



SPONSORED RESEARCH AND PROGRAM DEVELOPMENT (SR-PD)  
[www.rockefeller.edu/sr-pd/](http://www.rockefeller.edu/sr-pd/)

# Research Fellowships: Why, What, and How?

Kate Ross, CRA

[kross@rockefeller.edu](mailto:kross@rockefeller.edu)

Senior Grants Management Specialist

[Sponsored Research and Program Development](http://www.rockefeller.edu/sr-pd/?page=Training_Area)

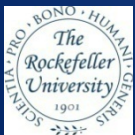
[http://www.rockefeller.edu/sr-pd/?page=Training\\_Area](http://www.rockefeller.edu/sr-pd/?page=Training_Area)

RRB 110

October 10, 2012

# Why Apply for Funding

- Prepare for a career as an independent investigator
- Contribute to the University mission
- Be an active member of the larger research community and participate in the discovery process
- Secure resources for training & research expenses
- Write up your findings (for future publications)



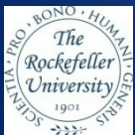
SPONSORED RESEARCH AND PROGRAM DEVELOPMENT

[www.rockefeller.edu/sr-pd/](http://www.rockefeller.edu/sr-pd/)

# University Support for Grant-seeking

The process of seeking and applying for external resources to support research is enabled by the University and coordinated by several departments and offices on campus:

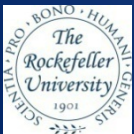
- [SR-PD](#): Sponsored Research & Program Development (program development, pre-award, post-award non-financial, and training)
- [Financial Administration](#) (post-award)
- [Compliance Support](#)
- Infrastructure – Shared [Resource Centers](#)



SPONSORED RESEARCH AND PROGRAM DEVELOPMENT  
[www.rockefeller.edu/sr-pd/](http://www.rockefeller.edu/sr-pd/)

# Pre-Doctoral Sponsored Funding

- Fellowships
- Training Grants
- Dissertation Grants

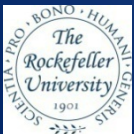


SPONSORED RESEARCH AND PROGRAM DEVELOPMENT

[www.rockefeller.edu/sr-pd/](http://www.rockefeller.edu/sr-pd/)

# Where to Apply

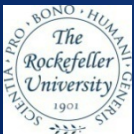
- Federal
  - [NIH](#)
  - [NSF](#)
  - [Department of Defense](#)
  - Other federal sponsors as relevant funding programs are made available
- Foundations
- Internal (via Deans Office and Development)



SPONSORED RESEARCH AND PROGRAM DEVELOPMENT  
[www.rockefeller.edu/sr-pd/](http://www.rockefeller.edu/sr-pd/)

# Resources for Finding Funding Opportunities

- SR-PD
  - [Predoctoral Fellowship Funding Sources](#)
  - [Funding Opportunities Database](#)
  - SR-PD weekly Funding alerts
  - Other [Grant Seeking Resources](#) maintained by [Program Development](#)
  - Mentors and peers



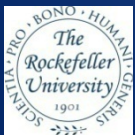
SPONSORED RESEARCH AND PROGRAM DEVELOPMENT  
[www.rockefeller.edu/sr-pd/](http://www.rockefeller.edu/sr-pd/)

# Opportunities for non-US Citizens

- While some sponsors have citizenship requirements, many opportunities exist for international students
  - Opportunities Restricted to US Citizens/Permanent Residents
  - Opportunities Restricted to Other Citizenship/Nationalities
  - Unrestricted Opportunities
- Review [Predoctoral Fellowship Funding Sources](#) and search [Funding Database](#)

# NSF Graduate Research Fellowship Program (GRFP)

- Program Solicitation [NSF 12-599](#)
- Supports outstanding graduate students in NSF-supported science, technology, engineering, and mathematics disciplines
  - Research with disease-related goals, or animal models of such conditions, is normally **not** supported.
- GRFP provides three years of support for graduate education to individuals with potential for significant achievements in science and engineering research

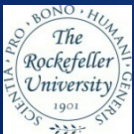


SPONSORED RESEARCH AND PROGRAM DEVELOPMENT  
[www.rockefeller.edu/sr-pd/](http://www.rockefeller.edu/sr-pd/)



# NSF GRFP Eligibility

- For 2013 GRFP, applicants must have completed no more than 12 months of full-time graduate study by August 1, 2012
- Must be US citizen, US national, or permanent resident by application deadline



SPONSORED RESEARCH AND PROGRAM DEVELOPMENT  
[www.rockefeller.edu/sr-pd/](http://www.rockefeller.edu/sr-pd/)

# Choosing a Field of Study

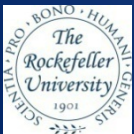
- Field of Study determines which panel will evaluate your application
- List of all NSF-supported fields is available in the [appendix of the GRFP program solicitation](#)
- If interdisciplinary, your application will be assigned to the review panel for the field of study listed first.
- Field of Study determines application deadline

# GRFP Fields of Study

- Chemistry
- Computer and Information Science and Engineering (CISE)
- Engineering
- Geosciences
- Life Sciences
- Materials Research
- Mathematical Sciences
- Physics and Astronomy
- Psychology
- Social Sciences
- STEM Education and Learning Research
- Other (specify)

# GRFP Fields of Study

- Life Sciences includes:
  - Biochemistry
  - Biophysics
  - Cell Biology
  - Developmental Biology
  - Evolutionary Biology
  - Genetics
  - Genomics
  - Microbiology
  - Molecular Biology
  - Neurosciences
  - Organismal Biology
  - Physiology
  - Proteomics
  - Structural Biology
  - Systematic Biology
- **Submission Deadline is 11/19/2012**



SPONSORED RESEARCH AND PROGRAM DEVELOPMENT  
[www.rockefeller.edu/sr-pd/](http://www.rockefeller.edu/sr-pd/)

# Tips for Applying

- Start early!
- Demonstrate your personal motivation and excitement for research
- Get input from faculty, previous applicants, mentors, peers, Dean's office.
- Carefully follow all instructions in [Program Solicitation](#)
- Thoroughly address the [Review Criteria](#) – Intellectual Merit and Broader Impacts

# Intellectual Merit

- Strength of Academic Record
- Research Plan
  - Is proposal creative, original, potentially transformative
  - Is proposal well conceived, organized, and well written
- Previous Experience and/or publications
  - Is applicant qualified to conduct the proposed project
- Institution
  - Sufficient access to resources
  - Suitability of Institutional Resources

# Broader Impacts

- Educational Experiences
- Effective integration of research & education
  - Advance discovery while promoting teaching, training, and learning
  - Enhance infrastructure, i.e. facilities, networks, partnerships
- Potential to reach diverse audiences and benefit society
  - Broaden the participation of underrepresented groups
  - Results disseminated broadly
  - Impact beyond one's own institution

# Tips for All Fellowships

- Follow guidelines to the letter!
  - Some sponsors are especially interested in more creative/innovative projects (Gates Foundation)
  - Many are focused on applicant's potential and track record (transcript, publications, patents, etc.)
  - Many also ask for mentor's track record and institutional environment
  - Always keep the review criteria in mind!



# Additional Elements

- Provide easy to read, carefully proofed, logical, succinct and coherent narrative.
- Must meet format requirements:
  - Font type and size
  - Margins
  - Other as needed
- Never exceed the sponsor's page limit



# Summary of Key Resources

- Mentor
- Peers
- [RU Sponsored Research and Program Development](#)
  - [Forms and format](#)
  - [Budget](#) (e.g personnel effort & costs, indirect costs)
  - [Boilerplates](#)
  - [Your Grants Management Specialist](#)
  - SR-PD [Training Area](#)
- Sponsor's website
- [NSF](#)
  - [FAQs](#)
  - [Sponsor Tips](#)
  - [Application Screen Shots](#)



# Preparing the Proposal

- Review scope and requirements of the funding opportunity announcement
- Get your Mentor's consent
- Make note of the deadline
- Verify eligibility with your Grants Management Specialist
- Read closely the guidelines/instructions – including special submission requirements
- Design your outline and research plan according to the sponsor's instructions
- Discuss training and research plan with your mentor
- Fully address the review criteria in the order presented by the sponsor

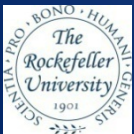


SPONSORED RESEARCH AND PROGRAM DEVELOPMENT

[www.rockefeller.edu/sr-pd/](http://www.rockefeller.edu/sr-pd/)

# Submission Process

- Complete University [Routing Form](#)
- For full review and institutional sign-off, submit complete packet to SR-PD at least 5 business days before sponsor's deadline
- If electronic submission: final copy will be submitted by Authorized Organizational Representative (AOR)
- If paper submission: after institutional sign-off, send the required # of copies and forward a final copy to SR-PD
- Visit SR-PD's [Application Review Requirements](#) for more information

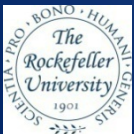


SPONSORED RESEARCH AND PROGRAM DEVELOPMENT

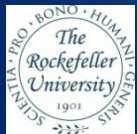
[www.rockefeller.edu/sr-pd/](http://www.rockefeller.edu/sr-pd/)

# Helpful References

- [Sponsored Research and Program Development](#)
- [New Investigators](#)
- [Center for Scientific Review](#)
- [NIH “Writing Your Application”](#)
- [InfoEd](#)
- [“Grant-Writing Tips for Graduate Students”](#) from The Chronicle
- [“Making the Right Moves: A Practical Guide to Scientific Management for Postdocs and New Faculty”](#), 2<sup>nd</sup> Edition
- [Funding Database](#)
- Sponsor’s information on active awards



# Questions and Suggestions



SPONSORED RESEARCH AND PROGRAM DEVELOPMENT  
[www.rockefeller.edu/sr-pd/](http://www.rockefeller.edu/sr-pd/)