

# Finding Funding

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*C.elegans*  
**2015**



**20<sup>th</sup> INTERNATIONAL MEETING**  
JUNE 24-28, UNIVERSITY OF CALIFORNIA, LA



**#WORM15**



*discover.  
understand.  
inform.*

# Overview

- Identifying funding opportunities
- Writing your grant proposal
- Understanding the review process



*Huge thanks to Joyce Fernandes  
Miami University, Oxford Ohio*

# Selected NIH opportunities

The screenshot shows the NIH Office of Extramural Research website. The main navigation bar includes links for HOME, ABOUT GRANTS, FUNDING, FORMS & DEADLINES, GRANTS POLICY, eRA, NEWS & EVENTS, and ABOUT OER. The 'Grants & Funding' section is highlighted in blue. On the left, there are three main categories: 'About Grants' (with sub-links like Grants Process Overview, Grant Application Basics, etc.), 'Electronic Grants' (with sub-links like Electronic Research Admin (eRA), eRA Commons, etc.), and 'Forms & Deadlines' (with sub-links like Forms & Applications, Due Dates, etc.). The central content area features a 'New to NIH Grants?' banner with a microscope image and a 'FUNDING' section with a search bar and a list of links including 'New and Early Stage Investigators', which is circled in red. To the right, there is a 'Rock Talk' section with a Twitter follow button and a 'Latest News' section with several news items. Below the 'FUNDING' section, there is a grid of links including 'Recovery Act', 'Research Training & Career Development', 'Small Business', 'NIH Loan Repayment Programs', 'NIH Common Fund', and 'Stem Cell Information'.

<http://grants.nih.gov/>

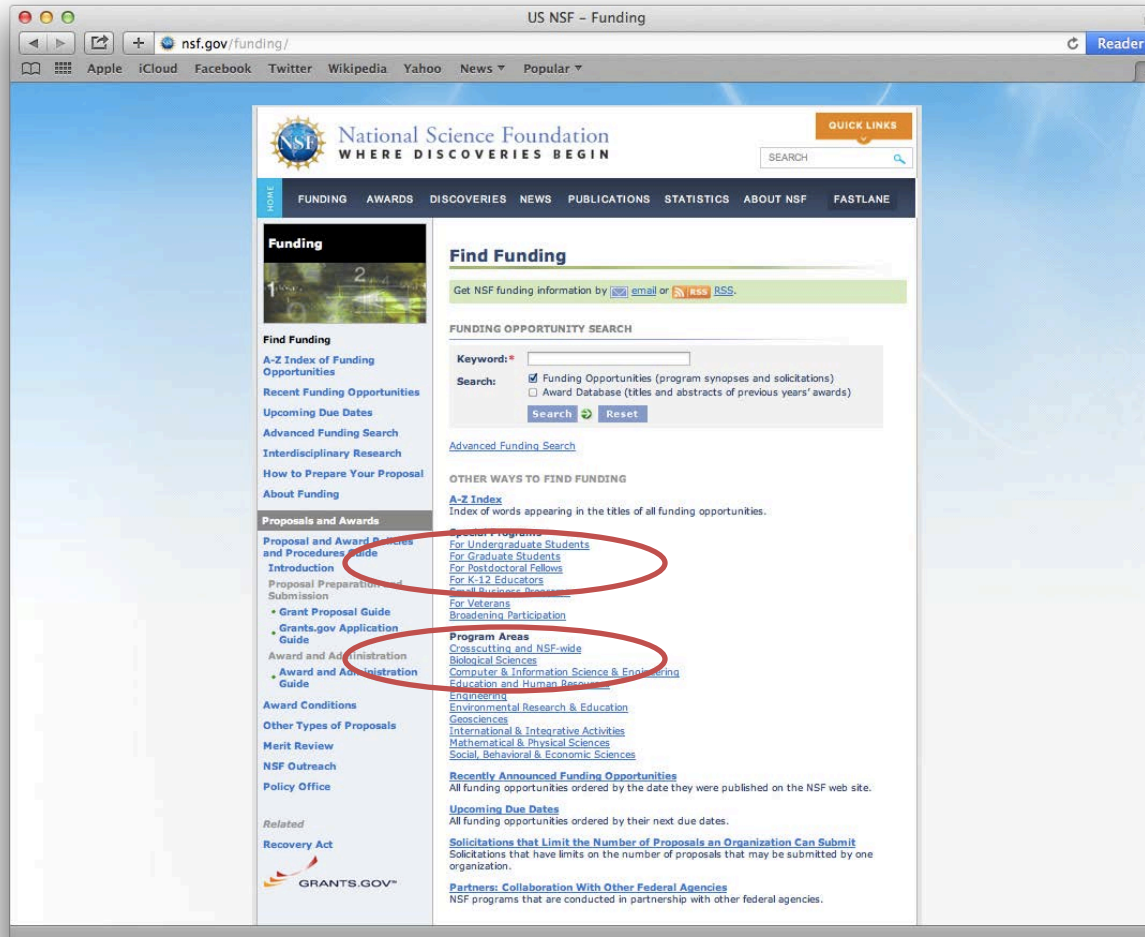


# Selected opportunities

- F32 – Ruth L. Kirschstein National Research Service Award
  - *Individual postdoctoral research fellowship*
- K99/R00 Pathway to Independence Award
  - *Supports transition from postdoc to independent PI*
- NIH Director’s New Innovator Award
  - *Emphasizes individual’s creativity, innovation of approaches, and potential for significant impact*
- NIH Director’s Early Independence Award
  - *Supports movement directly from PhD to independence*
- K Awards (<http://grants.nih.gov/training/careerdevelopmentawards.htm>)
  - *Variety of career development programs, depending on Institute*
- R21 – NIH Exploratory/Developmental Research Grant Program



# Selected opportunities



The screenshot shows the NSF Funding website interface. The main navigation bar includes links for HOME, FUNDING, AWARDS, DISCOVERIES, NEWS, PUBLICATIONS, STATISTICS, ABOUT NSF, and FASTLANE. The 'Find Funding' section features a search bar and a 'FUNDING OPPORTUNITY SEARCH' form with a 'Keyword:' field and search options for 'Funding Opportunities' and 'Award Database'. A sidebar on the left lists various funding-related links, with 'Proposals and Awards' and 'Program Areas' sections highlighted by red circles. The 'Program Areas' list includes Biological Sciences, Computer & Information Science & Engineering, Education and Human Resources, Engineering, Environmental Research & Education, Geosciences, International & Integrative Activities, Mathematical & Physical Sciences, and Social, Behavioral & Economic Sciences.



<http://www.nsf.gov/funding/>

# Selected opportunities

- NSF Graduate Research Fellowship Program
  - *Can apply before starting graduate school or as first- or second-year student*
- Doctoral Dissertation Improvement Grants
  - *For selected areas in Biological Sciences including environmental biology, behavioral systems*
- Postdoctoral Research Fellowships in Biology
  - *For selected areas including broadening participation, research using biological collections, and National Plant Genome Initiative*
- CAREER Awards for early-career faculty
  - *Supports the integration of research and education*



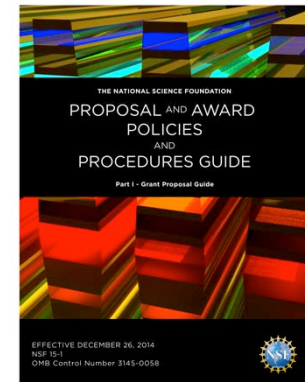
# Other opportunities

- HHMI Early Career Scientist Program
  - *Six year, non-renewable HHMI appointment for those just beginning as independent PIs*
- Burroughs Wellcome Fund Career Awards
  - *Programs in Pathogenesis of Infectious Disease, Career Awards at the Scientific Interface*
- Human Frontier Science Program
  - *Offers postdoctoral fellowships, career development awards, more*
- Look for smaller, local, focused foundations
  - *Nearly 90,000 foundations listed in the Foundation Center Directory*
  - *Focus on career level, potential mission overlap*



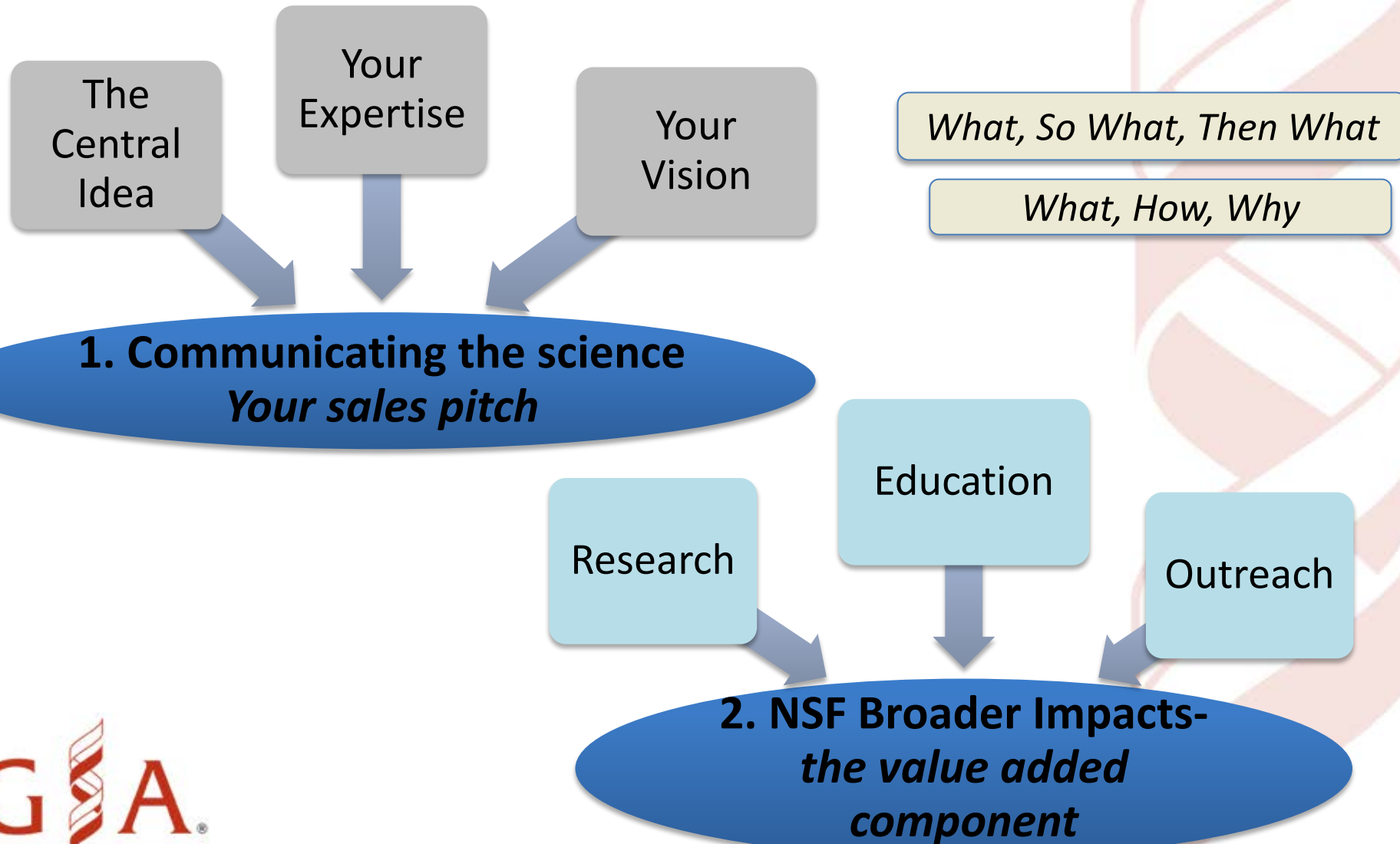
# Writing the application

- Start early – give yourself plenty of time
- Write clearly and concisely
- Discuss and get feedback from a diverse audience  
*The review panel will likely not be specific to your field*
- Be very familiar with the review criteria  
*Structure the application so the reviewers can see the criteria*
- Follow the rules  
*Respect the guidelines for length, structure, format, etc.*
- Work with your research office

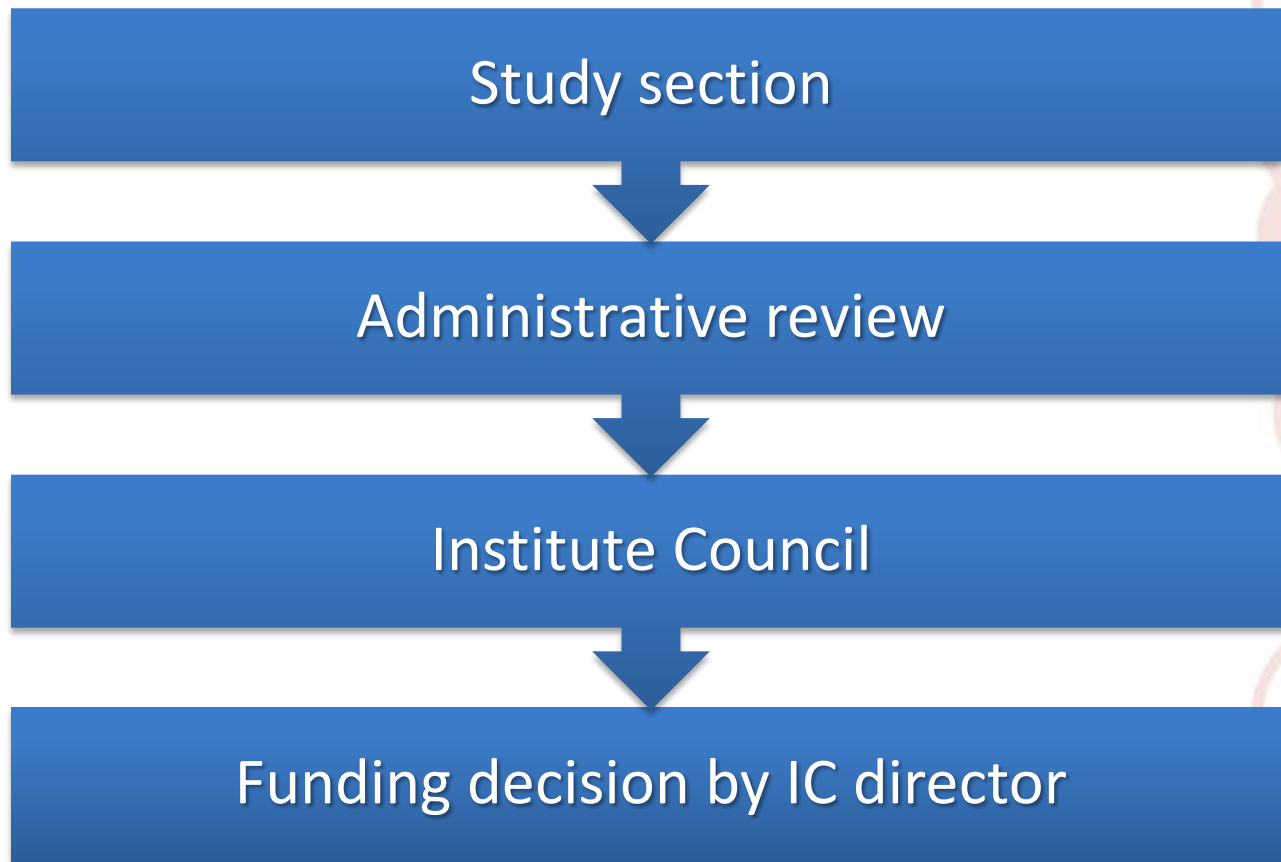




# Writing your grant application



# NIH Review Process



# NIH Review Process

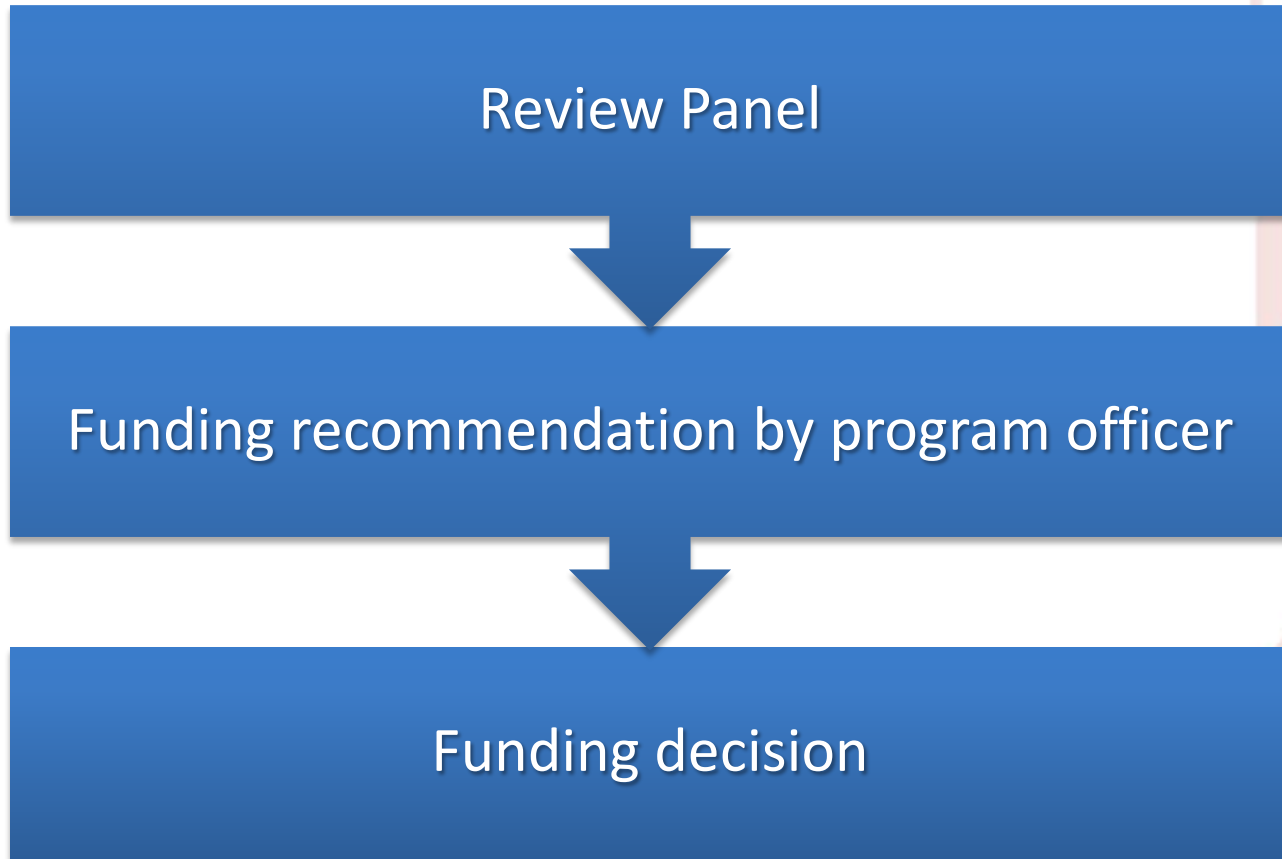
## Review Criteria

- Overall Impact
- Significance
- Investigator(s)
- Innovation
- Approach
- Environment

Overall Impact or Criterion Strength	Score	Descriptor
High	1	Exceptional
	2	Outstanding
	3	Excellent
Medium	4	Very Good
	5	Good
	6	Satisfactory
Low	7	Fair
	8	Marginal
	9	Poor



# Review Process

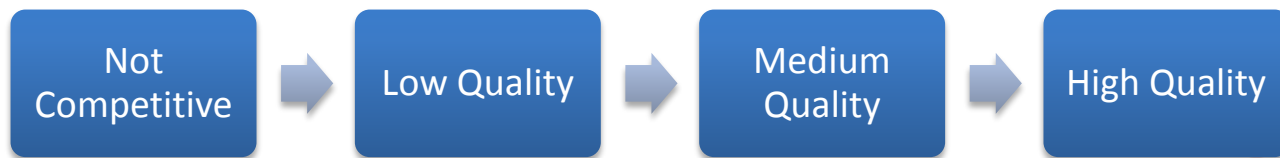




# Review Process

## Review Criteria

- Intellectual Merit: the potential to advance knowledge
- Broader Impacts: the potential to benefit society
- Overall Score



# Help make the case for research!

## **GSA Advocacy Workshop**

**Friday, June 26, 11:45 am**  
**De Neve Private Dining Room**



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Use hashtag **#WORM15**



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