



Center for  
Scientific Review

# 2019 CSR Incoming Chair Orientation

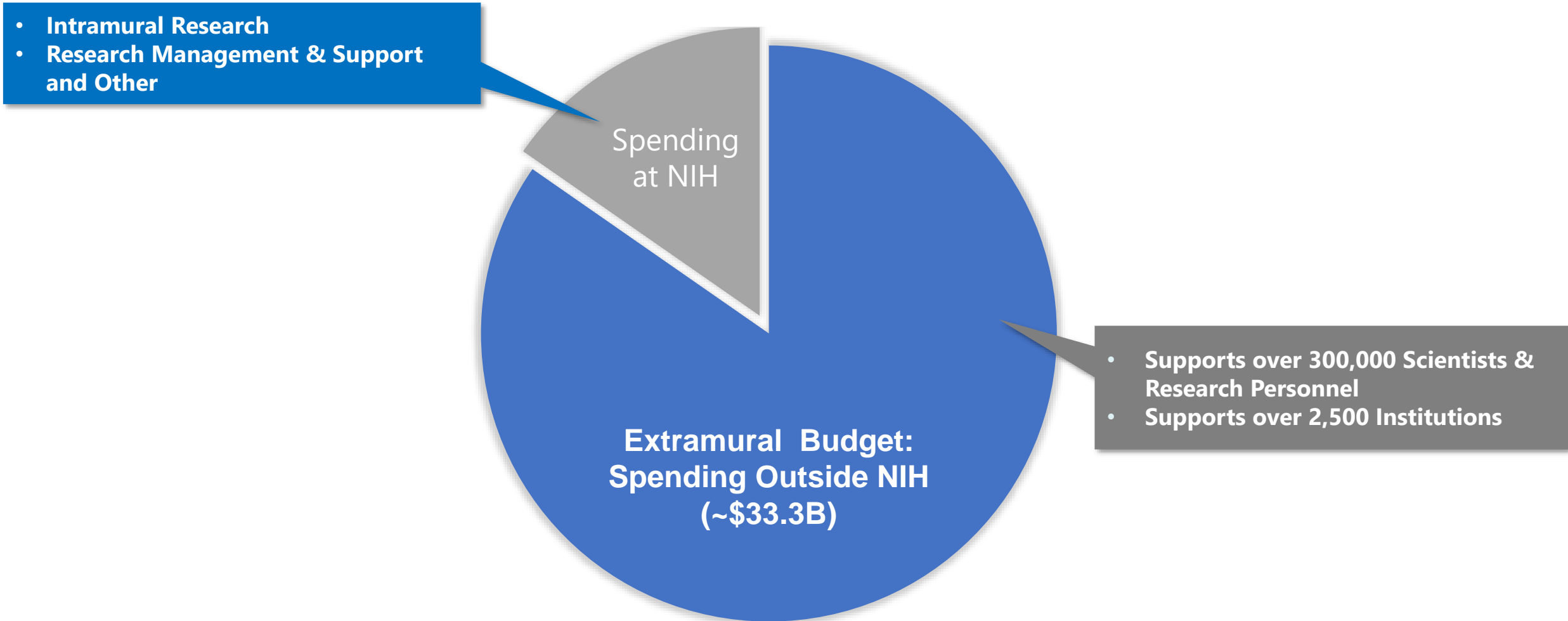
## *Brief Overview - Key Issues In Peer Review*

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# The Critical Importance of Peer Review – The Main Driver of NIH Extramural Funding

## FY 2019 NIH Budget: \$39.3 Billion



# CSR Mission



Center for  
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To ensure that NIH grant applications receive fair, independent, expert, and timely reviews - free from inappropriate influences - so NIH can fund the most promising research.



# You and the NIH: **Integrity** in the Peer Review Process



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# Integrity of the Peer Review Process

**Critically important for all of us**

- Maintaining the public trust in the NIH's stewardship of taxpayer dollars to support U.S. biomedical science research
- Confidentiality is critical for candor in discussion and evaluation, and thus impacts the very basis of the peer review process
- Will take the support of the entire research community – investigators, reviewers, chairs, NIH staff, institutional officials
- NIH is taking this issue very seriously– not widespread problem, but increased reporting/action – culture change

# Integrity of the Peer Review Process

What is the NIH Doing? More reporting/action



## ACTIONS

- Following up on every allegation

Actions have included

- Deferral of application
- Withdrawal of application
- Removal from serving on peer review committees
- Notifying the institution of the PI or reviewer which has led to personnel actions
- Pursuing government-wide suspension and disbarment, or referral to other agencies for criminal violations



## PRO-ACTIVE MEASURES

- Review Integrity Officer
- Enhanced Reporting – SRO signature
- Enhanced SRO Awareness and Training
- Reviewer/Chair Awareness and Training - Online Module with Case Studies
- Tighter IT controls
- Outreach to scientific community – culture change

# Integrity of the Peer Review Process

## What Can You Do As Chair?

- Absolute confidentiality of the meeting materials and proceedings – scores, discussions, application content, critiques
- No ex parte hallway or dinner discussions (without the entire panel assembled and the SRO present) – model good behavior yourself, call it out when you see it, change the culture, tell the SRO.
- Be prudent about accepting seminar invitations from applicants while their application is under review
- Err on the side of caution – report any potential violations to your SRO, or the CSR Review Integrity Officer [csrrio@mail.nih.gov](mailto:csrrio@mail.nih.gov) or the NIH Review Policy Officer at [reviewpolicyofficer@mail.nih.gov](mailto:reviewpolicyofficer@mail.nih.gov)



# You and the NIH: **Fairness** in the Peer Review Process



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# Fairness of the Peer Review Process

## What Can You Do As Chair?

- Recognize your influence
- Actively foster a positive study section culture - confidentiality, integrity, encouraging broader participation/inclusion across the committee
- Promote consistency in scoring – score/word match, aligned to score guidance

# Fairness of the Peer Review Process - Getting at Significance

## If successful (if everything works).....

- No one wants to call the baby ugly
- Easier to pick on methodological weaknesses – unfair to the applicant
- Encourage thoughtful scientific discourse of potentially significant versus incremental advance – ask the question
- Call out score justifications based on counts or descriptors of weaknesses (“1 major and 2 minor weaknesses”) – orient back to the score chart – a potentially incremental advance with NO weaknesses in the approach cannot score in the 1-3 range.

## Overall Impact:

The likelihood for a project to exert a sustained, powerful influence on research field(s) involved

Overall Impact	High			Medium			Low		
Score	1	2	3	4	5	6	7	8	9

## Evaluating Overall Impact:

Consider the 5 criteria: significance, investigator, innovation, approach, environment (weighted based on reviewer's judgment) and other score influences, e.g. human subjects

e.g. Applications are addressing a problem of high importance/interest in the field. May have some or no technical weaknesses.

e.g. Applications may be addressing a problem of high importance in the field, but weaknesses in the criteria bring down the overall impact to medium.

e.g. Applications may be addressing a problem of moderate importance in the field, with some or no technical weaknesses

e.g. Applications may be addressing a problem of moderate/high importance in the field, but weaknesses in the criteria bring down the overall impact to low.

e.g. Applications may be addressing a problem of low or no importance in the field, with some or no technical weaknesses.

5 is a good medium-impact application, and the entire scale (1-9) should always be considered.



# This Is CSR





**Q/A, Discussion**  
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