Note: The budget period dates in slides 20 & 21 are changed from the original webinar version. This slide deck has the correct dates.
Q&A Webinar

June 23, 2022 @ 3:00 PM EDT

Please submit your questions in the “Q&A” box
(scientific inquiries will not be discussed)
Q&A Webinar

- Submit questions in the “Q&A” box
- Scientific or situationally specific questions will not be discussed (email us)
- For additional questions, contact us at NewInnovatorAwards@mail.nih.gov
- Webinar recording & slides will be posted on website at commonfund.nih.gov/newinnovator
- For more application guidance, see our Application & Award Guide on website (includes example applications)
Panelists

Ravi Basavappa, Ph.D.
Program Leader
Office of the Director

Trish Labosky, Ph.D.
Program Leader
Office of the Director

Becky Miller, Ph.D.
Program Officer
Office of the Director

Eugene Carstea, Ph.D.
Branch Chief
Center for Scientific Review

Tony Kirilusha, Ph.D.
Program Director
National Institute of Arthritis and Musculoskeletal and Skin Diseases

Ellie Murcia, M.Ed.
Program Specialist
Office of the Director
Common Fund Programs

- 4D Nucleome (4DN)
- Acute to Chronic Pain Signatures (A2CPS)
- Bridge to Artificial Intelligence (Bridge2AI)
- Cellular Senescence Network (SenNet)
- Enhancing the Diversity of the NIH-Funded Workforce (DPC/BUILD)
- Extracellular RNA Communication (exRNA)
- Faculty Institutional Recruitment for Sustainable Transformation (FIRST)
- Gabriella Miller Kids First
- Global Health
- Glycoscience
- Harnessing Data Science for Health Discovery and Innovation in Africa (DS-I Africa)
- HCS Research Collaboratory
- High-Risk, High-Reward Research Program
  - Pioneer Award
  - New Innovator Award
  - Transformative Research Award
  - Early Independence Award
- Human BioMolecular Atlas Program (HuBMAP)

- Illuminating the Druggable Genome (IDG)
- Knockout Mouse Phenotyping (KOMP)
- Library of Integrated Network-Based Cellular Signatures (LINCS)
- Metabolomics
- Molecular Transducers of Physical Activity Consortium (MoTrPAC)
- Nutrition for Precision Health, powered by All of Us Research Program
- Somatic Cell Genome Editing (SCGE)
- Somatic Mosaicism Across Human Tissues (SMaHT)
- Stimulating Peripheral Activity to Relieve Conditions (SPARC)
- Transformative High Resolution Cryo-Electron Microscopy (CryoEM)
- Transformative Research to Address Health Disparities and Advance Health Equity
- Undiagnosed Diseases Network (UDN)
Common Fund Programs

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CF programs may be useful for your research: FOAs, access to high-end instruments, databases, reagents, protocols, ....
Common Fund Programs

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High-Risk, High-Reward Research Program

Supporting outstanding scientists at all career stages proposing high-risk, high-impact research
High-Risk, High-Reward Research Program

Annual funding opportunities
High-Risk, High-Reward Research Program

High-risk, high-impact ideas
High-Risk, High-Reward Research Program

No preliminary data or detailed experimental plan required
High-Risk, High-Reward Research Program

Any topic relevant to NIH mission welcome

Behavioral, social, biomedical, applied, and formal sciences, and basic, translational, or clinical research
High-Risk, High-Reward Research Program

Encourage applications from investigators with diverse backgrounds and from the full spectrum of eligible institutions
HRHR Working Group

**Chair**
James Anderson (OD)

**Program Leader**
Ravi Basavappa (OD)

**Members**
Kristin Abraham (NIDDK)
Hugh Auchincloss (NIAID)
Abraham Bautista (NIAAA)
Sangeeta Bhargava (NEI)
Gene Carstea (CSR)
Robert Carter (NIAMS)
Jennifer Collins (NIEHS)
Christine Colvis (NCATS)
Emmeline Edwards (NCCIH)
Zeynep Erim (NIBIB)
Rene Etcheberrigaray (NIA)
Nancy Freeman (NIDCD)
Dana Greene-Schloesser (OD)
Jane Hettinger (NINDS)
Gabriel Hidalgo (NIDCR)
Ray Jacobson (CSR)
Flora Katz (FIC)
Anthony Kirilusha (NIAMS)
Susan Koester (NIMH)
Trish Labosky (OD)
James Li (CSR)
Roger Little (NIDA)
James Mack (CSR)
Becky Miller (OD)
Brett Miller (NICHD)
Daniel Miller (NINDS)
David Miller (NCI)
Michael Morse (OD)
Ellie Murcia (OD)
Imoh Okon (CSR)
Richard Palmer (NLM)
Steven Pittenger (NCATS)
Srikanth Ranganathan (CSR)
Diana Rutberg (NIDCR)
Suzanne Ryan (CSR)
John Satterlee (NIDA)
Carol Shreffler (NIEHS)
Lillian Shum (NIDCR)
Darren Sledjeski (NIGMS)
Heidi Sofia (NHGRI)
Barbara Sorkin (OD)
Nathaniel Stinson (NIMHD)
Stephanie Webb (NHLBI)
Elizabeth Wilder (OD)
High-Risk, High-Reward Research Program

Supports unusually creative early career investigators proposing innovative, high-impact research

• Started in 2007
• Early Stage Investigator (no substantial NIH grant and within 10 years of doctoral degree or clinical training)
• Commit 25% research effort
• Awards of $1.5 million disbursed in two segments
  (change from previous years)
• Uses DP2 activity code
## DP2 Application

Follow instructions in SF424 application guide unless specific guidance is provided in the FOA

<table>
<thead>
<tr>
<th>Component</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Specific Aims Page</strong></td>
<td>Do not use</td>
</tr>
<tr>
<td><strong>Research Strategy Essay</strong></td>
<td>10 pages (primary component of the application; see later slide for more information)</td>
</tr>
<tr>
<td><strong>Biosketch</strong></td>
<td>Only PI’s biosketch allowed</td>
</tr>
<tr>
<td><strong>Bibliography &amp; References Cited</strong></td>
<td>Do not use; include essential in references in Essay and within 10-page limit</td>
</tr>
<tr>
<td><strong>Budget</strong></td>
<td>Minor budget details required</td>
</tr>
<tr>
<td><strong>Equipment</strong></td>
<td>Do not use</td>
</tr>
<tr>
<td><strong>Letters of support</strong></td>
<td>Do not use</td>
</tr>
<tr>
<td><strong>Resource Sharing Plan</strong></td>
<td>Do not use; will be requested as Just-in-Time information</td>
</tr>
<tr>
<td><strong>Other components/forms</strong></td>
<td>Use when appropriate, such as Authentication of Key Biol./Chem. Resources; Vertebrate Animals; Human Subjects; Biohazards</td>
</tr>
</tbody>
</table>
Research Strategy Essay

In 10 pages, use the following headings or subsections:

- **Project science areas** – 1 digit code and abbreviation for primary and secondary areas
- **Project Description** – Describe scientific importance of topic; overall approach to be taken; preliminary data not required, but accepted; state that to comply with the FOA, a detailed experimental plan and extensive are not being provided; however, provide sufficient evidence that proposal has been deeply considered and will be pursued in a robust and rigorous manner
- **Innovativeness** – Provide argument of why proposal is exceptionally innovative
- **Investigator qualifications** – Support your claim of innovativeness in prior research
- **Suitability for the New Innovator Award program** – Describe why proposal is “HRHR”
- **Statement of research effort commitment** – State will commit at least 25% research effort toward project
- **Bibliography/citations** – Include critical citations; may be in an abbreviated form as long as identifier is unique
Research Strategy Essay - Points to Consider

• Given review process used, be sure that what you write can be easily appreciated by people well outside the field for exceptional innovation and potential for unusually broad impact

• May be helpful to begin with a description of the landscape of the field and current state-of-the-art or boundaries; provide proper context for proposal and why it is so innovative and potentially impactful

• Ease the reader into the jargon of the field

• Though no data or detailed experimental plan are required, convince the reviewer that you have thought deeply about the project – identify risky aspects, how they will be mitigated, alternate approaches

• Also, convince the reviewer that the research will be performed in a robust and rigorous manner – validate new approaches, provide estimates of numbers of human or animal subjects (if used) and why, include that sex will be considered as a biological variable (if appropriate)
Budget Periods

To comply with recent changes in HHS and NIH policy regarding multi-year funded (MYF) awards, New Innovator Award funds will no longer be disbursed in the first year for the entire ~5-year project period.

Instead, awards will be made in two MYF segments: one for the first three years and the second for the final two years.

This means that no-cost extensions beyond the initial five-year project period will be allowed.
Budget Information

Annual budgets *are* required in the application, but to help maintain budget flexibility, only minimum information is requested.

The budgets have the following two important constraints:

- For the first segment (9/1/2023 – 8/31/2026), the total direct cost must not exceed $900,000.
- For the second segment (9/1/2026 – 8/31/2028), the total direct cost must not exceed $600,000.
Budget Information

Per the FOA instructions:

1. Select the appropriate Budget Type. (Project)

2. Provide the Budget Period Start Date and End Date – September 1 of one year and August 31 of the next calendar year, respectively. First budget period would be 9/1/2023 – 8/31/2024.

3. Section A: Senior/Key Persons provide an entry for the PD/PI, including the appropriate level of effort, and enter $0 for Requested Salary and $0 for Fringe Benefits. Entering $0 does not imply that the PD/PI will not receive any salary or fringe benefit support from the grant.
4. In Section C: Enter budget request for equipment. Provide justification using the Budget Justification.
5. In Section F: Other Direct Costs add a line item titled ‘Requested Direct Costs’ and provide the total direct cost request for that budget period. If equipment is requested in Section C, do not add the equipment budget in Section F.

“Requested Direct Costs” covers everything except equipment costs for that budget period (including salaries, fringe benefits, supplies, travel, and other permitted costs)

6. Ensure that the two budget constraints described above are met:
   - ≤ $900,000 direct costs for years 1 – 3
   - ≤ $600,000 direct costs for years 4 – 5
NIH Director’s New Innovator Award (DP2)

**Gene Carstea, PhD**
Scientific Review Officer, New Innovator Award Review
Chief, Cardiovascular and Respiratory Sciences (CVRS) IRG
CSR, NIH

2022-23 Webinar
June 23, 2022
New Innovator Award Review Process

Receipt: August 19, 2022 Sub Deadline

Two Stage Review Process:

Stage 1: Mail Review of all Applications
  - *Finalists* Selection via Prelim Scores

Stage 2: Editorial Panels (meets in March)
  - Discussion of all *Finalist* Applications
  - Final scores

Advisory/ Council of Councils: May

Selection of Awardees by OD / ICs
Peer-Review Process – Pre-Stage 1

- Applications will be assigned to one of 2 equivalent panels …
  …. both panels will reside within:
  - *Respiratory, Cardiac and Circulatory Sciences* (RCCS) Review Branch

- Administrative Review: A check for completeness and ESI eligibility

- Applications are grouped based on areas of science, as identified by applicant

- Potential *Conflicts of Interest* will be considered for each application
  - e.g., Institutional, Collaborative, etc.

- *Mail Reviewers* will be recruited to cover all representative areas of science
Peer-Review Process: Stage 1 (Mail Reviews)

For Each of the Review Panels:

1. Recruit Panel of Mail Reviewers
2. Match Reviewers with Science
3. 3 Reviewers / Application
4. Evaluation: 3 Criteria and Overall Impact Score (1-9)

- 1. “Importance and Potential Impact of the Scientific Problem”
- 2. “Novelty / Innovativeness of Approach”
- 3. “Creative Potential of ESI”

Overall Impact Paragraph
Selection of *Finalist* Applications for Stage 2

- Selection based on Rank Score order by Mail reviewers
  - Overall Impact Scores

- Unbiased selection of applications by Editorial reviewers
  - Combination of Scores and Impact statements

In total: Approx. 20% of all submitted applications will advance to Stage 2
Stage 2: Editorial Review

- "Editorial board" will consist of ~15-20 panelists
  - senior members of the scientific community
  - experts with broad scientific understanding

- Each finalist application is assigned to 3 Editor/Reviewers
  - all finalist applications will be discussed

- Scoring is focused on *Impact & Innovation*

- Release of *Final Scores* and *Summary Statements* (for all)
  - For *Discussed* applications: *Summary Statements* will include a *Final Score* along with a *resume / summary of discussion*
  - *Non-Discussed* statements: will receive 1st stage critiques
Questions about the Review process?

Contact:

Gene Carstea   SRO, New Innovator Award
Chief, RCCS Review Branch
NewInnovator_Review@mail.nih.gov
This webinar is being recorded.

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Eligibility

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Application & Submission

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Budget

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Thank you for attending.

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