NCI Research Training and Career Development Awards

Michael Schmidt
Center for Cancer Training

DCB New Grantee Workshop
01/23/2019
Research Training and Career Development Awards

**Predoc**
- F30 Predoctoral NRSA for MD/PhDs
- F31 Predoctoral NRSA - research degree
- **F99/ K00** Predoctoral to Postdoctoral Fellow Transition Award
- F32 Postdoctoral NRSA

**Postdoc**
- K08 Mentored Clinical Scientist Research CDA
- K99/R00 Pathway to Independence Award
- K22 NCI Transition Career Development Award

**PI**
Ruth L. Kirschstein National Research Service Award (NRSA) Fellowships

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**PI**

NIH NATIONAL CANCER INSTITUTE
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<table>
<thead>
<tr>
<th>Awards</th>
<th>Candidates</th>
<th>Success Rates</th>
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</thead>
<tbody>
<tr>
<td>F30</td>
<td>MD/PhD Students; US Citizens or Permanent Residents</td>
<td>44%</td>
</tr>
<tr>
<td>F31</td>
<td>PhD Students; US Citizens or Permanent Residents</td>
<td>26%</td>
</tr>
<tr>
<td>F99/K00</td>
<td>PhD Students; nominated by Institutions</td>
<td>30%</td>
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<tr>
<td>F32</td>
<td>Postdocs; US Citizens or Permanent Residents</td>
<td>21%</td>
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<tr>
<td>K99/R00</td>
<td>0-4 yr Postdocs; expected to transition into independent positions within two years</td>
<td>20%</td>
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<tr>
<td>K08</td>
<td>Non-Tenured Clinician Scientists; US Citizens or Permanent Residents</td>
<td>36%</td>
</tr>
<tr>
<td>K22</td>
<td>2-8 yr Postdocs; ready to transition to independent positions</td>
<td>16%</td>
</tr>
</tbody>
</table>
F31 Pre-doctoral Fellow Characteristics

Enrolled in research doctoral degree (e.g., PhD) programs
US Citizens or Permanent Residents

Typically submit in the 3rd year of the PhD program
F32 Post-doctoral Fellow Characteristics

US Citizens or Permanent Residents
Typically submit during the 1st (30%) or 2nd (60%) year of postdoc.
K99/R00 Pathway to Independence Award

- **Objective:** To help outstanding postdoctoral researchers complete needed, mentored career development and transition in a timely manner to independent, tenure-track or equivalent faculty positions.

- **Eligibility:**
  - U.S. citizens and non-U.S. citizens (@domestic institutions)
  - Less than 4 years of postdoctoral research training
  - Cannot have held an independent faculty or tenure-track position

- **Award:**
  - **Mentored Phase (K99)** (1 - 2 years):
    - salary: up to $100K/year; fringe benefits; research support: 30K/year
  - **Independent Scientist Phase (R00)** (up to 3 years):
    - salary, fringe benefits, research support: $249K/year (total cost)
K99 Awardee Characteristics

U.S. citizens and non-U.S. citizens

Typically submit during the 4th year of postdoc. training
NCI Pathway to Independence Award for Outstanding Early Stage Postdoctoral Researchers (K99/R00)
RFA-CA-19-029/ RFA-CA-19-030

Eligibility: 0-2 years postdoc. training

Scientific Areas:
- Data Science
- Cancer Control Science
- Other Sciences
What are reviewers looking for?

• Candidate: motivated, well-trained, productive
• Mentor(s): strong mentoring and funding track record, highly qualified, committed to support the candidate
• Career development/ training plan: meaningful training in research and professional development
• Research plan: innovative, good training platform/ vehicle for transition to independence (high feasibility/ high impact; niche for applicant’s own lab)
Tips for mentors/ sponsors

- Identify co-mentor(s)/ co-sponsor(s)
- Co-mentor(s) should have a clearly defined role in the application
- Develop a training plan/ CDP that is tailored to the needs of the applicant/ candidate.
- Be actively involved in the grant preparation process
  grantsmanship issues = poor mentoring
- Avoid scientific overlap + no text duplication from R01
CTB Website: www.cancer.gov/grants-training/training/funding
Take home message

Motivate your students/ postdocs to apply