CAREER Proposals

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CAREER

Faculty Early Career Development Program
NSF 08-557

Find Link on Crosscutting Programs Page

- NSF’s most prestigious awards in support of junior faculty exemplifying the role of teacher-scholar
- Enhances and emphasizes the importance of balanced academic careers
- Career development plan to integrate research and education
CAREER

• ELIGIBILITY:
  – As of Directorate Deadline
    • Hold doctorate in field supported by NSF
    • Be untenured
    • Not previously received an NSF PECASE or CAREER award
    • Have not competed more than two times in NSF CAREER Program
  – As of October 1 of submission year be employed
    • In a tenure-track (or equivalent) position at US academic institution or US non-profit, non-degree granting organization
    • As an Assistant Professor (or equivalent)

ASSOCIATE PROFESSORS WITH or WITHOUT TENURE ARE NOT ELIGIBLE
CAREER

• SIZE
  – Lower Limit $400K (total)
  – Upper Limit - non specified
  – BIO Directorate: $500K (total) minimum

• DURATION
  – 5 Years

• SUPPLEMENTS
  – Standard NSF supplements (see GPG)

• PECASE
  – HONORARY ONLY
CAREER

• DEPARTMENTAL ENDORSEMENT LETTER:
  (About One Page)
  – Returned without Review if Missing

• LETTERS OF COMMITMENT/COLLABORATION
  (if needed):
  • Short
  • Describe collaborative efforts
  • Not recommendation/endorsement
CAREER

• **DEADLINES:**
  – July 22, 2010 for MPS, GEO, SBE, OPP
  – July 21, 2010 for ENG
  – July 20, 2010 for BIO, CISE, EHR

• FASTLANE Submission
  – Help desk: 1-800-673-6188

• GRANTS.GOV Submission
  – Grants.gov User Support: 1-800-518-4826
Talk to Your Program Officer

- Find best research placement for your proposal
- Find out how CAREER proposals are handled in that Division
- Find out practices in that Division
  - Example: expectations for education and outreach component vary across MPS and NSF
Directorate for Mathematical and Physical Sciences

Pie chart showing MPS total budget for FY 2007. MPS will spend $1.15 billion in FY 2007. Totals may not add due to rounding.
PHY Web Site: http://www.nsf.gov/physics
Most Have Target Date: Sept. 24, 2009
PIF, Plasma Target Date: Oct. 22, 2009
Physics of Living Systems: DEADLINE: July 31, 2009
CHECK TARGET DATES/DEADLINES
Kathy McCloud: kmcloud@nsf.gov
Division of Materials Research

• Individual Investigator Programs
  – Condensed Matter Physics
  – Condensed Matter and Materials Theory
  – Biomaterials
  – Solid-State and Materials Chemistry
  – Polymers
  – Metallic Materials and Nanostructures
  – Ceramics
  – Electronic and Photonic Materials
Proposal Writing
Before You Place Pen to Paper

- Search the Award Database
- Investigate Program Websites
- Read Appropriate Solicitation
- Contact the Program Director
  - One or two paragraph describing projects
  - Possible phone call to talk about the project
- Possible co-review if inter/cross-disciplinary
Finding Information

Award Search on http://www.nsf.gov
Award Search

Boolean
<AND>
<OR>
<NOT>
“correlated electrons”
(A<AND>B)<NOT>C
Award Search

Program(s)
Award Info
Nonradiative Quantum Coherences in Semiconductors

Program Director: Wendy W. Fuller-Mora
Division: DMR, Division of Materials Research
Directorate: MPS, Directorate for Mathematical & Physical Sciences
Start Date: July 1, 2005
Expires: June 30, 2006 (Estimated)
Awarded Amount to Date: $115,000
Investigator(s): Hailin Wang, hailin@oregon.oregon.edu (Principal Investigator)
Sponsor: University of Oregon Eugene
5219 UNIVERSITY OF OREGON
EUGENE, OR 97403-1266 5131
NSF Programs: CONDENSED MATTER PHYSICS, OPTICAL PHYSICS
Field Application(s): 010000 Nanomaterials Research
Program Reference Code(s): AMPP.9161,7237,7203,1767,1290
Program Element Code(s): 1710,1290

Abstract

The proposed research focuses on studies of coherent nonlinear optical phenomena induced by electron spin coherence in semiconductor nanostructures. A main objective is to extend quantum optics concepts originally developed in single atomic systems to semiconductors. This

Program Info
Co-Fund Info
Abstract
Finding Information

Finding Information

Division Pages
Finding Information

Program Pages
Finding Information

Program Information

Condensed Matter Physics (CMP)

CONTACTS

Name: [Name]
Email: [Email]
Office: [Office]
Phone: [Phone]

Apply to RD 01-110 as follows:

For full proposals submitted via FastLane, submit a Grant Proposal (GPG) to a Grants.gov Application Guide. See the Program Information for Submissions of RFP for Guidance on preparing and submitting RFP for Guidance on preparing and submitting RFP.

**SYNOPSIS**

Supports fundamental, experimental, and combined experiment and theory projects on the physics of solid, liquid, and amorphous systems. Phenomena of interest include phase transitions, localization, electronic, magnetic, and lattice structure. Superconductivity, elementary excitations, including electronic, magnetic, phonons, and lattice transport, magnetic, and optical properties; and nonlinear dynamics. Examples of topics supported include a wide range of fields, such as high-temperature superconductivity, quantum fluids, and magnetic, electronic, and lattice properties, and characteristics of materials such as low-temperature, high pressures, and high magnetic fields.

Development of new experimental techniques may be appropriate where information is lacking about the proposed research.

**RELATED PUBLICATIONS**

- [Grant Opportunities for Academic-Laboratory Industry (GOLIATH)](https://www.nsf.gov/grants/opportunities/goliath)
- [Abstracts of Recent Awards Made Through This Program](https://www.nsf.gov/awardsearch)
- [Discoveries](https://www.nsf.gov/discoveries)
Crosscutting Programs

This site provides program information for activities sponsored by more than one NSF organization. In addition, all NSF organizations accept proposals that cut across organizational and programmatic boundaries. We suggest that those seeking support for interdisciplinary work not described here consult the NSF program(s) closest to the science, engineering or education focus of the planned work and contact relevant program officers to discuss submission of a proposal.

Sorted by Title. Click column headings to sort.

<table>
<thead>
<tr>
<th>Title</th>
<th>Program Guidelines</th>
<th>Due Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADVANCE: Increasing the Participation and Advancement of Women in Academic, Science and Engineering Careers</td>
<td>05-384</td>
<td>Full Proposal: July 19, 2005</td>
</tr>
<tr>
<td>Assembling the Tree of Life (ATOL)</td>
<td>05-323</td>
<td>Full Proposal: January 27, 2006</td>
</tr>
<tr>
<td>Collaboration In Mathematical</td>
<td>05-333</td>
<td>Full Proposal: March 27, 2005</td>
</tr>
</tbody>
</table>
Crosscutting Programs
Learn the Review Process

Contact Program Director in Your Research Area and Volunteer to:

• Serve as a panelist
• Be an ad hoc mail reviewer