Rutgers SciWomen: Join in the Discovery

Call for Proposals for NSF-supported Mini-grants
RU FAIR ADVANCE Cycle IV: Deadline January 31, 2011

RU FAIR NSF ADVANCE Mini-Grants are a funding opportunity for faculty at Rutgers University

**What is RU FAIR ADVANCE?**

The Rutgers University Office for the Promotion of Women in Science, Engineering, and Mathematics (SciWomen) has been awarded a five-year Institutional Transformation grant for $3.67 million dollars from the ADVANCE program of the National Science Foundation (NSF). The grant, entitled Rutgers University for Faculty Advancement and Institutional Re-Imagination (RU FAIR), runs from September 1, 2008 - August 31, 2013 and serves the Camden, Newark, and New Brunswick campuses of Rutgers University. The overall goal of the RU FAIR initiative is to remove barriers to recruitment and retention of women faculty, to advocate for greater diversity in senior leadership positions, and to provide higher visibility to the achievements of Rutgers’ women faculty in science, social science, engineering, and mathematics (SEM) disciplines.

**What are Mini-Grants?**

RU FAIR mini-grants are awarded to qualified individuals and/or teams of researchers in NSF-supported academic disciplines across all three campuses of Rutgers for initiatives that encourage interdisciplinary research, improve the climate for SEM women, and/or address one or more of RU FAIR’s key initiatives: recruitment and retention; communications; networking and liaisons; visibility; and work/life balance. More specifically, these grants are designed for **faculty advancement and development** to stimulate interdisciplinary course development, training, leadership, and research as well as to increase retention through strengthened networks and informal mentorship, thus furthering the professional advancement and collaboration potential of SEM women, especially minority women. One vision of the mini-grant program is to use RU FAIR funding opportunities to bring these academic cultures together. Of particular interest, for example, is the desire and need to provide seed money for interdisciplinary research collaborations among Rutgers SEM faculty and Rutgers women’s programs, such as the nationally acclaimed Rutgers Institute for Women’s Leadership (IWL). Another, equally important vision is to promote visibility and recruitment of women in the physical sciences, engineering, and mathematics through lectureships or other creative mechanisms. Funds from the grant, however, are not intended to support an individual’s research program where that research is not directly related to institutional goals of diversity, equity, and advancement of faculty at Rutgers.

**How do Mini-Grants address faculty advancement and development?**

These small grants are part of our efforts to showcase Rutgers University as a premier research institution built on faculty excellence and institutional diversity. Pre-tenured faculty, especially assistant professors from underrepresented groups, need to enhance the prominence of their research. All professors, non-tenured and tenured alike, should aim to expand and strengthen their networks. The mini-grants are intended to foster interdisciplinary activities across departments, centers, schools, and campuses, especially those activities that would promote interdisciplinary or intercampus collaborations. The success of our faculty reflects positively on Rutgers University on the regional, national, and global level.
Rutgers SciWomen: Join in the Discovery

Details for Applicants

RU FAIR ADVANCE mini-grants will be selected based on a competitive application process and are open to all Rutgers’ faculty, women and men, in NSF-supported disciplines, on all three campuses (see below or refer to http://www.umbc.edu/promise/pages/NSF%20supported%20fields.htm for a complete list). An application from faculty not in disciplines supported by NSF will be considered only if it supports collaboration with an NSF-supported discipline. Grant awards are anticipated to range in amount from $500 to $5,000, with the expectation of awarding six to ten grants. Proposals may be approved for funding, but the requested budget may be revised in accordance with University and NSF policies and available funds. The current mini-grant awards cycle will run from March 1, 2011 – February 29, 2012. Please refer to the Mini-Grant Information sheet as a guide to developing, staffing, and budgeting for your program or project (page 4).

Ideas for Mini-Grant Proposals

Proposals can be directed toward a broad range of topics. Some illustrative examples for funding are given below. This list is by no means exhaustive and we welcome creative applications as they fit the parameters of our RU FAIR NSF grant.

• Develop a workshop or other programming event related to women’s professional development.
• Conduct informal departmental research seminars to promote collaborations and intra- and inter-departmental networking.
• Invite speakers to Rutgers to enhance the visibility of women in SEM fields, encourage networking, and facilitate recruitment.
• Encourage faculty-to-faculty mentoring relationships.
• Examine research on different career paths of men and women SEM faculty.
• Coordinate electronic communications and program development for improved dissemination of information.
• Sponsor SEM-related events at different Rutgers locations (for example, invite a panel of speakers from Newark and New Brunswick to Camden).
• Create partnerships between social and natural scientists that focus on gender equity.
• Sponsor a colloquium to explore the interface between women’s studies and scientific discourse.
• Sponsor events (seminar, colloquium, lecture, or workshop) or research that address diversity in SEM fields.
• Coordinate communications and program development across campuses.
• Sponsor a colloquium to explore the interface between women’s studies and scientific discourse.
• Sponsor events (seminar, colloquium, lecture, or workshop) or research that address diversity in SEM fields.
• Implement programs/research related to childcare needs at Rutgers.
• Support a program that examines scientific and technological themes in contemporary culture.
• Support networking opportunities for pre-tenure female faculty with senior faculty at other institutions.

*Please note that the mini-grant program does not provide seed money for an individual faculty member’s research unless that research directly relates to women faculty in SEM and one or more of the initiatives of the NSF ADVANCE grant (see below).

About Rutgers RU FAIR / NSF ADVANCE

The RU FAIR grant supports five major initiatives to increase the participation and advancement of faculty women in science, engineering, and mathematics on all three Rutgers campuses. The five initiatives are:

• The Recruitment and Retention Initiative: Seeks to increase the number of women, especially minority women, on the Rutgers SEM faculty.
• The Communication Initiative: Focuses on communications across campuses, centers,
Rutgers SciWomen: Join in the Discovery

and departments.

• The Networking and Liaison Initiative: Seeks to build collaborations between Rutgers SEM faculty and the Rutgers Institute for Women’s Leadership (IWL) through such mechanisms as interdisciplinary mini-grants.

• The Visibility Initiative: Promotes Rutgers women SEM faculty through expanded faculty profiles and personal stories on the WiSEM website, sponsorship of a lecture series of prominent women faculty, targeted nominations of distinguished faculty members and outstanding postdoctoral associates for awards, and solicitations of press coverage for Rutgers search.

• The Work/Life Balance and Family Initiative: Seeks to bolster the resources available for dual-care families and for families with children.

The full text of the RU FAIR/NSF ADVANCE proposal can be found on the RU FAIR website at http://sciencewomen.rutgers.edu/

The Application Process

The text of the proposal should be at least 3-5 double-spaced pages in length, including a narrative outlining the proposed activity or program. The narrative should include details for how the proposed plan will help meet RU FAIR/NSF ADVANCE objectives that specifically relate to women faculty in SEM fields, and/or a description of how it will foster interdisciplinary activities and collaborations. Where appropriate, provide citations to the literature. In addition, submit a current curriculum vitae, a proposed budget, and a budget justification. The c.v., budget, and budget justification are in addition to the narrative section and not part of the page limit. Please create a budget in tabular or spreadsheet form, listing each expense (personnel, supplies, publicity, catering, travel, etc) as a separate budget item. If you are familiar with the templates from the Rutgers Office of Research and Sponsored Programs http://orsp.rutgers.edu/ and DGCA natural accounting codes, by all means, use that form. It is not necessary to account for Facilities and Administrative costs (F&A). Proposals should be submitted in pdf or doc format online to sciwomen@rci.rutgers.edu by January 31, 2011. You are strongly encouraged to talk with RU FAIR Director, Dr. Doreen Valentine dvalen@rutgers.edu before submitting a proposal. If the proposal involves collecting data from human subjects, IRB protocols must be followed and tracked. Please contact us for more information.

Selection Criteria

The criteria for evaluating proposals will include feasibility, campus needs, and potential to promote interdisciplinary, inter-school, and intercampus activities that will lead to a permanent change in the culture for women and minority faculty of Rutgers University. Specifically, RU FAIR ADVANCE mini-grants will be evaluated for funding along eight measures: feasibility (reasonable time frame, etc), significance, strength and nature of collaborations, demonstration of University need, impact, outcomes, budget, and clarity and organization. An overall score will be assigned to each proposal by every member of the RU FAIR ADVANCE Executive Team; the tally of these scores provides a quantitative snapshot for deciding whether or not to approve funding and at what level. In addition, we determine the extent to which each proposal addresses each of the five initiatives of the grant: recruitment and retention, communications, networking and liaisons, visibility, and family/work-life balance.

Proposal budgets and support staffing must adhere to the policies of Rutgers Division of Grant Accounting (DGCA), University Human Relations, and the National Science Foundation for “allocability.” Personnel and budget related questions can be directed to Christina Leshko, cleshko@rci.rutgers.edu, 732-445-2438.
Expectations

Faculty members who are awarded RU FAIR ADVANCE mini-grants will receive initial and partial administrative and programming support from SciWomen/RU FAIR personnel. Recipients should assign “nuts and bolts” responsibilities to appropriate support personnel in their own unit. Grant funding to support such work is allowable under the grant. Mini-grant support work can often be delegated to graduate students and advanced undergraduates. A SciWomen/RU FAIR business specialist will coordinate funding allocation and reporting with the business specialist of the mini-grant principal investigator’s primary unit. Where appropriate, we will seek press coverage and other publicity for programs and events supported by mini-grants.

RU FAIR ADVANCE mini-grant-supported faculty are expected to maintain financial (account ledger) and program records and deliver these as part of a final summary report on event or research details, impact, and perceptions to the RU FAIR Executive Team within 3 months of concluding the funded activity. RU FAIR ADVANCE is also keenly interested in evaluation: did your project accomplish what was intended? How did your project impact one or more of the key initiatives of the grant? How many people participated in an event, either as personnel (e.g., principal investigators, panelists, speakers, support staff) or as attendees? For all funded events, please gather and submit event evaluation information. We will provide you with questionnaires that you can use as well as an evaluation form that you can use to document a self-assessment of your project. Your final report to RU FAIR ADVANCE is required. It will be incorporated into evaluation documents that are submitted to NSF and the University annually.

RU FAIR Mini-Grant Proposal Checklist

- Does the proposed project or activity relate to faculty women at Rutgers University?
- Does the proposed project or activity relate to one or more of the five major initiatives of the grant?
- Is at least one investigator on the mini-grant project a faculty member of an NSF-supported SEM discipline? The eligible disciplines can be broadly categorized as: physical sciences (e.g., physics, chemistry, astronomy), life sciences and geosciences (e.g., biology, ecology, environmental science), engineering and computer science, mathematics, and social sciences (e.g., psychology, anthropology, sociology, geography). Please see the attached sheet (also available at http://www.umbc.edu/promise/pages/NSF%20supported%20fields.htm) for a complete list of NSF-supported disciplines and the associated fine print. Note that health and medicine fields (including social work, clinical psychology, and nursing) are not considered NSF-supported disciplines, but some humanities fields are NSF-supported (e.g., history of science, linguistics, and area studies).
- Does your budget itemize each expense in a clear table or spreadsheet? Alternately your budget can be prepared using the ORSP/DGCA template.
- Would you be able to carry out your project or activity with less than the budgeted amount, if necessary?
Rutgers SciWomen: Join in the Discovery

Information Guide for Developing, Staffing, and Budgeting your RU FAIR ADVANCE Mini-Grant Proposal

In an effort to facilitate RU FAIR mini-grant applications, our office has prepared an outline of budgets and event logistics to aid you in designing your mini-grant program. All costs are estimates and will vary depending on your individual requirements as well as internal and external factors. If you have any questions, please feel free to contact SciWomen/ RU FAIR Program Coordinator, Christina Leshko (cleshko@rci.rutgers.edu) or Director, Doreen Valentine (dvalen@rutgers.edu). Please note the informational flags (denoted with a symbol) below as you develop your proposal or plan for expenses.

We look forward to receiving your proposal!

SLC – Speaker, Lecture, or Colloquium

Among the most popular mini-grant proposals are for events that bring in external speakers or feature Rutgers faculty in a sponsored talk. We call these "SLC" for Speaker, Lecture, or Colloquium. Your proposal can include plans to supplement an existing departmental lecture series, or you may bring a speaker in on your own. Topics for SLC have ranged from the speaker's area of research to role-modeling and advice-giving for graduate students. Below are some possible elements for an SLC proposal budget, based on typical expense allocations.

Honorarium (per speaker): typically $1,000 or less
Travel (local): $100
Travel (flight) $1,000
Hotel: $150
Advertising: $100
Event Room reservation/equipment (projector and screen): $250
Reception (for 10 people): $350
Luncheon, Rutgers Catering (for 10 people): $150
Dinner (with 8 guests at $20/person, tax and tip): $200

Budget Estimate: $2,750

: Honoraria only can be paid to external speakers (this is not an allowable expense for Rutgers faculty).
: Only domestic travel can be funded.

Workshop

Workshops are another popular mechanism for bringing faculty and students together to exchange ideas, provide mentoring, trade tips, or learn new skills. Workshops differ from SLC events in that they include higher levels of interaction and participants are expected to gain some (or several) professional insights. Topics you may consider: Grant Writing, Grant Searching, and the Submission Process; Tenure and Promotion; Managing Your Lab and Office; Coaching and Mentoring; Effective Communications.
Rutgers SciWomen: Join in the Discovery

with the Media; Enhancing your Visibility; or Leadership Development. These topics are, of course, only suggestions and you are free to introduce your own themes. A second key benefit of hosting a workshop is that participants have the opportunity to interact and network with one another; such relationships often last beyond the workshop time-frame. If you are interested in hosting a workshop and would like suggestions for professional facilitators or have any questions, please contact SciWomen/RU FAIR Program Coordinator, Christina Leshko (cleshko@rci.rutgers.edu).

Facilitator fee$: $1,000 - $2,500
Supplies: $200
Room reservation/equipment (projector and screen): $250
Luncheon, Rutgers Catering (for 10 people): $150

Budget Estimate: $2000

$: Please contact us if an expert facilitator is a member of the Rutgers faculty

Research

RU FAIR ADVANCE research mini-grants are intended to fund research that directly relates to women faculty in SEM and one or more of the initiatives of the NSF ADVANCE grant. While the amount of funding you can receive from a mini-grant award cannot replace an existing grant, and is typically smaller than significant federal awards, it can certainly supplement your research. Proposals may be submitted that contain justifications for supporting your research efforts. (Please note: if you have had a significant life event and are at a critical career juncture, consider applying for a Life-Cycle grant from our office. The parameters for life-cycle sub-awards with respect to individual research are less restrictive than mini-grants. Contact Director Doreen Valentine or Program Coordinator Christina Leshko or visit our website for more information)

Research support$:

Graduate student support: suggested hourly wage: $12 - $20
Undergraduate student support: suggested hourly wage: $9 - $13
Part-time staff support: suggested hourly wage (depending on depth of experience): $12 - $25
Laboratory Technician: suggested hourly wage (depending on depth of experience): $15 - $25

$: Support funding is subject to DGCA and UHR (hiring and payroll) policies and procedures.
Individual research must connect to the theme of faculty development and advancement in the area of gender and science.
Rutgers SciWomen: Join in the Discovery

Travel for Mentoring

NSF ADVANCE targets institutions rather than individuals in an overall mission of increasing and enhancing women’s and underrepresented minorities’ participation and advancement in STEM. Creating opportunities for pre-tenure female faculty to gain visibility, build networks, cement sponsorship relationships, develop mentors, and showcase research is one way to increase women’s advancement and retention at Rutgers. Mini-grant travel funds are available to female assistant professors who wish to visit faculty in their areas of research or interest, or invite such faculty to visit Rutgers. Specifically, RU FAIR ADVANCE will award funds for travel for strategic liaisons with faculty at other institutions, or to invite such faculty to Rutgers. Proposals will be assessed according to the general evaluation criteria applied to other mini-grants—specifically, justification, clarity and organization of proposal, and strategic approach to professional development.

Travel (flight): $1000
Travel (local): $100
Per diem (for 2 days): $100

Budget estimate: $1,200

The RU FAIR grant is for faculty development and advancement. Travel support is limited to female assistant professors, who are at the time of their career when building a professional reputation outside of Rutgers is vital to a successful tenure promotion.

Only domestic travel can be funded

We hope these guidelines facilitate the process of applying for RU FAIR mini-grants. We welcome your additional suggestions and feedback about this program.
Rutgers SciWomen: Join in the Discovery

RU FAIR ADVANCE
Mini-Grants Funded in Cycles I, II, and III

Cycle I

- **Laurie Bernstein**, Associate Professor of History & Director of Women’s Studies, Rutgers-Camden: *When Sex Meets Science: An Interdisciplinary Colloquia Series*
- **Amy Cohen-Corwin**, Professor of Mathematics, Rutgers-New Brunswick: *Women in Mathematics Lecture Series*
- **Zaire Dinsey-Flores**, Assistant Professor of Latino and Hispanic Caribbean Studies and Sociology, and **Robyn Rodriguez**, Assistant Professor of Sociology, Rutgers-New Brunswick: *Women of Color Scholars Project*
- **Dorothy Hodgson**, Professor of Anthropology and Director of the Institute for Research on Women (IRW, 2007-2010), and **Beth Hutchison**, (former) Associate Director, IRW, Rutgers-New Brunswick: *Negotiation Basics and Science of Women/Women in Science*
- **Danielle McCarthy**, Assistant Professor of Psychology, and **David Vicario**, Associate Professor of Psychology, Rutgers-New Brunswick, *Hyena Science: Gender Roles in Research and Real Life*
- **Maggie Shiffrar**, Professor of Psychology, Rutgers-Newark, *Seminar Series for Women in the Neural, Cognitive, and Social Sciences*
- **Ning Zhang**, Assistant Professor of Biology, Rutgers-New Brunswick, *Seminars in Biological Science*

Cycle II

- **Helen Buettner**, Professor of Biomedical Engineering and Chemical and Biochemical Engineering, RU FAIR Professor, and (currently) co-PI, and **Laurie Rudman**, Professor of Psychology, Rutgers-New Brunswick, *Implicit Gender Stereotypes and Student Evaluations of SEM Professors*
- **Amy Cohen-Corwin**, Professor of Mathematics, Rutgers-New Brunswick, *Travel Grants for Rutgers Women in Mathematics*
- **Kimberly Cook-Chennault**, Professor of Mechanical and Aerospace Engineering, Rutgers-New Brunswick, School of Engineering, *The Application of Laser Technology to Energy Related Fields: How Development in These Fields Can Enhance the Intellectual Capital Needed for Green Jobs in the United States*
- **Nancy DiTomaso**, Professor of Management and Global Business, Rutgers Business School, Newark-New Brunswick, and **Laurie Rudman**, Professor of Psychology (Rutgers-New Brunswick), *Resource Guide for Faculty Recruitment and Evaluation Committees*
- **Evelyn H. Laffey**, Assistant Dean of Engineering, Candice White, Program Development Specialist of Engineering; **Ilene Rosen**, Assistant Dean of Engineering; **Lisa Klein**, Professor of Materials Science and Engineering, **Melike Baykal-Gursoy**, Professor of Industrial Engineering; **Kimberly Cook-Chennault**, Professor of Mechanical and Aerospace Engineering; **Nina Shapley**, Professor of Chemical & Biochemical Engineering, **Nada Boustany**, Professor of Biomedical Engineering; and **Deborah Silver**, Professor of Electrical and Computer Engineering (Rutgers-New Brunswick), *Networking Lunches with Faculty and Students*
Rutgers SciWomen: Join in the Discovery

Cycle III

- Amy Cohen-Corwin, Professor of Mathematics, Rutgers-New Brunswick: Support for Recruitment, Retention, and Promotion of Women in Mathematics
- Harriet Davidson, Associate Professor of English and Women’s and Gender Studies and former Interim Dean of Douglass Residential College, and Regina Riccioni, Director of the Douglass Project for Rutgers Women in Math, Science, and Engineering Rutgers-New Brunswick: ADVANCE Faculty Recognition and Undergraduate Engagement Program
- Niki Dickerson, Associate Professor of Labor Studies and Employment Relations, Rutgers-New Brunswick: Improving Retention of Women of Color Scholars at Rutgers
- Seiko Goto, Assistant Professor of Landscape Architecture, in collaboration with Karl Herrup, Professor II and Chair of Cell Biology and Neuroscience, Rutgers-New Brunswick: The Garden Project: A Multi-disciplinary Study on Healing Effects of Japanese Gardens
- Mary Hawksworth, Professor of Women’s and Gender Studies, Sarah Tobias, Associate Director, Institute for Research on Women, Lisa Hetfield, Interim Director, Institute for Women’s Leadership, and Yolanda Martínez-San Miguel, Director, Institute for Research on Women, Rutgers-New Brunswick: Beyond the Gendered Plateau: Identifying and Addressing Barriers to Women Faculty Advancement through Academic Ranks
- Yolanda Martínez-San Miguel, Director, Institute for Research on Women and Professor of Latino and Hispanic Caribbean Studies and Program in Comparative Literature, and Sarah Tobias, Associate Director, Institute for Research on Women, Rutgers-New Brunswick: Negotiation Basics and IRW Distinguished Lecture, The Art and Science of Happiness
- Patrick McKay, Associate Professor of Human Resource Management, Rutgers-New Brunswick: The Effects of Diversity Climate on Work Attitudes and Retention among Rutgers University Faculty
- Paul McLean, Associate Professor of Sociology, Rutgers-New Brunswick: Networks of Opportunity and Influence at Rutgers University
- Ferris Olin, Director, Institute for Women and Art, and Lisa Ann Rodenberg, Associate Professor of Environmental Sciences, Rutgers-New Brunswick: Talking Creativity: Conversations between Scientists and Artists
- Charlene Sayers, Assistant Instructor of Biology, Rutgers-Camden: How Women at Predominantly Undergraduate Institutions Can Better Utilize Undergraduates in the Research Lab to Enhance their own Productivity and Visibility
### National Science Foundation's SUPPORTED FIELDS

(Based on required disciplines for fellowship funding)

#### CHEMISTRY
- 5230 Analytical
- 5250 Bio-inorganic
- 5240 Bio-organic
- 5260 Biophysical
- 9994 Environmental
- 5290 Inorganic
- 5330 Organic
- 5350 Physical
- 5331 Polymer
- 5370 Theoretical
- 5399 Chemistry, other (specify)

#### COMPUTER AND INFORMATION

#### SCIENCE AND ENGINEERING (CISE)
- 7240 Artificial Intelligence
  (including Robotics and Expert Systems)
- 7210 Computer Science - Languages and Systems
- 7200 Computer Science - Theory
- 7270 Computer Systems Design
  (including Signal Processing)
- 7230 Database Systems
- 7261 Graphics
- 7260 Human Computer Interaction
- 7250 Information Technology and Organizations
- 7290 Networks and Communications
- 7280 Scientific Computing
- 7220 Software Engineering
- 7299 CISE, other (specify)

#### ENGINEERING
- 6210 Aeronautical and Aerospace
- 6240 Agricultural
- 6250 Bioengineering and Biomedical
- 6330 Chemical
- 6350 Civil
- 6388 Computer Engineering
- 6390 Electrical and Electronic
- 6741 Energy
- 6470 Engineering Mechanics
- 6532 Engineering Science
- 9996 Environmental
- 6580 Industrial
- 6476 Materials
- 6620 Mechanical
- 6660 Metallurgical
- 6740 Nuclear
- 6245 Ocean
- 6716 Petroleum
- 6480 Polymer

#### MATHEMATICAL SCIENCES
- 7010 Algebra or Number Theory
- 7030 Analysis
- 7050 Applications of Mathematics
  (including Biometrics and Biostatistics)
- 7110 Geometry
- 7130 Logic or Foundations of Mathematics
- 7140 Operations Research
- 7150 Probability and Statistics
- 7170 Topology
- 7199 Mathematics, other (specify)

#### PHYSICS AND ASTRONOMY
- 4999 Astronomy
- 4930 Astrophysics
- 8040 Atomic and Molecular
- 8050 Condensed Matter Physics
- 8160 Nuclear
- 8180 Optics
- 8110 Particle Physics
- 8200 Physics of Fluids
- 8210 Plasma
- 8220 Solid State
- 8260 Theoretical Physics
- 8299 Physics, other (specify)

#### PSYCHOLOGY
- 4125 Cognitive
- 4120 Cognitive Neuroscience
- 4130 Developmental
- 4150 Experimental or Comparative
- 4189 Industrial/Organizational
- 4155 Neuropsychology
- 4165 Perception and Psychophysics
- 4170 Personality and Individual Differences
- 4158 Physiological
- 4162 Quantitative
- 4190 Social
- 4199 Psychology, other (specify)

#### SOCIAL SCIENCES
- 0693 Biological Anthropology
- 0695 Cultural Anthropology
- 0694 Linguistic Anthropology
- 0696 Medical Anthropology
- 0697 Physical Anthropology
- 0699 Anthropology, other (specify)
- 0610 Archaeology
- 9818 Demography
- 8599 Economics
Rutgers SciWomen: Join in the Discovery

<table>
<thead>
<tr>
<th>Code</th>
<th>Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>6585</td>
<td>Systems Engineering</td>
</tr>
<tr>
<td>6799</td>
<td>Engineering, other (specify)</td>
</tr>
</tbody>
</table>

### GEO SCIENCES

<table>
<thead>
<tr>
<th>Code</th>
<th>Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>5710</td>
<td>Aeronomy</td>
</tr>
<tr>
<td>5720</td>
<td>Atmospheric Chemistry</td>
</tr>
<tr>
<td>5750</td>
<td>Chemical Oceanography</td>
</tr>
<tr>
<td>5770</td>
<td>Climate Dynamics</td>
</tr>
<tr>
<td>5740</td>
<td>Geochemistry</td>
</tr>
<tr>
<td>5780</td>
<td>Geology</td>
</tr>
<tr>
<td>5800</td>
<td>Geophysics</td>
</tr>
<tr>
<td>5810</td>
<td>Hydrologic Sciences</td>
</tr>
<tr>
<td>5820</td>
<td>Large-scale Dynamics Meteorology</td>
</tr>
<tr>
<td>5830</td>
<td>Magnetospheric Physics</td>
</tr>
<tr>
<td>5840</td>
<td>Marine Geology and Geophysics</td>
</tr>
<tr>
<td>5850</td>
<td>Mesoscale Dynamic Meteorology</td>
</tr>
<tr>
<td>5870</td>
<td>Paleoclimate</td>
</tr>
<tr>
<td>5860</td>
<td>Paleontology</td>
</tr>
<tr>
<td>5880</td>
<td>Physical Meteorology</td>
</tr>
<tr>
<td>7799</td>
<td>Physical Oceanography</td>
</tr>
<tr>
<td>5890</td>
<td>Solar-Terrestrial</td>
</tr>
<tr>
<td>5889</td>
<td>Geosciences, other (specify)</td>
</tr>
</tbody>
</table>

### LIFE SCIENCES

<table>
<thead>
<tr>
<th>Code</th>
<th>Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>0399</td>
<td>Agriculture</td>
</tr>
<tr>
<td>0140</td>
<td>Agronomy</td>
</tr>
<tr>
<td>4510</td>
<td>Anatomy</td>
</tr>
<tr>
<td>4530</td>
<td>Animal Behavior</td>
</tr>
<tr>
<td>4531</td>
<td>Animal Science</td>
</tr>
<tr>
<td>0999</td>
<td>Biochemistry</td>
</tr>
<tr>
<td>1870</td>
<td>Biological Oceanography</td>
</tr>
<tr>
<td>1899</td>
<td>Biology</td>
</tr>
<tr>
<td>1299</td>
<td>Biophysics</td>
</tr>
<tr>
<td>1599</td>
<td>Botany (including Plant Physiology)</td>
</tr>
<tr>
<td>1820</td>
<td>Cell Biology</td>
</tr>
<tr>
<td>1860</td>
<td>Computational Biology</td>
</tr>
<tr>
<td>1840</td>
<td>Developmental Biology</td>
</tr>
<tr>
<td>1830</td>
<td>Ecology</td>
</tr>
<tr>
<td>4570</td>
<td>Entomology</td>
</tr>
<tr>
<td>9992</td>
<td>Environmental Sciences</td>
</tr>
<tr>
<td>1850</td>
<td>Evolutionary Biology</td>
</tr>
<tr>
<td>4590</td>
<td>Fish and Wildlife</td>
</tr>
<tr>
<td>0250</td>
<td>Forestry</td>
</tr>
<tr>
<td>2499</td>
<td>Genetics</td>
</tr>
<tr>
<td>0300</td>
<td>Horticulture</td>
</tr>
<tr>
<td>3293</td>
<td>Immunology</td>
</tr>
<tr>
<td>1874</td>
<td>Marine Biology</td>
</tr>
</tbody>
</table>

(Business Administration not eligible)

<table>
<thead>
<tr>
<th>Code</th>
<th>Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>8799</td>
<td>Geography</td>
</tr>
<tr>
<td>9099</td>
<td>History of Science</td>
</tr>
<tr>
<td>9499</td>
<td>International Relations</td>
</tr>
<tr>
<td>9299</td>
<td>Linguistics</td>
</tr>
<tr>
<td>9098</td>
<td>Philosophy of Science</td>
</tr>
<tr>
<td>9399</td>
<td>Political Science</td>
</tr>
<tr>
<td>9799</td>
<td>Public Policy</td>
</tr>
<tr>
<td>9599</td>
<td>Sociology (Social Work not eligible)</td>
</tr>
<tr>
<td>9699</td>
<td>Urban and Regional Planning</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>9899</td>
<td>Social Sciences, other (specify)</td>
</tr>
</tbody>
</table>

**Note:** For further clarification of research areas supported by the NSF, see the National Science Foundation Guide to Programs [here](http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf0203).

1. Warning: NSF Fellowships are awarded only for study leading to research-based master’s or doctoral degrees. Practice-oriented master’s programs are not eligible for support in this program. PhD programs must be science-based.
2. Warning: Research with disease-related goals is not eligible for support by NSF. Applicants in this field will be judged ineligible if their Proposed Plan of Research has disease-related goals and/or is insufficiently focused on basic research questions.
3. Warning: Clinical and counseling psychology are generally not supported in this program; NSF Fellowship applicants in this field will be judged ineligible if their Proposed Plan of Research focuses on mental disease, abnormality or malfunction.
4. Warning: NSF Fellowship Applicants in these fields may be judged ineligible if the Proposed Plan of Research does not demonstrate a scientific approach.
Rutgers SciWomen: Join in the Discovery

3299  Microbiology 6
1880  Molecular Biology 6
1829  Neurosciences 6
1890  Nutrition 5
2970  Pharmacology 6
3899  Physiology 6
1545  Plant Pathology
4540  Soil Science
1822  Structural Biology
3290  Virology 6
4699  Zoology
2299  Life Sciences, other (specify) 6