, DVM, Program Director
Ms. Bobby Rosenfeld, Senior Program Analyst
Ms. LaShell Gaskins, Program Assistant

WELCOME

The CMBB would like to welcome **Dr. Nelson Aguila** to our staff as a Program Director. Dr. Aguila comes to us from the Food and Drug Administration (FDA) where he was a Toxicologist in the Division of Human Food Safety, Office of New Animal Drug Evaluation, Center for Veterinary Medicine. He received a Doctoral of Veterinary Medicine (DVM) from Austral University of Chile and completed postdoctoral training at U.T Southwestern Medical Center at Dallas in neurobiology and endocrinology. He has published over twenty manuscripts and has expertise with *in vivo* and *in vitro* models in neurobiology and oncology. He has also been a co-investigator on a VA Merit Award and the recipient of a Supplement for Underrepresented Minorities from NINDS.

CONGRATULATIONS

Our CONGRATULATIONS Column takes first place in our newsletter this month because there are so many good things to tell you about.

First, Congratulations to **Dr. Jasjit Ahluwalia**, University of Kansas, one of our

Principal Investigators with a track record for mentoring, who received the first Mentor of the Year Award from the Society for Behavioral Medicine.

Congratulations to **Dr. Maria Hernandez**, M.D. Anderson Cancer Center, a minority supplement recipient, on her book chapter "The Impact of Cancer in African-Americans." It will appear in the book "Health in the African-American Community." Maria also presented at the Institute of Medicine "Gene-Environment Roundtable" and she has also started reviewing manuscripts for publication in "Environmental Perspectives Journal." She is also writing her K01 and we wish her well in that endeavor.

Congratulations to **Dr. Eduardo Sotomayor**, Moffitt Cancer Center, on receiving his R01 grant. He claims that the support from his K08 enabled him to publish different papers (eight papers in two years) as well as generate enough data to write the R01.

Congratulations to **Dr. Miguel Villalona**, Ohio State University, on being appointed to the Admissions and Operating Committee for the MD/PhD program at Ohio State. He

will also be in charge of minority recruitment for the program. Miguel is interested in either formal or informal relations - he can be reached at 614-293-7511.

Congratulations to **Dr. Marta Torroella**, University of Miami, on receiving her first grant, an American Cancer Society Institutional Research Grant entitled "Molecular Mechanisms Involved in the Impaired Production of IL-12 and its Receptor in Tumor Bearing Animals." Marta is also working on submitting her K01 and we wish her well in that endeavor.

Congratulations to **Miguel Salazar**, University of Texas, who, with the two students who are working with him on his K01 grant, recently got a paper accepted in the Journal of the American Chemical Society. They also have an oral presentation and two posters submitted to the American Chemical Society meeting in Chicago in August.

Congratulations to **Dr. Okot Nyormoi**, M.D. Anderson Cancer Center, on having his manuscript entitled "Transcription Factor AP-2 is Preferentially Cleaved by Caspase-6 and Degraded by Proteasome during TNF-Induced Apoptosis in Breast Cancer Cells" accepted by the Journal of Molecular and Cellular Biology.

Congratulations to **Dr. Alex Adjei**, Mayo Clinic, on being awarded his first independent grant, a Research Scholar Grant by the American Cancer Society.

Congratulations to **Dr. Manuel Penichet**, University of California Los Angeles, on receiving the Amgen Award for 2001 for excellent research accomplishments while studying the development and testing of recombinant antibody fusion proteins for possible use as antitumor agents. The award was supported by donations from the Nobel Laureate Dr. Paul Boyer, the Parvin Foundation and the Amgen Corporation. Only one award is given per year.

And last, but certainly not least -

Congratulations to **Ms. Angela Morris**, now attending Xavier University and planning to graduate in 2002 and go on to medical school and obtain an MD/PhD degree. Angela was part of a CURE P30 supplement at Northwestern University for two summers and was recently named for a supplement application at Northwestern. She states that the CURE program gave her the opportunity to work side by side with fellow lab technicians on their projects and she was given the opportunity to start a plasmid and tissue culture database. The second summer allowed her to shadow a clinical oncologist once a week as well as shadow two fellows, thus enabling her to see how a doctor uses work ethics and how they teach students. That experience made her more interested in wanting to know more about cancer and what can be done to eliminate it. It is wonderful to see someone take that next step toward a career in cancer research. Angela, you are a role model for other P30 **CURE** students to emulate.

Some further information on some of our **CURE** P30 supplement recipients at the M.D. Anderson Cancer Center.

Uel Alexis, on the basis of his performance in his assigned research project and his continued interest in a career in oncology, was offered a research position at the Cancer Center for the summer of 2001.

Eric Cherng began his freshman year at the University of California Los Angeles where he is interested in pursuing a career in the medical sciences and during the past year has been working in a research laboratory in the Pediatrics Department at UCLA.

Jonathan Mussett began his freshman year at Stanford University. During the summer of 2001 he is participating in a National Youth Leadership Forum on Medicine in China.

Charles Park began his freshman year at Washington University where he is majoring in the biological sciences in preparation for

a career in medicine.

Crystal Acevedo has continued her interest in a career in medicine by serving as a preceptor in a pediatrician's office. During the summer of 2001 she will attend a medical school "boot camp" at the University of Texas Health Science Center at San Antonio where she will have an opportunity to observe, first hand, the life of a medical student.

Tiffany Glover completed her sophomore year at Texas A&M University and will return to the CURE program at MDACC for the summer of 2001.

Quianita Hodge returned to Cornell University to complete her junior year. She is interested in pursuing a career in medicine and is currently completing a degree in the biomedical sciences.

Congratulations to you all. You certainly seem on the right track for a successful career in cancer research. Keep up the good work..

PROFESSIONAL DEVELOPMENT AND PEER REVIEW WORKSHOP

Our annual workshop was held in Gaithersburg, MD from June 4-6. Approximately 60 graduate students, pre-doctoral fellows, post-doctoral fellows and junior faculty supplement recipients and a number of our career development awardees attended. It was a very busy three days and seemed to be enjoyed by all, as attested to by the number of wonderful letters and e-mails we've received. Excerpts from those letters are shown below:

Dr. Felix Okah, University of Kansas, writes "I want to thank you for your commitment to the development of minority faculty and for investing in our development with the recently concluded workshops. Prior to attending the workshop the process of grant application and career development was beginning to look like a complex maze I wasn't sure I could navigate." He goes on to

say that he returned home not only determined to succeed in research, but also to become a proactive mentor for others when the opportunity presents itself.

Mr. John Mkandawire, State University of Virginia, wrote to express his gratitude for the invitation to attend the workshop and found it "informative, insightful and stimulating".

Dr. Rhonda Moore, M.D. Anderson Cancer Center, states that the workshop was "simply awesome" and she learned so much that will be helpful in her career as a researcher in Cancer Prevention and Control. She also says that observing the Mock Review has helped her with her resubmission of her K07 application.

Dr. Kimberly Davis, Evanston Northwestern Healthcare Research Institute, writes "It was a wonderful experience to gather and see so many bright and gifted researchers in science. This is a wonderful program and I am very excited to be a part of it and want to do my part to see it grow and expand."

Dr. Miguel Berrios, State University of New York at Stony Brook, tells us that the workshop was both an informative and rewarding experience.

Dr. Harold Saavedra, Ohio State University, wrote to thank us for putting together the workshop. He said it was very helpful, especially the networking with more senior people that have already been through the process of professorship and funding in general. He hopes to be in a position to mentor people more junior than he is in the future.

Dr. J. Manuel Perez, Massachusetts General Hospital and Harvard Medical School, also wrote to thank us for three most informative days. He says he really enjoyed meeting the staff from the different NCI program divisions and learned a lot about the way the NCI works. Most importantly, he says he now knows where and how to get the information he needs

about the NCI when he needs it. Dr. Perez goes on to say that he is already thinking about his next step, either a K01 or R01 (if his tenure as a postdoctoral fellow ends up as productive as he hopes). The mock study section was worthwhile, informative and enjoyable. His level of enthusiasm for the workshop is Outstanding (1.0).

James Butler, University of Kansas Medical Center writes that he now sees that there are research opportunities for minority junior faculty/postdoctoral fellows. He says that the CMBB staff is to be “commended for doing an outstanding job of putting on a fine program/workshop.” The workshop provided clear directives and instruction about research in general, the grants writing and review process, and the importance of mentoring one another without having to ask one question. He goes on to say that he has begun to explore the “K” career development awards as his next step.

Mary Ballestas, Brigham and Women’s Hospital, Harvard University, wrote to thank us for the opportunity to once again participate in the workshop. She says she “not only learns a lot but comes away very charged and full of energy being around so many people that are so enthusiastic about what they are doing.”

Miriam Bucheli, The State University of New Jersey, Rutgers, one of the few graduate students who took advantage of our invitation to attend our workshop, writes to thank us for inviting her. She says that for a person like her, who is close to a career transition, the information was invaluable. The meeting’s agenda was well thought out and the material was organized and presented clearly and thoroughly.

Ekwere Ifon, Georgetown University, say congratulations to the CMBB team for the huge success of the recent workshop. He goes on to say that it gave him the rare opportunity of interacting “one-on-one” with Directors, Administrative Officers, and Investigators from the NCI as well as providing a forum for exchange of ideas and networking with other minority investigators.

Sharita Womack, Roswell Park Cancer Institute, writes to thank us for inviting her to participate in the workshop. She says that as a result of the two-day workshop and the massive amount of reading material she received, she has developed a stronger understanding of the NIH/NCI grant review process. The workshop helped her restructure her career development plans. She now plans to apply for a career development award in the near future. Good luck, Sharita.

Thais Mather, Brown University, also writes to say that she found the workshop fun, informative and “another overall good experience.” She is currently in the process of deciding to either write an R01 or a K22. Her mentor thinks she has a good chance at an R01. She has also been offered a position as a senior research scientist at a drug company. She goes on to say that “none of the opportunities now coming her way would be open to her without the encouragement, support, and dedication obtained from the NCI Comprehensive Minority Biomedical Branch and **CURE** program.” She believes that her first supplement and then the funding of her K01 enabled her to pursue her scientific ideas and growing independence. Thank you, Thais, for being the success that you are.

Sarki Abdulkadir, University of Alabama, Birmingham, writes to thank and congratulate the staff of the CMBB for a wonderful workshop. “It has been tremendously helpful in de-mystifying the grant review process for me.” Sarki also gets congratulations from us for being awarded a Howard Hughes Junior Faculty Development Award at UAB and for having a paper published in Nature Medicine from his K08 funded work.

And from **Dr. Juan Melendez**, Albany Medical College, our featured luncheon speaker: “I just wanted to thank you and your staff for the opportunity to speak at the Professional Development Workshop. I really enjoyed my interactions with the many awardees following my lunch seminar. Once again, thank you for this

wonderful opportunity to discuss what I think it takes to succeed in cancer research and promote my work.”

Finally, we asked a couple of the participants if they would be good enough to write a short article with their impressions of our efforts. Below is one of the articles:

Manuel L. Penichet. UCLA.

“Below are my impressions of the "Professional Development and Peer Review Workshop" held at the Gaithersburg Marriott, Washingtonian Center, Gaithersburg Maryland on June 4-6, 2001.

I was one of the privileged junior investigators invited to attend the workshop which was sponsored by the Comprehensive Minority Biomedical Branch (CMBB) of the National Cancer Institute (NCI). I think the adjective "privileged" is well justified because this workshop was very unique and helpful to students as well as to postdoctoral and junior investigators. Why was I so privileged?, because in contrast to many cancer related workshops which mainly focus on the basic and technical aspects of cancer research, the "Professional Development and Peer Review Workshop" focused on a different aspect that is just as important as the cancer research itself: the pathways and funding opportunities that young scientists can use in academia to become fully independent investigators.

On the first day, I enjoyed the talks of Dr. Springfield and Ms. Rosenfeld about how the Comprehensive Minority Biomedical Branch of the NCI works as well as the different mechanisms for funding available to minority students and postdoctoral and junior investigators, at both the individual and institutional levels. I also enjoyed the discussions by Dr. Melendez and Dr. Johnson about ways to succeed in cancer research.

Particularly interesting was the tour of the National Library of Medicine, which was a new experience for me and other attendees. There I learned how the biggest medical library in the world works and I found (and learned to use) a clinical trial database which will be useful in my projects.

In addition, the poster section and the reception provided me with the opportunity to interact with other investigators and for "networking".

On the second day I met with the chiefs and program directors of the different branches of the NCI. During these sessions I learned about the road "from application to award" and about the different NCI divisions and, more importantly, achieved an understanding of the basis of the funding decision in the case of new investigators. I felt directed by a "compass" pointing me in the direction I should take when I apply for my first R01 application.

The third day was quite different. It was a mock study section for recipients of career development grants and selected observers. As an observer, the mock study section was helpful to me because I learned how the NCI reviews grants.

It is important to emphasize that the whole workshop was highly interactive. I saw a tireless audience asking questions and the speakers answering them, which, from my point of view was a clear sign of a successful workshop. In addition, when there was not enough time to answer all the questions, the speakers were willing to help after the end of the session. As far as I know there were no unanswered questions!

For the reasons stated above, I will describe the "Professional Development and Peer Review Workshop" as a well organized meeting, balanced and priceless. In a world in which becoming a tenured independent professor is an exception rather than a rule and in which investigators belonging to minority groups are highly underrepresented, the "Professional

Development and Peer Review Workshop" provides an important "survival tool" for minority scientists eager to develop a successful career in cancer research.

Finally, I would like to suggest the inclusion of a new talk for future "Professional Development and Peer Review Workshops" about how to negotiate a junior faculty position. Although this important point was addressed in the printed information available at the workshop under the title "Negotiation Tactics and Strategies", its presentation by an expert would be extremely useful for the whole audience, particularly for K01 and K08 recipients."

The entire staff of the CMBB would like to take this opportunity to thank all of the wonderful speakers who gave of their time to enlighten our trainees with their knowledge and for taking the time to stay around for a while after their presentations to speak one-on-one to those who wanted to find out even more.

Jessie Satia, Fred Hutchinson Cancer Research Center, summarized the Mock Study Session as follows:

The Mock Grant Review session started with Dr. Springfield presenting an overview of the grant review process. In brief, Dr. Springfield stated that each grant goes through a dual level of review. First, there is an initial review at the NIH before the grant is sent out for anonymous peer-review. Next, two reviewers, a primary and secondary reviewer, review each grant.

During the mock review session, each grant was reviewed separately. Only K01 awardees participated in the review process, but there were 15-20 observers in the room. Before each grant was discussed, Dr. Springfield asked any one with a conflict of interest (such as same home institution, financial ties, etc.) to leave the room. The primary reviewer presented a critique of the proposal, including the significance, approach, environment, investigator team and innovation. Issues related to human subjects, vertebrate

animals, and budget were also discussed. The secondary reviewer was asked to address issues not mentioned by the primary reviewer. Following the critiques, other members of the grant review session asked questions pertinent to making a decision regarding the priority score for the proposal. After the discussion, all members gave a priority score ranging from 1 (high) to 5 (low) for each grant. The final priority rating was calculated as the mean score from all participants multiplied by 100. Note: A priority score of 100 to 200 is considered in the fundable range.

The mock review session was very and informative and gave a solid overview of the grant review process. As an observer, I learned a lot about how grants are reviewed and funded. In addition, I became better aware of the issues to take into account in order to write a successful grant proposal. I found it to be a very useful and worthwhile experience.

Our thanks also to our contractors, Scientific Consulting Group, Inc., especially **Shirley Banks and Kim Shultz**, for the logistical and organizational efforts. We couldn't do it without them.

Watch for the announcement for next year's workshop - and mark your calendars as soon as we have a date so that you don't miss out on this very worthwhile event.

TECHNICAL ASSISTANCE WORKSHOP

The second Technical Assistance Workshop for the Minority Institution/Cancer Center Partnership (MI/CCP) initiative was held in Phoenix, AZ on May 7th and 8th. Previously funded MI/CCP grant recipients as well as potential applicants attended. The workshop brought researchers and administrators together from across the country for the purpose of learning more about the three grant mechanisms associated with the MI/CCP Program.

The three mechanisms are (1) Planning Grant for Minority Institution/Cancer Center Collaboration, P20; (2) Cooperative

Planning Grant for Comprehensive Minority Institution/Cancer Center Partnership, U56; and (3) Comprehensive Minority Institution/Cancer Center Partnership, U54. These mechanisms were created to support collaboration and partnerships between Minority Serving Institutions and NCI-designated Cancer Centers to increase the involvement of scientists in minority institutions in cancer research, to expand training and career development opportunities for minority scientists and to increase the effectiveness of Cancer Centers in developing collaborative projects and programs that directly address and have the potential to reduce disproportionate cancer disparity incidence and mortality in minority populations.

All the participants obtained the following from the MI/CCP technical workshop: (1) learned about the MI/CCP program initiatives and determined which mechanism is appropriate for them and their institution; (2) learned more about successful pilot experiments between existing partnerships; (3) learned the details of the application process and review criteria for each initiative; (4) discussed other issues about the initiatives; (5) discussed barriers in developing effective collaborations and ways to overcome them; and (6) met and networked with other individuals interested in developing collaborations and partnerships.

Specifically, during day one, participants heard welcoming remarks from Drs. Bailey, Springfield, Kimes. The special guest speaker for the welcoming remark was Dr. Ernest D. Marquez, Chief, MBRS Branch, NIGMS. This session was followed by excellent presentations by Dr. Mark Nelson, Arizona Cancer Center (representing the Cancer Center) and Dr. Tom McPoil, Northern Arizona University (representing the Minority-Serving Institution). Later in the morning and early afternoon, grant recipients of the MI/CCP Program initiatives presented their collaborative projects. Speakers included Drs. Frank Bayliss, John Watson, Reynold E. Lopez, Jeff Krischer, Mona Fouad, Timothy Turner, Renee

Royak-Schlaer, Stephen Lepore, Ken Harewood, Paul Godley Samuel Evans Adunyah and Clifton Meador. Of course, work continued during lunch and Mr. Russell Peek provided an overview on his on-line information agency called Minority Online Information Service (MOLIS). The days' workshop ended with detailed descriptions of the three mechanisms from Drs. Brian Kimes, Eric J. Bailey, and Sanya Springfield. An informal networking session and reception followed and all those who came had a great time.

Day 2 began with overviews of the review criteria of the P20, U56, and U54 from Drs. Bailey and Springfield. Dr. Ray Bramhall, Chief, Special Review and Referral Branch, Division of Extramural Activities, NCI, who expertly explained the details of the review process followed. In conjunction with Dr. Bramhall's presentation on review, the workshop also included comments from grant reviewers. They were Drs. Oscar Streeter, Rena Pasick, and Daisy De Leon. Each presenter provided detailed insight of the review process from his or her perspective.

Afterwards, an excellent Cowboy buffet filled everyone up for the final sessions – the Breakout Networking sessions. The Breakout sessions were divided into new applicants and revised applicants. This was the time for all the participants to ask any questions about the specific initiatives; and they did. The networking sessions went so well that Dr. Springfield decided to adjourn the conference early and encouraged participants to enjoy the Phoenix culture.

Finally, this workshop would not have been accomplished without the excellent planning and organization of the contractor – **Scientific Consulting Group (SCG) – Shirley Banks, Tricia Wallich, and Kim Schultz** and especially the branch's administrator – **LaShell Gaskins**.

POSITIONS AVAILABLE

The Dana-Farber/Harvard Cancer Center and Harvard School of Public Health are

recruiting an Assistant or Associate Professor with experience and expertise in the area of cancer prevention and/or care for members of racial/ethnic minority and underserved populations.

The candidate should have a doctoral level degree and a track record of successful research that addresses determinants and solutions to problems of disparities in cancer incidence, prognosis, and/or care by race/ethnicity. A record of successful funding and publications is sought, particularly for more senior candidates. Active participation in the teaching program at Harvard School of Public Health is expected. Depending on the expertise of the candidate, he/she will be appointed solely or jointly to the Department of Nutrition, Epidemiology, or Health and Social Behavior. Incumbent will also participate in efforts within the DF/HCC system to improve communications, community relationships and community outreach programs. He/she will work with medical staff to increase the referral of racial/ethnic minority patients, and increase their participation in clinical trials.

Application letter, names and contact information of three references and a short research statement should be sent to:

Chair, ad hoc Search Committee, c/o Eleanor Livingston, Department of Nutrition, Harvard School of Public Health, 665 Huntington Avenue, Boston, MA 02115. Application deadline is September 1, 2001.

POST-DOCTORAL POSITION UCLA CENTER FOR CULTURE AND HEALTH

Full-time Post-doctoral position as a Project Coordinator for health-related quality of life studies with breast and cervical cancer survivors in the metropolitan Los Angeles area and surrounding counties. The Project Coordinator will serve as the project manager and data manager. The Project Coordinator will be hired at 100% effort at a salary base of \$35,000 per year. The Coordinator will assist in subject accrual and interviews, and in the development and design of the interview instrument. She /he

will assist the PI in supervising and conducting the data management and entry process.

Additional responsibilities include: community liaison; data management; entry and some analysis; reports and manuscript preparation. Good writing skills and some experience in health-related research essential. Prior community service or field research experience helpful. Some on-the-job training provided.

A reliable car is a requirement: reimbursement for mileage paid monthly. For more information e-mail Kimlin Ashing-Giwa, Ph.D. at kashing@ucla.edu with an attached CV or resume, or call 310-206-1823 or mail a CV or resume to: Kimlin Ashing-Giwa, Ph.D., UCLA Department of Psychiatry and Behavioral Sciences, 760 Westwood Plaza, SBG Box 62, C8-676, Los Angeles, CA 90024-1759.

NORTHERN CALIFORNIA CANCER CENTER (NCCC)

Cancer Control Researcher

The Prevention Sciences Program of the NCCC is seeking an outstanding Research Scientist at the mid-career level to be a part of the Prevention Sciences Program. This program offers a multi-disciplinary research environment with a track record in innovative cancer control research. Current research focuses on the study of community- and clinic-based interventions, and the role of culture and language in survey methods, behavioral theory, and health communication in underserved communities. The rich diversity of the Bay Area has led to the formation of a multi-ethnic research teams, study populations drawn from African Americans, Chinese, Filipino, Latino and Vietnamese communities, and a successful minority training program.

Minimum requirements for the position include a doctoral degree in health behavior, psychology, anthropology, public health or a related field with research expertise in cancer control, a history of peer

reviewed publications, and a record of funded research. Experience with and a demonstrated commitment to research among the underserved are highly desirable. Thorough knowledge of health behavior and intervention research, and outstanding oral and written communication skills are required. Rank will be commensurate with experience.

Interested individuals should send a letter indicating research interests, CV, representative publications, and the names of three references to:

Rena J. Pasick, Dr. P.H., Director,
Preventions Sciences, Northern California
Cancer Center, 32960 Alvarado-Niles Rd.,
Suite 600, Union City, CA 94587-3106
Rpasick@nccc.org

OPPORTUNITIES FOR STUDENTS

Useful Web Sites

Research Supplements for Underrepresented Minorities

<http://grants.nih.gov/grants/guide/pa-files/PA-01-079.html>

Predocutorial Fellowship Awards for Minority Students

<http://grants.nih.gov/grants/guide/pa-files/PA-00-069.html>

M.D.-Ph.D. Programs

<http://www.nih.gov/nigms/funding/mstp.html>

NIH Postbaccalaureate and Summer Internship Programs

<http://www.training.nih.gov>

NIH-Supported Training Programs

<http://silk.nih.gov/public/cbz2rfm.@www.nrsat32.dsnc>

NIH Loan Repayment Program

<http://lrp.info.nih.gov/>

NIH Undergraduate Scholarship Program

<http://ugsp.info.nih.gov/>

Other NIH opportunities

<http://diversity.nih.gov>

Graduate Record Exam (GRE)

<http://www.gre.org>

Medical College Admissions Test (MCAT)

<http://www.aamc.org>

Scholarship Program for Medical Students

<http://www.bphc.hrsa.gov/nhsc/>

Medical School Information

<http://www.geocities.com/premedsource>

Biotechnology/Pharmaceutical Industry

<http://bioview.com>

Anthony A. René, Ph.D.

Assistant Director, NIGMS, NIH,
(301) 594-3833 ra50h@nih.gov

CMBB OPPORTUNITIES

Research Supplements for Underrepresented Minorities

CURE Supplements

✓ NCI Cancer Center (P30)

Supplements for High School and Undergraduate Student Research Experiences

✓ Minority Supplements to the

NCI Cancer Education and Career Development Program (R25T)

✓ Minority Supplements to

Institutional Clinical Oncology Research Development Awards (K12)

✓ Supplements to National

Research Service Awards (T32)

National Research Service Award

✓ NIH Predocutorial Fellowship

Awards for Minority Students (F31)

Career Development Awards

✓ Mentored Career Development
Award for Underrepresented Minorities
(K01)

✓ Mentored Research Scientist
Development Award (K01)

✓ Transition Career Development
Award for Underrepresented Minorities
(K22)

✓ Minorities in Clinical Oncology
(K08)

✓ Mentored Patient-Oriented
Research for Underrepresented
Minorities (K23)

Minority Institution Cancer Center
Program (MI/CCP)

✓ Comprehensive Minority
Institution/Cancer Center Partnership
(U54)

✓ Cooperative Planning Grant for
Comprehensive Minority
Institution/Cancer Center Partnership
(U56)

✓ Planning Grant for Minority
Institution/Cancer Center Collaboration
(P20)

For more information, check our web
page:

<http://deainfo.nci.nih.gov/cmbs.htm>