

**FACULTY
SUCCESS
SEMINARS**



**University
of Idaho**

*Please keep your microphone
muted until the Q&A session*

*Please note that this session
is being recorded*

LESSONS LEARNED FROM SERVING ON PROPOSAL REVIEW PANELS

RESEARCH AND FACULTY DEVELOPMENT FACULTY SUCCESS SEMINAR SERIES

Carly Cummings, PhD, CPRA

Director, Research and Faculty Development

Special Guests:

Dr. Lee Fortunato, Professor, Biological Sciences

Dr. Eric Mittelstaedt, Associate Professor, Geography &
Geological Sciences

Dr. Andreas Vasdekis, Assistant Professor, Physics

OFFICE OF RESEARCH AND FACULTY DEVELOPMENT (RFD)



I Mission: To provide the resources and services to University of Idaho faculty that enhance their success and productivity in their field of scholarly efforts, with the ultimate goal of growing the U of I's research enterprise

- Alignment with U of I strategic plan
- Across all disciplines



OFFICE OF RESEARCH AND FACULTY DEVELOPMENT (RFD)



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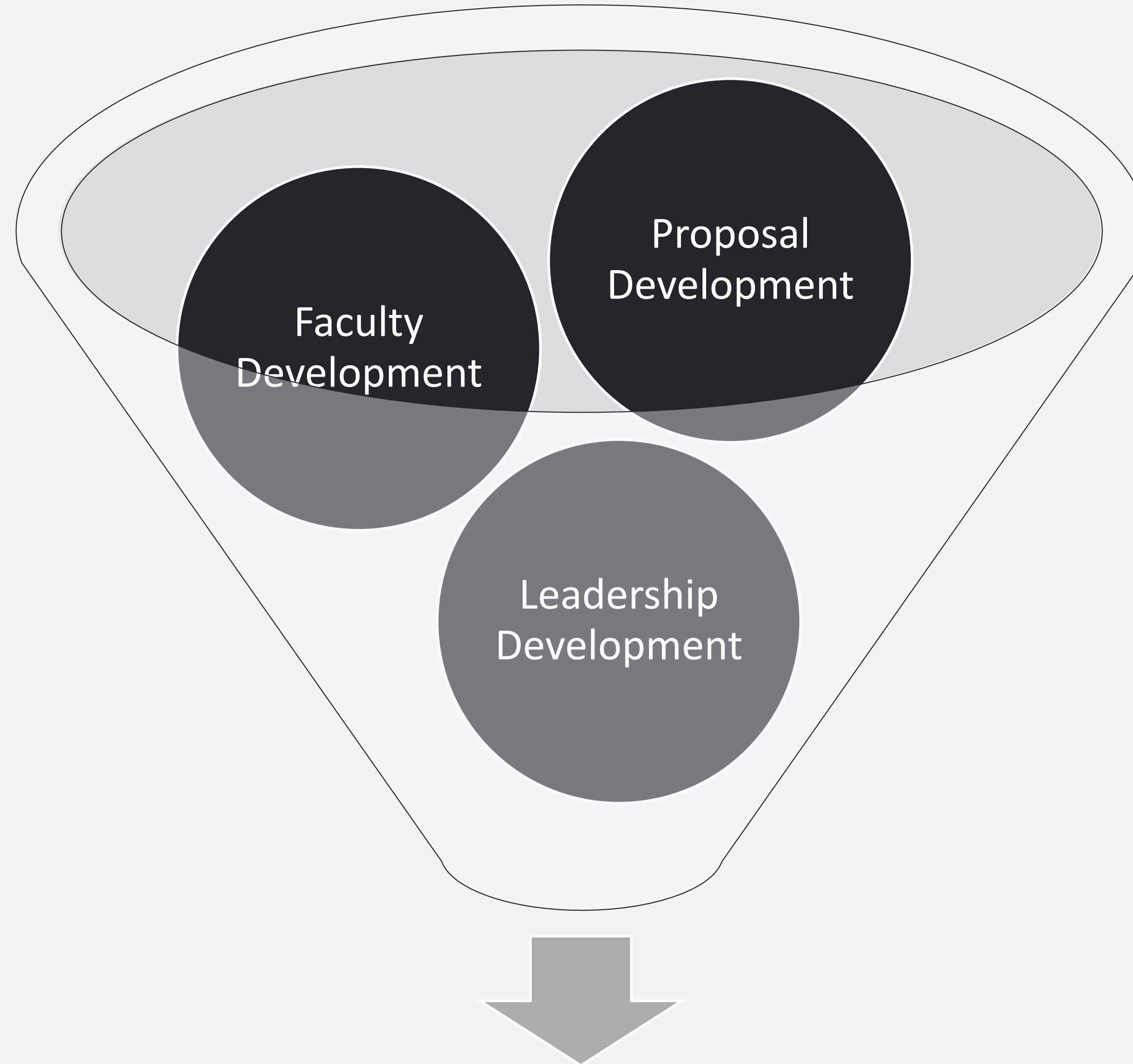
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WHAT DOES RFD DO?



Successful, funded research leaders

PROPOSAL DEVELOPMENT SERVICES



Level 0

- Brainstorming
- Strategic planning for submissions

Level 1

- Search for funding opportunities
- Training to use Pivot

Level 2

- Preparing to contact Program Officers
- Assessing “fit” of a proposed idea



Level 3

- Strategize for a resubmission
- Analyze reviews, develop responses

Level 4/5

- Ensuring proposal documents are clear, concise, cohesive, and responsive to the solicitation

Level 6

- Support for large, complex proposals
- Center grants, infrastructure, etc.



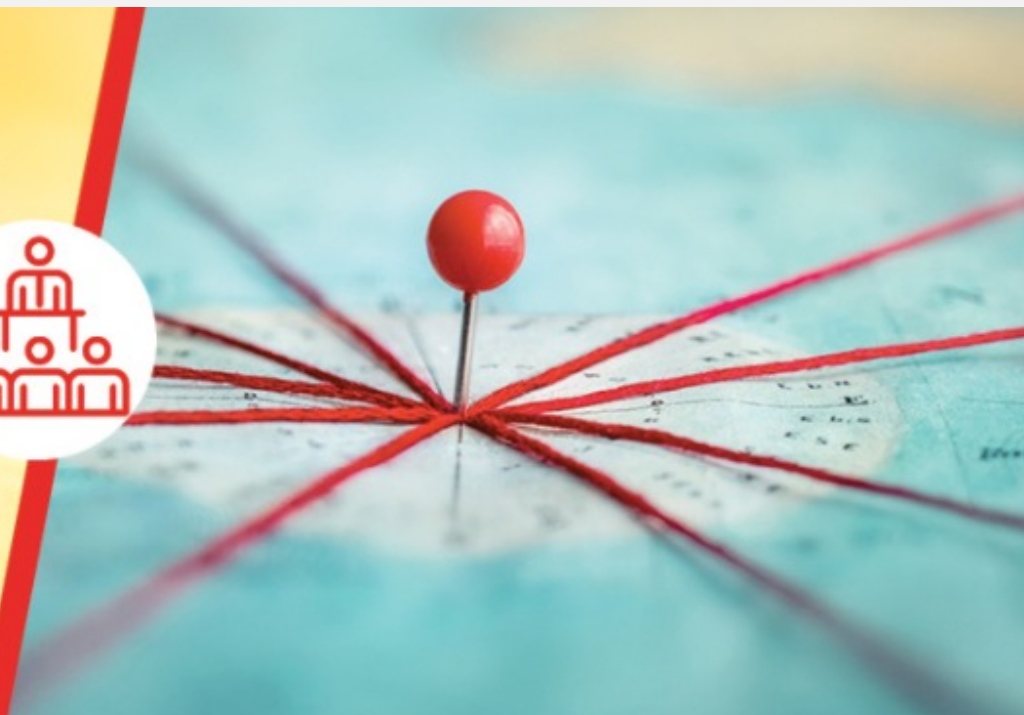
REQUEST RFD SERVICES

All services are optional and are granted on a first come, first served basis

FACULTY DEVELOPMENT



FACULTY SUCCESS SEMINARS



FALL 2021

- Sept. 8** Find Funding with Pivot, a Database of Grant Opportunities and More
- Sept. 15** M.J. Murdock Charitable Trust's Partners in Science Program
- Sept. 29** Partnering with the U of I McClure Center on Your Research: Why and How
- Oct. 6** Working with the Research and Faculty Development Team to Enhance the Competitiveness of Your Next Proposal
- Oct. 13** NSF CAREER: Essential Steps Toward Developing a Competitive Proposal
- Oct. 20** Improving Your Grant Competitiveness: Strategies for Resubmission
- Nov. 3** UPDATE: Mountain West Clinical and Translational Research-Infrastructure Network (MW CTR-IN) Funding
- Nov. 10** NSF S-STEM: Strategies for Competitive Proposals

SPRING 2022

- Jan. 19** Find Funding with Pivot, a Database of Grant Opportunities and More
- Jan. 26** Idaho Higher Education Research Council (HERC) Funding Opportunities
- Feb. 9** Lessons Learned from Serving on Proposal Review Panels
- Feb. 23** NSF Research Traineeship (NRT) Program: Strategies for Competitive Proposals
- Mar. 2** NSF CAREER: Getting Started on Your Proposal - *Now is the Time!*
- Mar. 30** First Impressions: Steps to Create a Captivating Proposal Title and First Page
- Apr. 6** Partnering with the U of I Project ECHO on Your Research: Why and How
- Apr. 13** Diversity, Equity, Inclusion, and Belonging: Broadening Participation in Funded Research



scan this to zoom with us



WE GUIDE THE DEVELOPMENT OF COMPETITIVE EXTERNAL GRANT PROPOSALS

ZOOM ID
uidaho.zoom.us/j/81586190096

Office of Research and Faculty Development

Email: ored-rfdteam@uidaho.edu
Website: uidaho.edu/orfd

LEADERSHIP DEVELOPMENT OFFERINGS



I Proposal Development Academy: *What You Need to Know Before You Write*

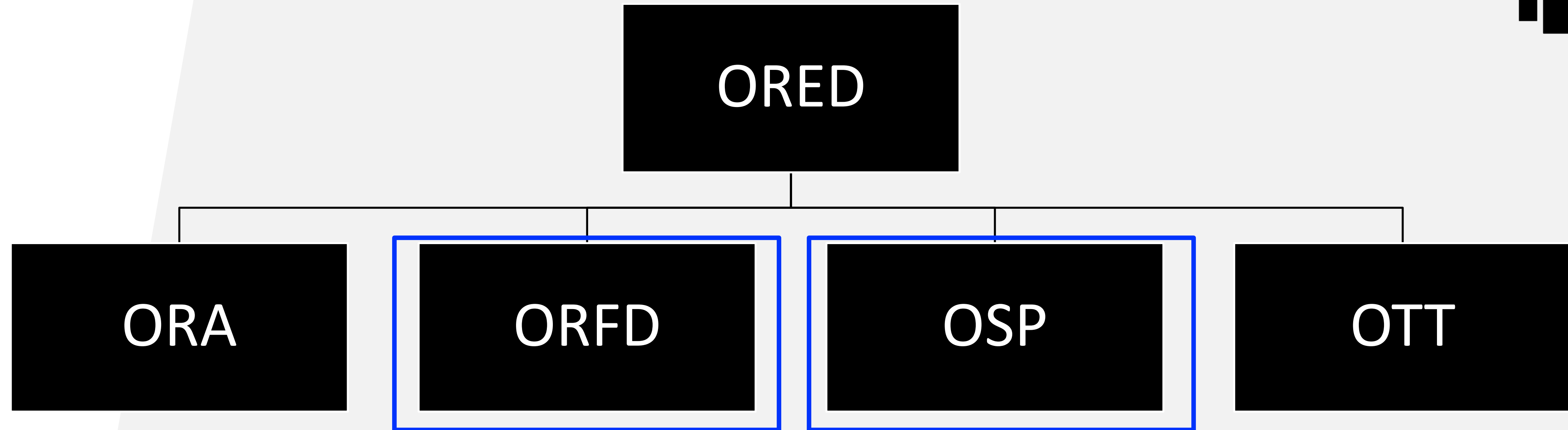
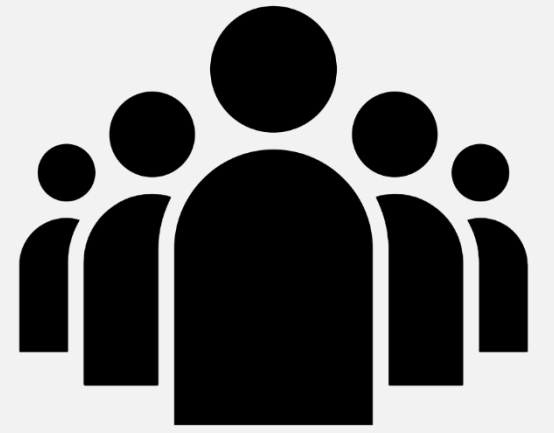
- Enhancing *grant readiness* of early-career faculty members

Topics
Developing a 5-year Research Funding Plan
Crafting A Research Funding Profile; Overview of Pivot
Uncovering Sponsors' Grant and Funding Data; Know your funder
Enhancing Your Grant Readiness: Contacting Program Officers; Institutional Resources
Dissecting Proposal Solicitations for Effective Proposal Writing
The Anatomy and Architecture of a Successful Proposal
Enhancing Your Grant Readiness: Collaborations, Colleagues, and Connections
Beyond the Narrative: Strategies for Supplementary Documents

- 9-week cohort program in Spring semesters
- Dean nomination to participate



OFFICE OF RESEARCH AND ECONOMIC DEVELOPMENT (ORED)



ORA: Office of Research Assurances

OSP: Office of Sponsored Programs

OTT: Office of Technology Transfer

AUDIENCE POLL



- I Submitted a proposal to external sponsor?
- I Served as a reviewer for an external sponsor?
- I Feeling confident in understanding the proposal review process for your “favorite” funding agencies?

PROPOSAL REVIEW PROCESS



- I Overview of NSF and NIH peer review processes
- I Learn from our experts about what happens on the “inside”
 - Understand what the proposal review process looks like
 - Tips for a successful proposal review

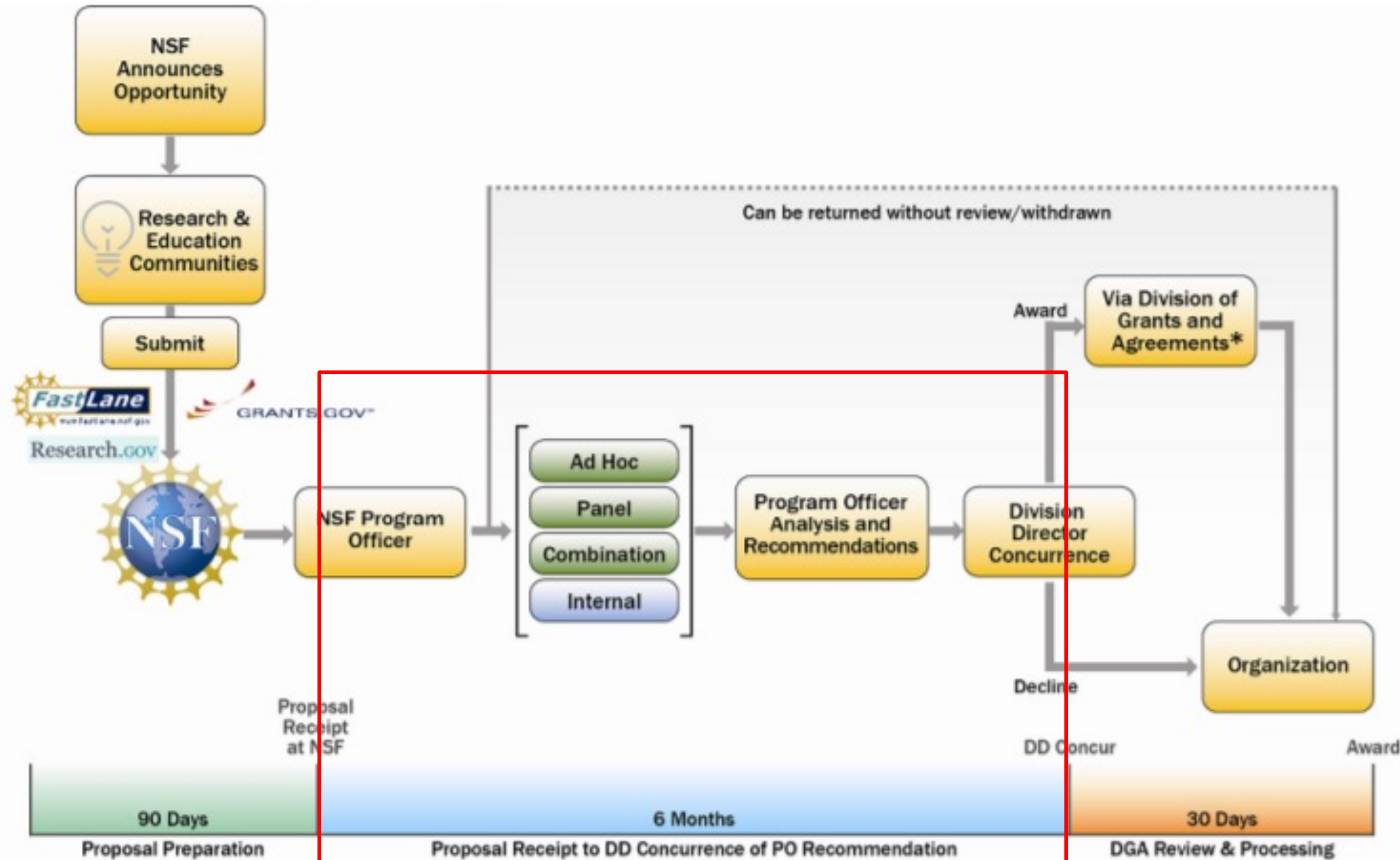
Enhance the competitiveness of your next proposal!



NSF MERIT REVIEW PROCESS



Figure 16. Diagram of the NSF Merit Review Process





NSF MERIT REVIEW PROCESS



I FY2019 [Report](#) on NSF Merit Review Process (Dec 2020)

- 41,024 proposals competitively reviewed (85% FY2018)

Table 7. NSF Proposal, Award, and Proposal Funding Rates

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Proposals	45,181	55,542	51,562	48,613	48,999	48,051	49,620	49,285	49,415	48,321	41,024
Awards	14,595	12,996	11,192	11,524	10,829	10,958	12,007	11,877	11,447	11,702	11,243
Funding Rate	32%	23%	22%	24%	22%	23%	24%	24%	23%	24%	27%

Source: NSF Enterprise Information System, 10/01/19.

- Funding rates vary among directorates (27% overall; 11,243 awards)
 - EHR: 22% → GEO: 37%
- Average # of proposals to be submitted before an award is made = 2.4
- NSF's goal is to inform at least 75% of PIs of funding decisions *within six months* of receipt of their proposals (61%)



NSF REVIEW RESOURCES



- I Introductory [video](#) (6:12)
- I NSF funded peers
- I Attend an [NSF Grants Conference](#)
 - Resource Center
- I Previous RFD presentation ([here](#))
- I NSF DEB Virtual Office Hour: How to Write a Great Review
 - Feb. 14: 1:00 – 2:00 p.m. ET
 - [Zoom](#)

Use the filters below to narrow your search and quickly find the resources you're looking for.

Search
Search...
SEARCH

Year
 2016
 2017
 2018
 2019
 2020
 2021
 2022

Year
 Presentation
 Webcast
 Webinar

Policy Office Topic and NSF Directorate
Select... ▼

2022 NSF Policy Office Webinar Series - January Webinar: Current and Pending Support
VIEW NOW

Fall 2021 Virtual Grants Conference: Introduction and NSF Overview
VIEW NOW

Fall 2021 Virtual Grants Conference: Proposal Preparation
VIEW NOW

Fall 2021 Virtual Grants Conference: Merit Review Process
VIEW NOW

Office of Inspector General
Fall 2021 Virtual Grants Conference: Office of the Inspector General
VIEW NOW

Fall 2021 Virtual Grants Conference: NSF Proposal and Award Policy Update
VIEW NOW

Directorate for Biological Sciences (BIO)

NSF GRANTS CONFERENCE

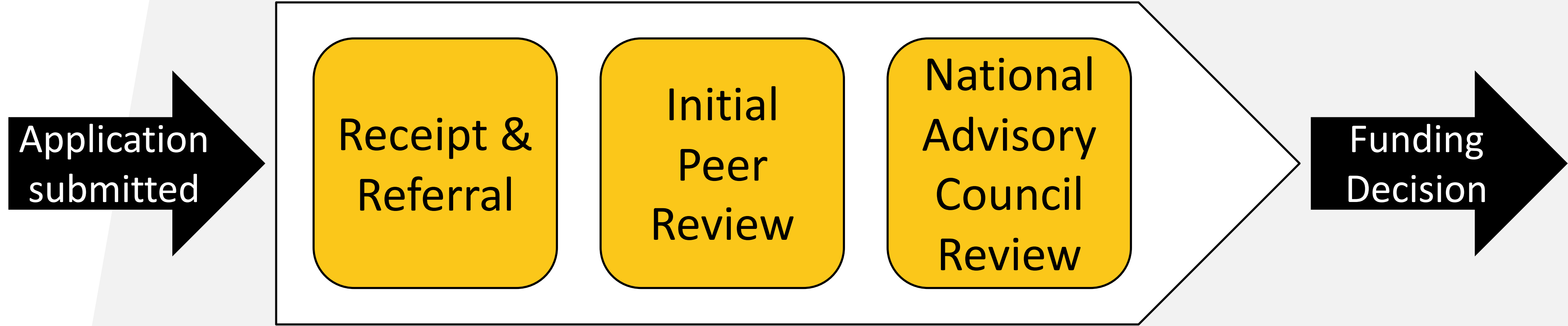
EHR Funding Opportunities
2021 NSF Virtual Grants Conference
VIEW NOW



NIH PEER REVIEW

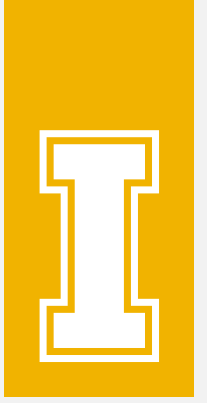


- Two-stage review process
 - Receipt and Referral (Assignment)
 - Level 1 – Initial Peer Review
 - Level 2 – National Advisory Council Review

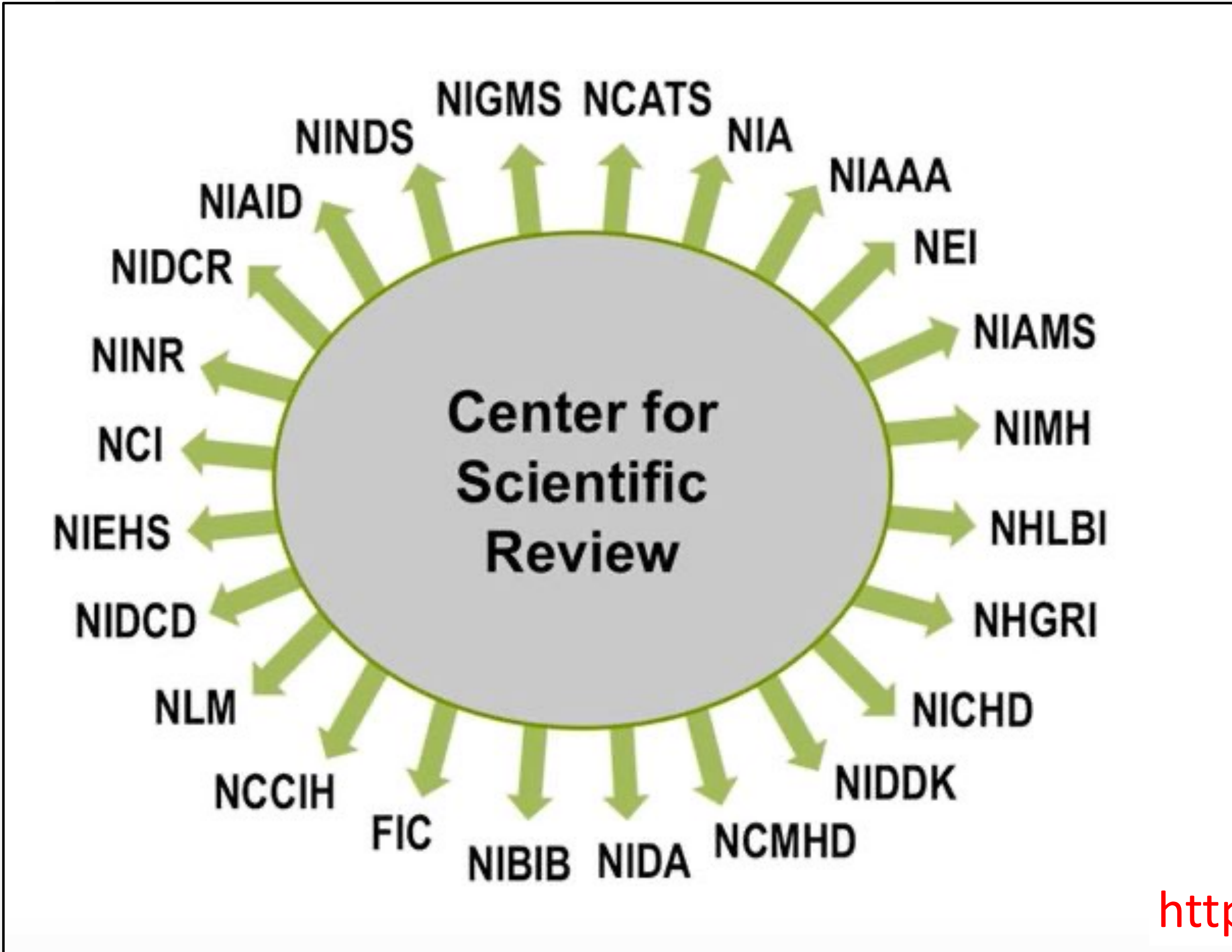




NIH CENTER FOR SCIENTIFIC REVIEW



Serves the 24 NIH Institutes and Centers *that fund grants*



<https://public.csr.nih.gov/>



NIH PROPOSAL REVIEW DATA

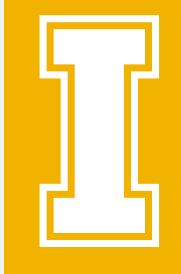


Table 2 – Research Project Grants (RPG)

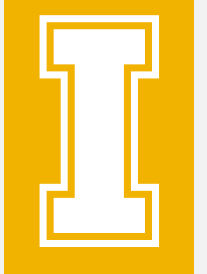
	2019	2020	2020 % Change from 2019
Number of research project grant (RPG) applications:	54,903	55,038	0.3%
Number of new or renewal (competing) RPG awards:	11,035	11,332	2.7%
Success rate of RPG applications:	20.1%	20.6%	2.4%
Average size of RPGs:	\$553,679	\$566,744	2.4%

Table 3 – R01-equivalent Grants*

	2019	2020	2020 % Change from 2019
Number of R01-equivalent grant applications:	35,085	36,250	3.3%
Number of new or renewal (competing) R01-equivalent awards:	7,366	7,767	5.4%
Success rates for R01-equivalent applications:	21.0%	21.4%	2.1%
Average size of R01-equivalent awards:	\$548,390	\$559,680	2.1%



NIH REVIEW RESOURCES



I NIH Regional Grants Conference

- Annual, typically Fall
- Listserv
- 2021 presentations

I RFD previous seminar ([here](#))

I NIH CSR YouTube videos

- NIH Peer Review Briefing for Basic Research Applicants & Reviewers [video](#) (1:03:11) – Dr. Francis S. Collins
- Let's Look at NIH Peer Review (2021) [video](#) (43:06)
- What Happens to Your NIH Grant Application [video](#) (21:11)
- Top 10 Peer Review Q&As for NIH Applicants [video](#) (14:01)
- R01 Grants: Navigating Peer Review [video](#) (1:01:07)
- CSR Insider's Guide to Peer Review for Applicants [video](#) (12:34)

VOLUNTEER TO BE A REVIEWER



I Why?

- Watch how the reviewers work – what they like/dislike
- Read good (and bad) proposals
- Networking with peers and PO

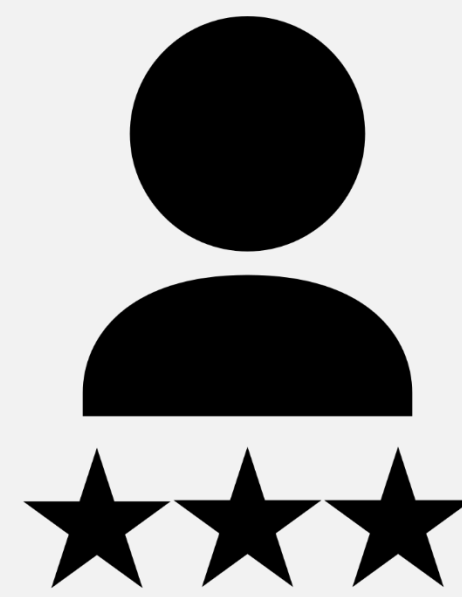
I How?

- [NSF process](#)
- [NIH process](#)
 - [Early Career Reviewer Program](#)
- Other sponsors – [Contact us](#)



LET'S ASK OUR EXPERTS

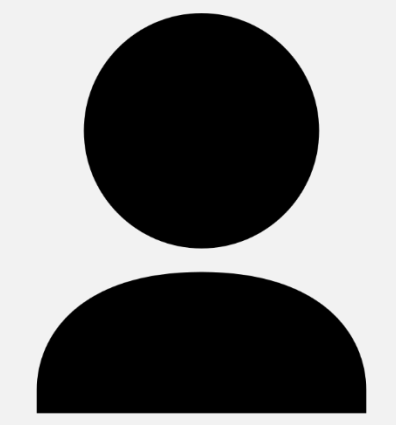
DRS. LEE FORTUNATO, ERIC MITTELSTAEDT, ANDREAS VASDEKIS



I Quick introduction:

- Department
- Brief description of your research and funding history
- Describe your proposal review experience – which agency(ies), how many times?

LET'S ASK OUR EXPERTS



DRS. LEE FORTUNATO, ERIC MITTELSTAEDT, ANDREAS VASDEKIS

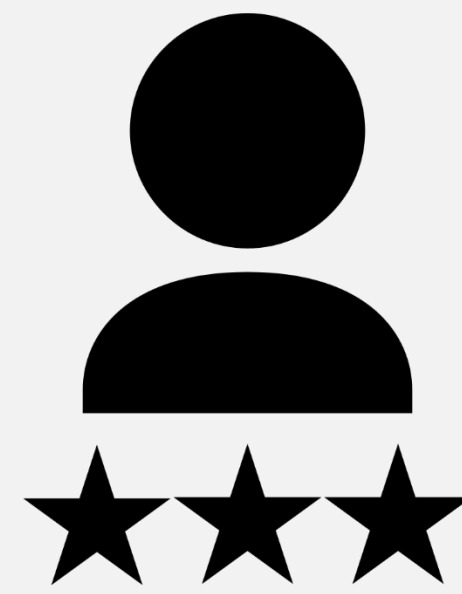


I Experience serving on NSF, NIH, or other proposal review panels

- Why did you do volunteer?
- Expectations *prior to a review panel meeting*?
 - How many proposals did you review?
 - Technical expert for all?
 - Time to read and review?
- What happens *during a panel meeting*?
 - Role of PO/SRO?
 - Describe the process for discussing proposals
- Differences between programs/directorates/study sections?

LET'S ASK OUR EXPERTS

DRS. LEE FORTUNATO, ERIC MITTELSTAEDT, ANDREAS VASDEKIS



- I What shared characteristics made a proposal *strong*, memorable?
- I What shared characteristics made a proposal *weak*?
- I Surprising things you learned
- I How this experience affected your proposal writing?
- I Advice to those new to proposal writing

THANK YOU FOR COMING!



QUESTIONS?

