Research Funding Programs

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www.rockefeller.edu/sr-pd
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Resources for Finding Funding Opportunities

• University Sponsored Research & Program Development (SR-PD)
  – Your Grants Management Specialist
  – SR-PD Website
  – SR-PD Emails
• Online resources such as Community of Science (COS)-Pivot, Funding Database, and others
• Mentor and peers
Where to Apply

- Federal
  - NIH
  - NSF
  - Department of Defense
  - Other agencies as funding programs are made available
- Foundations
- Industry
- Internal (via Development)
Strategic Resources

- Mentor
- Peers
- RU SR-PD
  - Forms and format
  - Training Area/Career Development Resources (e.g. K-award checklist)
  - Budget (e.g. personnel effort & costs, indirect costs)
  - Boilerplates
  - Your Grants Management Specialist
- Sponsor’s website
- NIH
  - RePORT
  - Program Official
  - Award trends and success rates
  - Office of Extramural Research
Types of Funding

- Fellowships
- **Career Development** (ex. NIH K08 and K23; non-NIH)
- **Research Grants**
  - Small (ex. NIH R03)
  - Exploratory/Developmental (ex. NIH R21)
  - Individual research grants (ex. NIH R01)
  - Internal Pilot Study grants (ex. CTSA)
  - Collaborative center/program grants
  - Non-NIH sources using similar mechanisms

SPONSORED RESEARCH AND PROGRAM DEVELOPMENT
www.rockefeller.edu/sr-pd/
NIH Career Development Awards

- **K08** Mentored Clinical Scientist Research Career Development Award supports supervised research career development experience in biomedical and behavioral research, including translational research.
- **K23** Mentored Patient-Oriented Research Career Development Award supports investigators committed to research on patient-oriented research.
- **K99/R00** Pathway to Independence Award
<table>
<thead>
<tr>
<th>Citizenship Eligibility</th>
<th>K08</th>
<th>K23</th>
<th>K12</th>
<th>K99/R00</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA or Permanent Resident</td>
<td>USA or Permanent Resident</td>
<td>USA or Permanent Resident</td>
<td>Not limited to USA or Permanent Resident</td>
<td></td>
</tr>
<tr>
<td>Length of Project Period</td>
<td>Up to 5 years mentored</td>
<td>Up to 5 years mentored</td>
<td>Up to 5 years mentored</td>
<td>Up to 2 years mentored</td>
</tr>
<tr>
<td>Estimated Range of Annual Direct Costs</td>
<td>$162,000 - $303,000 (check Table of I/C requirements)</td>
<td>$162,000 - $303,000 (check Table of I/C requirements)</td>
<td>Varies (funds multiple scholars)</td>
<td>$90,000 - $283,000) (check Table of I/C requirements)</td>
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<tr>
<td>Minimum effort committed to research</td>
<td>75%</td>
<td>75%</td>
<td>75%</td>
<td>75%</td>
</tr>
<tr>
<td>Letters required</td>
<td>Mentor plus 3 - 5 referees</td>
<td>Mentor plus 3 - 5 referees</td>
<td>None</td>
<td>Mentor plus 3 - 5 referees</td>
</tr>
<tr>
<td>Participating NIH Institutes</td>
<td>Most institutes</td>
<td>Most institutes</td>
<td>NCI, NEI, NIDA, NIGMS, NINDS</td>
<td>Most institutes</td>
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</table>

SPONSORED RESEARCH AND PROGRAM DEVELOPMENT
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Tips on NIH Career Development Awards

- Requires a minimum effort of 75% on research
- Strong/experienced mentor(s) is critical
- Training plan must be clear, focused, as well as interesting and practical
- Biosketches should reflect the potential of the candidate and the qualifications of the mentor
NIH Career Development Awards
Limit of Cumulative K-support

• Mentored Clinical Scientist Research Career Development Award (K08)
  – Some NIH institutes limiting cumulative support (6 years) on institutional/K12 & K08 grants (NHLBI, NICHD)
  – Some NIH institutes limit eligibility to applicants with no more than 6 years postdoc experience (NIMH)

• Mentored Patient-Oriented Research Career Development Award (K23)
  – Some NIH institutes limiting cumulative support (6 years) on institutional/K12 & K23 grants (NHLBI, NICHD)
  – Some NIH institutes limit eligibility to applicants with no more than 6 years postdoc experience (NIMH)
New NIH Application Requirements  
Rigor & Transparency

<table>
<thead>
<tr>
<th>Element of Rigor and Transparency</th>
<th>Section of Application</th>
<th>Criterion Score</th>
<th>Contribute to Overall Impact Score?</th>
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</thead>
<tbody>
<tr>
<td>Scientific Premise</td>
<td>Research Strategy</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Scientific Rigor</td>
<td>Research Strategy</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Consideration of Relevant Biological Variables, such as Sex</td>
<td>Research Strategy</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Authentication of Key Biological and/or Chemical Resources</td>
<td>New Attachment</td>
<td>N/A</td>
<td>No</td>
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</table>

More info on [NIH Rigor and Reproducibility](http://www.rockefeller.edu/sr-pd/) resource page
Other NIH New Investigator Awards

- **NIH Director’s New Innovator Award Program** ($300K/year for 5 years)
- **Small Grant Program for NIDDK K01/K08/K23 Recipients (R03)** ($50K/year for 2 years)
- **NIDA AIDS-Science Track Award for Research Transition (R03)** ($100K/year for 2 years)
- **NIDA Imaging Science Track Award for Research Transition (R03)** ($150K for 1 year)
- **NIDCR Small Grant Program for New Investigators (R03)** ($150K over 2 years)
DOD Congressionally Directed Medical Research Program (CDMRP)

- No citizenship requirements
- Some research programs have career awards and many are open to investigators at all academic levels
- Current FY2016 funding opportunities:
  - Duchenne Muscular Dystrophy Research Program – Career Development Award ($275K for 2 years)
  - Neurofibromatosis Research Program – New Investigator Award ($450K for 3 years)
  - Prostate Cancer Research Program – Physician Research Award ($520K for 4 years)
  - Peer Reviewed Medical Research Program – 39 topic areas. Discovery Award ($200K for 18 months) – for highly innovative concepts; no preliminary data required; open to all PIs
Foundation Programs

• American Academy of Neurology Foundation – Clinician Scientist Development Awards
• American Heart Association – Scientist Development Grant
• American Society of Clinical Oncology – Young Investigator Award
• Burroughs Wellcome Fund – Career Awards for Medical Scientists
• Dermatology Foundation – Career Development Awards
• *Doris Duke Charitable Foundation – Clinical Scientist Development Award
• Komen Breast Cancer Foundation – Career Catalyst Award
• NARSAD/Brain & Behavior Research Foundation – Young Investigator Award
• Scleroderma Foundation – New Investigator Grant

For other new investigator award programs visit New PI site

*Administered by Development Office
Early Stage of Proposal Planning

• Start early, approx. 6-9 months before deadline
• Review the funding program/announcement
• Research recently funded proposals
• Find out success rate at target agency/institute
• Discuss your research/proposal with your mentor
• Contact (e.mail) the Program Official/Director – determine/confirm Institute/Center assignment
• Attend grant writing workshops at RU & national mtgs/conferences
• Secure reference letters (for K-mechanism applications)
• Register with sponsor
• Work with your Grants Management Specialist
Preparing the Proposal

• Review scope of the funding opportunity announcement
• 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
• Fully address the review criteria and in the order presented by the sponsor
Questions and Suggestions