NIH Organization

Grant applications must be relevant to Institute mission!
NIH Institutes - Research Mission

NICHD offers fellowships (F), career development awards (K), institutional training grants (T32, K12), and research project grants (eg, R01, R03, R21) in areas relevant to normal and abnormal human development, including contraception, fertilization, pregnancy, childbirth, prenatal and postnatal development, and childhood development through adolescence. The mission areas also include research on intellectual and developmental disabilities and rehabilitation medicine.

http://www.nichd.nih.gov
Research Training and Career Development

**Research Grants**
- R03 Small Grant
- R21 Exploratory-Developmental Grant
- R01 Research Project Grant

**Fellowships & Career Awards**
- T32 Institutional Training Grants (Predoctoral slots)
- F30 Pre-doctoral Fellowships (MD/PhD Programs)
- F31 Pre-doctoral Fellowships (Parent F31)
- F31 Diversity Pre-doctoral Fellowships
- T32 Institutional Training Grant (Post-doctoral slots)
- F32 Individual Post-doctoral Fellowships
- K99-R00 Pathway to Independence Award
- K12 Institutional Career Development Award
- K01 Mentored Research Scientist Development Award
- K08 Mentored Clinical Scientist Development Award
- K23 Mentored Patient-Oriented K Award
- K25 Mentored Quantitative K Award
- K02 Independent Scientist Award
- K24 Mid-career Award in Patient-Oriented Research
Refer to Program Announcements (PAs)!!

Funding Opportunity Title
Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows (Parent F31)

Funding Opportunity Announcement (FOA) Number
PA-11-111

Components of Participating Organizations
National Cancer Institute (NCI)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute on Deafness and Other Communication Disorders (NIDCD)
National Institute on Drug Abuse (NIDA)
National Institute of Mental Health (NIMH)
National Institute of Neurological Disorders and Stroke (NINDS)

Special Note: Applicants are cautioned that not all NIH Institutes and Centers (ICs) participate in this program, and that consultation with relevant IC staff prior to submission of an application is strongly encouraged. The participating ICs have different emphases and program requirements for this program. Therefore, a prospective applicant is urged to consult the Table of IC-Specific Information, Requirements and Staff Contacts to determine whether the planned research and training falls within the mission of one of the participating NIH ICs.
Career Development Awards (K-awards)

**Basic Scientists:**

- K99  Pathway to Independence Award
- K22  Career Transition Award (not NICHD)
- K01  Mentored Research Scientist Development Award
- K25  Mentored Quantitative Career Development Award
- K02  Independent Scientist Award (for funded scientist)

**Clinician-scientists:**

- K99  Pathway to Independence Award
- K22  Career Transition Award (not NICHD)
- K08  Mentored Clinical Scientist Development Award
- K23  Mentored Patient-oriented Career Development Award
- K02  Independent Scientist Award (for funded scientist)
- K24  Mid-Career Investigator Award in Patient-Oriented Research
Mentored Career Development (K) Awards

Purpose: Develop new research skills, release time for research and training activities in the biomedical, behavioral, or clinical sciences

Eligibility: Doctoral degree (MD, PhD, MD/PhD, PhD, DDS, etc.) US Citizens or permanent residents (except K99)

Duration: 3 - 5 years

Commitment: Minimum 75% effort for mentored awards

Support: Salary $75,000 + fringe (typical; IC dependent)

Research support: $25,000 to $50,000

Research must be related to NIH Institute mission!!
Mentored Research Scientist Development Award (K01)

**Purpose:** … to provide support and “protected time” for a supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence.

NICHD supports K01 awards in 3 areas *only*:

- Medical rehabilitation medicine
- Child abuse & neglect
- Population research

*Check Program Announcement & Institute Tables !!*
Mentored Clinical Scientist Development Award (K08 & K23)

- Encourage clinical scientists to pursue a research career
- Must have a MD, MD/PhD, PhD, DDS, or other clinical doctoral degree (eg, clinical psychology, physical therapy, nursing)
- K08: for basic research
- K23: for patient-oriented research
  - May be eligible for K01, K08, K23, K99
  - 6 years aggregate support through K12 + Individual K
Pathway to Independence Award (K99/R00)

- **Purpose:** To help new researchers secure a tenure-track position and launch an independent research career.

- **K99 mentored phase (1-2 years)**
  - Supports late-stage *postdoctoral* research training
  - Provides salary + limited research expenses (varies, see IC Tables)

- **R00 Phase (up to 3 years)**
  - Requires tenure track or equivalent *faculty position*
  - Launch independent research program
  - $249,000 *total costs* per year (direct costs + full indirect costs)
K99/R00  Eligibility

- Basic or clinical doctoral degree (ie, postdoctoral fellow or equivalent)
- Domestic extramural or intramural institutions
- US citizens or non-citizens
- No more than 4 years postdoctoral research experience (-01 or -A1)
  - Possible exceptions for purely clinical time or family/medical leave
- Cannot have held independent faculty-level position
- Cannot have been independent Principal Investigator on:
  - Career Development Awards (K01, K08, K23, K25)
  - Research project grants (R01, R03, R21, program/center component)
  - Other peer-reviewed NIH or non-NIH grants >$100,000 /yr direct costs
  - Project leaders on sub-projects of Program Project (P01) or Center (P50) grants
Early Stage Research Grants

- **R03: NIH Small Grants Program**
  - Small, self-contained projects; pilot or feasibility studies; development of new technology
  - 2 years; up to $50,000 per year
  - No preliminary data expected

- **R21: Exploratory/Developmental Grants**
  - Novel, high-risk pilot-scale projects; assess feasibility of new research area; develop novel techniques, agents, methods, models
  - 2 years; up to $275,000 direct costs overall
  - Preliminary data helpful but not required
NIH Research Project Grant (R01)

- Full-scale research grant ("Gold Standard")
- Individual or multi-Principal Investigator (PD/PI)
- PI must have faculty status
- Up to 5 years in duration
- Up to $250,000 or more; potentially unlimited
- Preliminary data is essential
- Special program for New Investigators (or ESI) !!
Funding for New Investigators and Early Stage Investigators

• “New Investigator”: Applicant who has not previously competed successfully as PD/PI for a significant NIH independent research award (i.e., R01 grant)

• NIH funds R01s of New Investigators and ESIs at more favorable paylines !!

• Pay lines and relative advantage differ by NIH Institute; 3%-10% more generous paylines

• Advice for New and Early Stage Investigators
  – Apply for R01 now !!!!! (If you have preliminary data)
## Application Receipt Dates

<table>
<thead>
<tr>
<th>Grant Mechanism</th>
<th>Cycle I</th>
<th>Cycle II</th>
<th>Cycle III</th>
</tr>
</thead>
<tbody>
<tr>
<td>R01, U01 (new)</td>
<td>Feb 5</td>
<td>Jun 5</td>
<td>Oct 5</td>
</tr>
<tr>
<td>(Renewal/resubmission)</td>
<td>Mar 5</td>
<td>Jul 5</td>
<td>Nov 5</td>
</tr>
<tr>
<td>R03, R21 (new)</td>
<td>Feb 16</td>
<td>Jun 16</td>
<td>Oct 16</td>
</tr>
<tr>
<td>(resubmission)</td>
<td>Mar 16</td>
<td>Jul 16</td>
<td>Nov 16</td>
</tr>
<tr>
<td>K series (new)</td>
<td>Feb 12</td>
<td>Jun12</td>
<td>Oct 12</td>
</tr>
<tr>
<td>(resubmission)</td>
<td>Mar 12</td>
<td>Jul 12</td>
<td>Nov 12</td>
</tr>
<tr>
<td>F31, F32 (new, resubmission)</td>
<td>Apr 8</td>
<td>Aug 8</td>
<td>Dec 8</td>
</tr>
<tr>
<td>Diversity F31 (new, resubmission)</td>
<td>Apr 13</td>
<td>Aug 13</td>
<td>Dec 13</td>
</tr>
<tr>
<td>T32 (new, resubmission)</td>
<td>May 25 (most ICs, including NICHD)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Review Date**
- Jun-Jul
- Oct-Nov
- Feb-Mar

**Advisory Council**
- Sept-Oct
- Jan-Feb
- May-Jun

**Earliest start date**
- Dec
- Apr
- Jul

[http://grants.nih.gov/grants/funding/submissionschedule.htm](http://grants.nih.gov/grants/funding/submissionschedule.htm)
Funding: Sources of Guidance

- NIH Program Announcements (PAs, RFAs)
  - Purpose, eligibility, allowable costs, review criteria
  - Tables of IC-specific Information, Requirements, & Staff Contacts
- [www.nih.gov](http://www.nih.gov) (follow links to “training” or “peer review”)
  - Office of Extramural Research (“OER” grant programs, forms)
  - Institute web sites: [www.nichd.nih.gov](http://www.nichd.nih.gov) (program interests)
- Mentor (current and/or proposed)
- Department Chair or Administrator
- University/School Sponsored Programs Office
- Other colleagues & faculty
- NIH Program Staff (before applying and after review) !!
Thank You!

NICHD Training Contact:
Dennis A. Twombly, Ph.D.
NICHD Training Officer
Phone: (301) 451-3371
Email: dtwombly@mail.nih.gov

NICHD Website:  http://www.nichd.nih.gov/
NIH Website:    http://www.nih.gov