Some Biomedical Informatics Programs at NIBIB and NIH

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NIH, DHHS
Training Grants and Fellowships: Career Development Awards

- Pathway to Independence Award (K99/R00)
- Mentored Quantitative Scientist Award (K25)
- Mentored Research Scientist Award (K01)
- Diversity and Generic Predoctoral Fellowships (F31)
- Institutional Training Grants (T32)
- Postdoctoral Fellowships (F32)
- Postdoctoral Fellowships (F32)
- College
- Graduate School
- Independent Investigator
- Career Development Awards
Extramural Training Awards

Training and Fellowship awards provide support to predoctoral students while they work toward their research degrees and postdoctoral fellows while they obtain additional research experience in a mentor’s laboratory.

- **Individual Training Grants:**
  - F31 – Predoctoral Fellowships
  - F32 – Postdoctoral Fellowships

- **Institutional Training Grants:**
  - T32 – Institutional Training Grants
  - T35 – Short-term Institutional Training Grants
Career Development Awards

Mentored support for basic and clinical investigators who are transitioning to independence, changing their research focus, or need protected research time.

K Kiosk

http://grants1.nih.gov/training/careerdevelopmentawards.htm

K99/R00 – Pathway to Independence (PI) Award
Independent Research Support is Occurring at an Ever-Later Age
New and Early Stage Investigators

New Investigator has not previously competed successfully as PD/PI for a significant NIH independent research award

New and Early Stage Investigator Website


- Payline relaxation for R01 applications at many Institutes/centers (e.g. NIBIB provides %5 payline relaxation)
- The NIBIB will provide bridge funding for one year for new investigators submitting the first competitive renewal of their R01 grant if they are within 3 percentile points beyond the current payline.
NIH Director’s Pioneer Award

- **Pioneer Awards support:**
  - individual scientists of exceptional creativity
  - pioneering approaches to major challenges in biomedical and behavioral research
- Shortened applications emphasize prior successes & potential impact
- Emphasis is on the applicant
- $500K direct costs per year for 5 years (2.5M)
- 65 awards since the program’s inception in FY2004

*Part of NIH Director’s effort to stimulate innovation by funding high-risk, high-reward research.*
NIH Director’s New Innovator

- **Innovator Awards** support:
  - new investigators of exceptional creativity (within 10 years of doctorate)
  - bold and highly innovative new research approaches to major challenges in biomedical and behavioral research.
- Up to $1.5 million direct costs over 5 years
- 31 awards in FY2008

Part of NIH Director’s effort to stimulate innovation by funding high-risk, high-reward research.
National Institutes of Health

Office of the Director

- National Institute on Aging
- National Institute on Alcohol Abuse and Alcoholism
- National Institute of Allergy and Infectious Diseases
- National Institute of Arthritis and Musculoskeletal and Skin Diseases
- National Cancer Institute
- National Institute of Child Health and Human Development

- National Institute on Deafness and Other Communication Disorders
- National Institute of Dental and Craniofacial Research
- National Institute of Diabetes and Digestive and Kidney Diseases
- National Institute on Drug Abuse
- National Institute of Environmental Health Sciences
- National Eye Institute

- National Institute of General Medical Sciences
- National Heart, Lung, and Blood Institute
- National Human Genome Research Institute
- National Institute of Mental Health
- National Institute of Neurological Disorders and Stroke
- National Institute of Nursing Research

- National Institute of Biomedical Imaging and Bioengineering
- National Center for Complementary and Alternative Medicine
- Fogarty International Center
- National Center for Research Resources
- National Library of Medicine
- National Center on Minority Health and Health Disparities

- Clinical Center
- Center for Information Technology
- Center for Scientific Review
NIBIB Research Programs

- Biomaterials
- Biomechanics
- Biomedical Informatics
- Drug & Gene Delivery Systems & Devices
- Image-Guided Interventions
- Image Processing, Visual Perception and Display
- Magnetic Resonance Imaging and MRS
- Nanotechnology
- Rehabilitation Engineering
- Surgical Tools & Techniques
- Mathematical Modeling, Simulation and Analysis
- Medical Devices/Implants
- Nuclear Medicine
- Optical Imaging
- Sensors and Microsystems
- Telemedicine
- Tissue Engineering
- Ultrasound, X-ray, CT

To profoundly change health care by pushing the frontiers of technology to make the possible a reality.
NIH Office of Extramural Research:
• Training Website:  
  http://grants1.nih.gov/training/index.htm
• Training FAQs:  
  http://grants1.nih.gov/training/q&a.htm
• Institute Training Contacts:  
  http://grants1.nih.gov/training/tac_training_contacts.doc

NIBIB Division of Interdisciplinary Training (DIDT):
• Training Website:  
  http://www.nibib.nih.gov/Training
• Program Director for Interdisciplinary Training:  
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