Today
Welcome
Intro to PHS
Who’s here?
What’s on tap
Intro to funding
Happy hour!
PHS Working Groups

- Gene Environment Interaction
- Learning Health Systems & Care Delivery
- Special Populations & Rare Diseases
- mHealth & Technologies for Health
- Work-Life, Retirement, Disability, Aging & Cognitive Decline
- First 1000 Days of Life
- Sex Differences in Health
- Health Disparities: Global & Domestic
- Analytics
- Immigration & Health

Stanford University
PHS Data & Partnerships
Who we are

Mark Cullen – Director
Eran Bendavid – Infectious diseases, global health
Sanjay Basu – Chronic diseases, policy modeling
David Rehkopf – Demography, disparities, gene-environment
Lesley Park – Research and data director
Jorge DeLuna- Educational programs coordinator
Gita Dehnad- Educational programs coordinator
What’s on tap for PHS training groups

- PHS data access
- Obtaining funding
- Writing papers
- Gaining research skills
- Media/social media skills
- Career mentorship
- Peer review (grant proposals, presentations, abstracts, manuscripts)
- Seminars
Intro to funding

AKA FUNDING A, B, C... AND F, K, R?
Who needs or wants funding?
Grants for early career scientists

National Institutes of Health (NIH)
National Science Foundation (NSF)
Veterans Health Administration (VA)
Societies/foundations
NIH

Stanford University
NIH grant application cycle

- Share Results
- Plan
- Find Opportunity
- Apply
- Manage Grant Award
- Make Award
- Months 9-10
- Review Application
- Months 4-8
- Receive and Refer Application
- Months 1-3
## NIH application due dates

<table>
<thead>
<tr>
<th>Activity code</th>
<th>Application type</th>
<th>Cycle 1</th>
<th>Cycle 2</th>
<th>Cycle 3</th>
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</thead>
<tbody>
<tr>
<td>F Series</td>
<td><em>new, renewal, resubmission</em></td>
<td>Apr 8</td>
<td>Aug 8</td>
<td>Dec 8</td>
</tr>
<tr>
<td>F31 Diversity</td>
<td><em>new, renewal, resubmission</em></td>
<td>Apr 13</td>
<td>Aug 13</td>
<td>Dec 13</td>
</tr>
<tr>
<td>K series</td>
<td><em>new renewal, resubmission, revision</em></td>
<td>Feb 12</td>
<td>Jun 12</td>
<td>Oct 12</td>
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<td></td>
<td></td>
<td>Mar 12</td>
<td>Jul 12</td>
<td>Nov 12</td>
</tr>
<tr>
<td>R series</td>
<td><em>new renewal, resubmission, revision</em></td>
<td>Feb 5</td>
<td>Jun 5</td>
<td>Oct 5</td>
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<td></td>
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<td>Mar 5</td>
<td>Jul 5</td>
<td>Nov 5</td>
</tr>
<tr>
<td>AIDS-Related</td>
<td>(all activity codes)</td>
<td>May 7</td>
<td>Sep 7</td>
<td>Jan 7</td>
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</table>

NIH scoring

Grant assigned to 4 reviewers

Scored, decision to review

Impact score \((1-10) \times 10 \rightarrow 10-100\)

10 = 1\(^{st}\) percentile

< 30 is hopeful
Funding for pre-/post-docs (F series)

F31 – predoctoral
F32 – postdoctoral
F Diversity grants
F grant components

Biosketches
Specific Aims, 6-page Research Strategy
Facilities & Resources
Selection of Sponsor/Institution
Goals for Fellowship Training and Career
Activities Planned Under This Award
Doctoral Dissertation & Other Research Experience
Recommendation Letters
F series scoring

Fellowship Applicant
Sponsors, Collaborators, and Consultants
Research Training Plan
Training Potential
Institutional Environment & Commitment to Training
(Diversity grants)
Loan Repayment Program (LRP)
https://www.lrp.nih.gov

Applications due: Nov 15 extended to Dec 1!
Up to $60K to pay off educational loans
Requirements: 3 recommendation letters, personal statement, proposed research activities

Pre-doctoral | Post-doctoral | Independent scientist
Funding for post-docs and fellows

Early years – internal grants

Transition into faculty positions
- K, K/R
- CDA
- NSF CAREER
NSF

https://www.nsf.gov/funding/

- Centers of Research Excellence in Science and Technology (CREST) and HBCU Research Infrastructure for Science and Engineering (RISE)
- Documenting Endangered Languages
- GeoPRISMS Program
- International Research Fellowship Program
- Law & Social Sciences
- Mathematical Sciences Postdoctoral Research Fellowships
- NSF Astronomy and Astrophysics Postdoctoral Fellowships
- NSF Earth Sciences Postdoctoral Fellowships
- Pan-American Advanced Studies Institutes Program
- Postdoctoral Research Fellowships in Biology
- SBE Postdoctoral Research Fellowships
- ASEE/NSF Corporate Postdoctoral Fellowship for Engineers
- Intelligence Community (IC) Postdoctoral Research Fellowship Program
VA CDA

http://www.research.va.gov/funding/cdp.cfm

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<tr>
<th>SERVICE</th>
<th>LOI SUBMISSION DEADLINES</th>
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<tr>
<td>Biomedical Laboratory R&amp;D</td>
<td>May 1, Nov 1</td>
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<tr>
<td>Clinical Science R&amp;D</td>
<td>May 1, Nov 1</td>
</tr>
<tr>
<td>Health Services R&amp;D</td>
<td>April 15, Oct 15</td>
</tr>
<tr>
<td>Rehabilitation R&amp;D</td>
<td>May 1, Nov 1</td>
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Transitioning to full independence

R01 grants and equivalents

Diversifying your portfolio
- Foundation
- Private sector
Societies/associations/foundations
Funding training advert

• Stephen Korn, director of the Office of Training & Career Development at NIH coming to Stanford November 17
• Talks on F and K grants
• Register at biosciences.stanford.edu/grantwritingacademy
## Upcoming events

http://med.stanford.edu/phs/events

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>W 11/9, 3PM</td>
<td>Fast Pitch (2 sessions)</td>
</tr>
<tr>
<td>T 11/15, 3:30 PM</td>
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<tr>
<td>T 12/6, 4 PM</td>
<td>Next Research Trainee Meeting!</td>
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*Keep an eye out for information on our seminar series!*
Questions?
National Institutes of Health

https://researchtraining.nih.gov/career/early-career

- **F series**— Research training/fellowships
  - F31, F32

- **K series**— Career development awards
  - K01, K99/R00

- **R series**— Research grants
  - R01
What is PHS research?

Disparities research:

- Why are some groups healthier than others?
- Why do African-Americans die at higher rates from cardiovascular diseases and cancer than Whites?
- Why is tuberculosis nearly gone from North America, but rages like wildfire in Africa and South Asia?
What is PHS research?

Policy research:
- What effects do policies have on improving or jeopardizing population health?
- In what ways do food stamps make the obesity levels worse?
- What impact do tax policies have on child health?
- Did the waves of democracy in Sub-Saharan Africa enable the spread of HIV?
What is PHS research?

Gene-environment research:

- In what ways does the environment interact and modify our genetic makeup?
- What genetic vulnerabilities make some people predisposed to conditions such as diabetes and obesity? How does that work?
Is this for me?

• If you’re here, the answer is likely Yes!
• Early career scholars interested in population research
• Basic and social scientists wondering what this is all about
• Fellows and post-docs wondering about career paths in population research
What do we offer?

K and grant directions
Career mentoring
Research advising and matchmaking
Grant and manuscript workshops
Networking
Community-based research resources
Seminar and guest speaker series
Data hub