

**DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
NATIONAL INSTITUTES OF HEALTH
NATIONAL ADVISORY COUNCIL FOR
BIOMEDICAL IMAGING AND BIOENGINEERING
TRAINING AND CAREER DEVELOPMENT SUBCOMMITTEE**

Summary of Meeting
January 27, 2005
4:00 p.m.-5:30 p.m.

The sixth meeting of the Training and Career Development Subcommittee was convened at 4:00 p.m. on January 27, 2005, in Building 31C, 6th Floor Conference Room 6, Bethesda, Maryland. Dr. C. Douglas Maynard served as Chairperson.

Subcommittee members present:

Dr. Linda C. Lucas
Dr. C. Douglas Maynard
Dr. James A. Zagzebski

Subcommittee members not present

Dr. Rebecca R. Richards-Kortum
Dr. Shirley A. Jackson
Dr. Stephen A. Williams

Other Council members present:

Dr. Carlo J. De Luca
Dr. Robert I. Grossman
Dr. Frank C. Yin

Ex officio members present:

Dr. Bruce Hamilton
Dr. James G. Smirniotopoulos
Dr. Andrew Watkins

NIBIB staff present:

Ms. Lillian Ashley	Dr. Brenda Korte
Dr. Prabha Atreya	Mr. Maurice Lee
Dr. Arlene Chiu	Dr. Alan McLaughlin
Ms. Pamela Clatterbuck	Mr. Todd Merchak
Ms. Nancy Curling	Mr. Nicholas Mitrano
Dr. Anthony Dempsey	Dr. Peter Moy
Dr. Bonnie Dunn	Dr. Grace Peng
Ms. Angel Eldridge	Dr. Roderic Pettigrew
Ms. Cheryl Fee	Dr. Belinda Seto

Ms. Shirley Finney	Ms. Theresa Smith
Ms. Tiner Fobbs	Ms. Shana Stepp
Mr. Rajal Ganatra	Ms. Sandra Talley
Dr. David George	Dr. Meredith Temple-O'Connor
Ms. Colleen Guay-Broder	Dr. Carol Torgan
Dr. John Haller	Ms. Florence Turska
Dr. Bill Heetderks	Ms. Stacy Wallick
Ms. Christine Hollingsworth	Dr. Fei Wang
Dr. Christine Kelley	Mr. Elijah Weisberg
Ms. Mary Beth Kester	Dr. Yantian Zhang

NIBIB consultants present:

Dr. Gary H. Glover	Dr. Robert Nerem
Dr. Donald Harrington	Dr. Richard Swaja

Other Federal employees present:

Dr. Lawrence Clark	Dr. Anthony Wolbarst
Dr. Albert Lee	

Members of the public present for portions of the open meeting:

Mr. Robert Atcher, Los Alamos National Library
Mr. Phil Bulman, Equals Three
Ms. Wendy Eichorst, Lewis-Burke Association
Mr. Steven Evangelista, SRI International
Ms. Kerry Groome, Constella Group
Mr. Michael Hamm, Biomedical Engineering Society
Mr. Robert Harris, MasiMax Resources Inc.
Ms. Molly Laas, The Blue Sheet
Mr. Troy Nagle, North Carolina State University
Mr. Ed Nagy, Academy of Radiology Research
Ms. Chris Peterson, SRI International
Ms. Michelle Rodrigues, Academy of Radiology Research
Ms. Gloria Romanelli, American College of Radiology
Mr. Peter Schad, Academy of Radiology Research
Mr. Steve Willis, Pfizer, Inc.
Mr. Jeffrey Young, The Blue Sheet

Report on Training and Career Development: Dr. Meredith Temple-O'Connor

Training and Career Development Portfolio

Since 2002, the NIBIB has continued to receive increasing numbers of applications across different funding mechanisms in the training and career development portfolio. Part of this increase is attributed to the NIBIB's participation in NIH-wide program announcements featuring pre-doctoral and post-doctoral fellowships and career

development awards. It was noted that the NIBIB is still in a growth phase for all training and career development programs. In spite of this, the NIBIB still has a balanced scientific distribution across different portfolios. Institutional training grants continue to be NIBIB's hallmark training program. The NIBIB has not received any applications in response to the Midcareer Investigator Award in Patient Oriented Research (K24) program announcement; however, two have been funded through the NIH Working Group transfer to the NIBIB.

Dr. Temple-O'Connor noted that the success rate of applications was difficult to determine due to shifts in the budget and the increased volume of applications. She estimated that the success rate of applications for FY 2004 was approximately 30 percent across all training and career development mechanisms. Further portfolio analyses will follow as the number of funded grants increases. Council members expressed concern over the low number of career development and training grantees. Dr. Temple-O'Connor explained that this may be due to a lag in time between communicating opportunities to the extramural community and submission of applications from investigators. In addition, many grantees are new to the NIH and unfamiliar with the NIH application process. The NIBIB website has been updated to better communicate these opportunities to the extramural community. Dr. Temple-O'Connor also pointed out that a workgroup has been created to explore training in imaging of the nervous system; the NIBIB is exploring the possibility of co-funding training grants in this area. These efforts, combined with several other outreach activities are aimed at increasing the success rate of career development and training applications at the NIBIB.

NIH/NSF Bioengineering and Bioinformatics Summer Institute

NIBIB continues to participate in the NIH/NSF Bioengineering and Bioinformatics Summer Institute Program (BBSI). The goal of the program is to attract individuals to careers in bioengineering and bioinformatics. There is also interest in increasing participation of underrepresented groups. Dr. Temple-O'Connor provided an overview of the program and some of the successes and challenges that were recently discussed at the annual grantee meeting in December 2004. The NIH and the NSF are currently in discussion regarding the future of this program as there is only 1 year of funding remaining. The NIBIB has taken the lead in actively involving other NIH Institutes and Centers.

Update on Training Needs Assessment

The NIBIB has secured funding to conduct a needs assessment for the Division of Interdisciplinary Training extramural grant programs. The purpose of the evaluation will be to gather baseline information about training in the biomedical imaging and bioengineering fields. Existing databases will be examined to determine the types of training available. After securing the data, a workshop will be convened to review the data and to discuss the types of training and career development programs needed for the NIBIB community. Currently the Division is in the process of putting a contract in place to address the initial questions discussed at the September Council meeting. This effort will complement the NIBIB's broader strategic planning efforts.

Updates on NIBIB Training Programs: Howard Hughes Medical Institute (HHMI)-NIBIB Partnership, NIBIB Supplements for Clinical Residents, and the Independent Investigator Award (K Program)

The NIBIB-HHMI partnership to develop new interdisciplinary predoctoral training programs continues to move forward. The NIBIB and the HHMI co-sponsored a meeting on January 10, 2005, to provide details about the partnership to the extramural community. Dr. Zerhouni and Dr. Pettigrew were in attendance to support this effort. The receipt date for Phase I applications is June 1, 2005.

Turning to the Clinical Resident Research Supplements Program, Dr. Temple O'Connor announced that the program announcement was released, and applications are scheduled for peer review on February 9, 2005. The second receipt date is February 14, 2005. Dr. Temple-O'Connor presented this program to the NIH Training Advisory Committee to determine the level of interest of other Institutes and Centers in participating, and to get feedback on how changes in the program could enhance interest from other ICs.

Council members discussed how the Institute could be instrumental in improving the success rate of first time R01 applicants to the NIBIB. The current success rate is around 10 percent. Members expressed concern that there should be a greater emphasis on how to improve the success rate. The subcommittee also discussed whether to continue the NIBIB's support of the K02 program, with the majority of members agreeing that the NIBIB should not focus on this program. If the Institute continues to support this mechanism, the productivity of our participation should be re-evaluated at a future date. The meeting adjourned at 5:30 pm.

We certify that, to the best of our knowledge, the foregoing minutes and attachments are accurate and complete.

Arlene Y. Chiu, Ph.D.
Executive Secretary
National Advisory Council for Biomedical Imaging
and Bioengineering
Director, Office of Research Administration
National Institute of Biomedical Imaging and
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