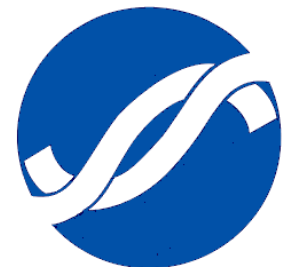




Research Fellowships for NIH Fellows

March 13, 2008

*Richard Okita, PhD
Program Director, NIGMS, NIH*





Programs that Support NIH Postdoctoral Fellows

- **Ruth L. Kirschstein National Service Awards (NRSA) for Individual Postdoctoral Fellows (F32)**
- **NIGMS supported Pharmacology Research Associate (PRAT) Program**
- NRC Research Associate Program
- NIH Pathway to Independence (PI) Award (K99/R00)



NRSA Postdoctoral Fellowship (F32)

(PA-07-107 - <http://grants1.nih.gov/grants/guide/pa-files/PA-07-107.html>)

Applicant may receive up to 3 yrs of aggregate NRSA support at the postdoctoral level. Applicant must be a US citizen or a noncitizen national or a permanent resident

- **Begin application process early!**
- **Read instructions.**
- **Talk to F32 awardees in your institute or at academic institutions, your postdoc mentor, your PhD advisor, and other academic postdoc mentors.**
- **Read the Institute's guidelines. Why? NIGMS: support for 3 years minus any time already spent in the sponsor's laboratory.**
- **Talk to Program Officers at your institute about your research and application process.**

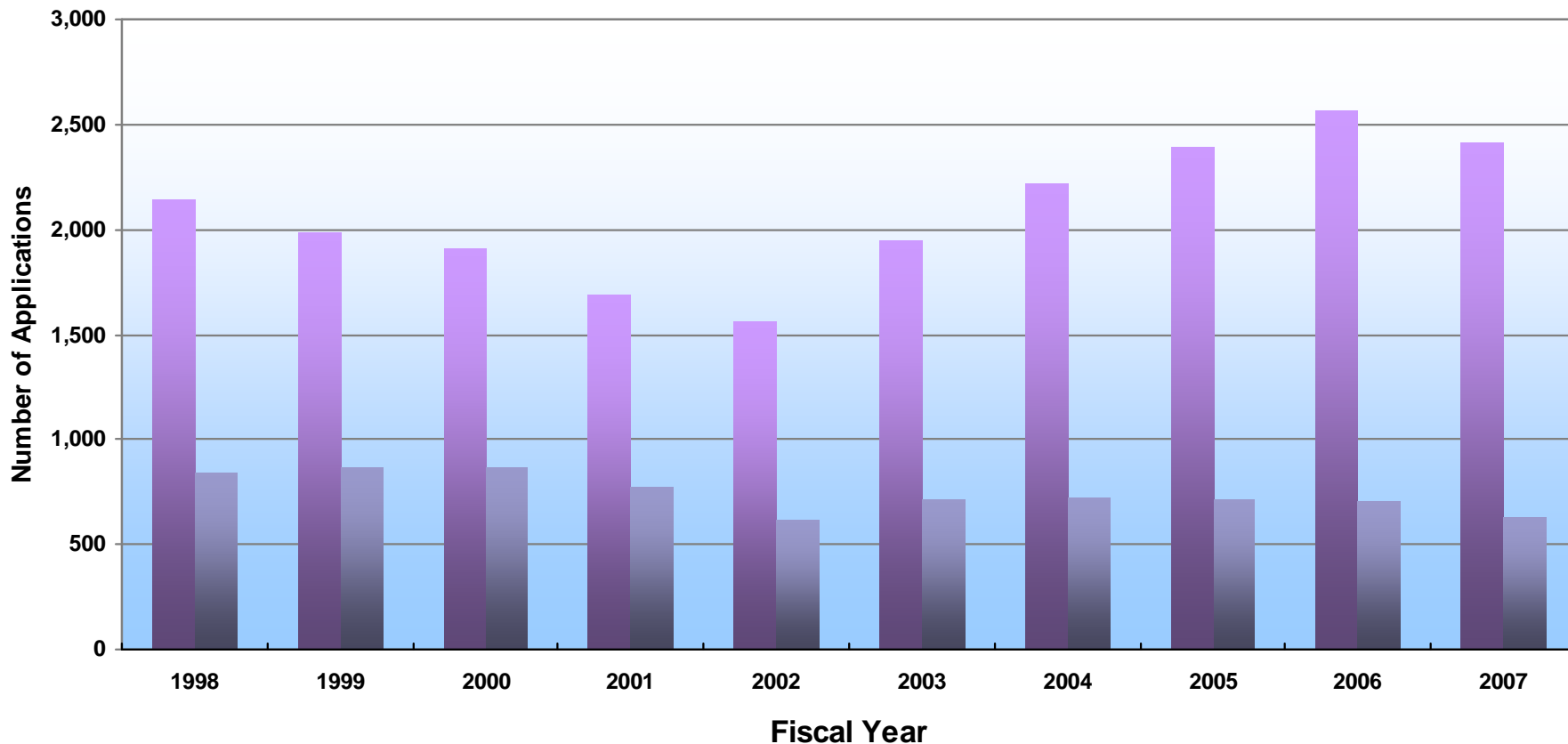


Review Criteria

- **Candidate** – Previous, current academic & research history.
- **Sponsor/Mentor and Training Environment** – Qualifications of the sponsor as a mentor for the proposed research training.
- **Research Training Proposal** – Scientific merit of the proposal, quality of research training plan, potential of proposed research training to serve as a foundation for a research career.
- **Training Potential** – value of the fellowship as it relates to the candidate's needs for a career as an independent researcher.
 - Added value of fellowship
 - Same or different training as dissertation research
 - Additional courses, new training experiences



NUMBER OF KIRSCHSTEIN-NRSA POST-DOCTORAL FELLOWSHIP (F32) APPLICATIONS REVIEWED AND AWARDED FY 1998-2007



■ Reviewed ■ Awarded



STIPENDS FOR F32s

Years of Relevant Experience FY 2007 Level

0 = \$36,996	4 = \$45,048
1 = \$38,976	5 = \$46,992
2 = \$41,796	6 = \$48,852
3 = \$43,428	7 = \$51,036



NIGMS Pharmacology Research Associate (PRAT) Program

- The PRAT Program is a competitive postdoctoral fellowship program to pursue research in one of the laboratories of the National Institutes of Health (NIH) or the Food and Drug Administration (FDA).
- Research opportunities in pharmacology are broadly defined and include receptor interactions, cell signaling, biochemistry, drug metabolism, immunology, chemistry and drug design, endocrinology, cell biology, structural biology, neuroscience, gene therapy, or clinical pharmacology.



PRAT PROGRAM

- Applicants must have received a Ph.D. or a professional degree in a basic or clinical science within the last five years, and they must be citizens or permanent residents of the U.S. Applicants may apply prior to coming to NIH or FDA, or they may have started postdoctoral research at NIH or FDA within the 12-month period prior to the application receipt deadline.
- Applicants select a preceptor in advance. Preceptors are scientists at the NIH or FDA who have an interest in training fellows through this program, and who will indicate their commitment through formal submission of their credentials at the time of application.



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PRAT PROGRAM

- Research is conducted with your mentor in your institute or center. Position is funded by NIGMS.
- Stipends start at \$48,000 per year.
- Fellowship also includes \$2400 per year for books, lab supplies, travel.
- Fellowships are awarded for a 3 year period (the first year as IRTA, the final two years as NIGMS FTEs).
- Next application receipt date is January 16(?), 2009.
- 5 to 7 awards made per year. Success rate is 25% to 33%



PRAT Program – Other Features

- Monthly research seminars by PRAT fellows
- Monthly seminars by outside speakers about applying and interviewing for faculty positions, grant writing, other types of jobs for PhDs.
- Career Guidance
- Networking with past PRAT fellows
- Job seminar practice and feedback sessions



PRAT PROGRAM – Past Graduates

- Al Gilman – Southwestern Medical School, Dean UTHSCD Medical Ctr
- Palmer Taylor – UCSD, Associate Vice Chancellor for Health Sciences and Dean School of Pharmacy
- Sidney Nelson – University of Washington, Dean School of Pharmacy
- Katrina Kelner – Science, Senior Life Science Editor
- Steven Paul – Eli Lilly, Executive VP for Science and Technology
- Robert Ruffulo – Wyeth Research, President of Research & Development and Senior Vice President

- Jennifer Lippincott-Schwartz – NICHD
- Katherine Roche – NINDS
- James Stevens – Eli Lilly
- Joseph Polli - GlaxoSmithKline



PRAT PROGRAM – Recent Graduates

- Eric Snapp, Albert Einstein School of Medicine
- Wayne Outten, University of South Carolina School of Medicine
- Guo-Min Deng, Harvard School of Medicine
- Juanita Sharpe, Chicago State University
- Kristi Eglund, University of South Dakota
- Kate Prybylowski, Sanofi-Aventis
- Jennifer Swisher, FDA
- Amy Avila, FDA
- Daniel Kolker, US Patent and Trademark Office
- Lisa Dunbar, Scientific Review Officer, NIGMS
- Trish Kalbaugh, Defense Department
- Michael Kostelansky, Health Care Investment Analyst



PRAT Program

- NIGMS Training Website
 - <http://www.nigms.nih.gov/Training/>
 - <http://www.nigms.nih.gov/Training/PRAT.htm>

- Research and Training Opportunities at the NIH
 - <http://www.training.nih.gov/postdoctoral/pdopps.asp>