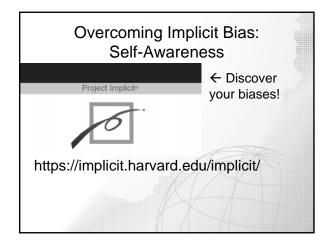


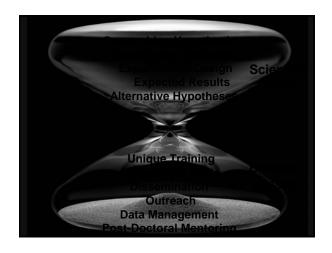
<section-header><section-header><list-item> <section-header> • Impact of Blind Auditions on Gender • Impact of names on Interview invitations • Impact of Height on Salary • Impact of Height on Salary • Evaluation of Fellowship Applicants

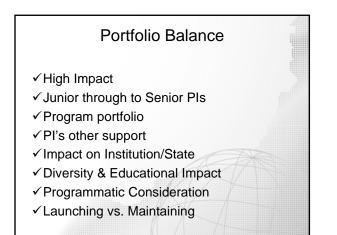


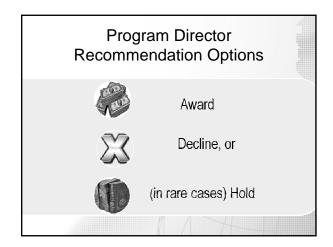
Program Director Responsibilities Ensuring Diversity & Balance Select Appropriate Reviewers · It's PD's responsibility to find reviewers of · Guide Reviewers, as needed diverse backgrounds! · Use input from reviewers (unless external - Junior/Senior - Geographic review is waived) and write Internal Review - Gender, Race & Ethnicity Analysis on every proposal - Individuals with disabilities - Summarize Review budget - Types of institution - Evaluate and Justify & co-funding - Expertise opportunities - Recommend - New vs. Experienced Reviewers - Maintain a balanced budget and program portfolio

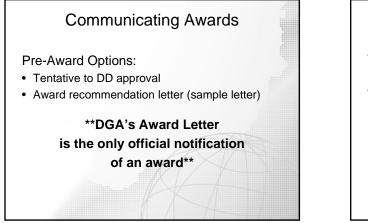
Overcoming Implicit Bias: Sensitivity & Structure

- Raise awareness
- Prime fairness
- Commit to merit review criteria
- Reduce time pressure & distractions
- Ask yourself and your reviewers, "What is the likelihood that this would be a concern for a <insert a different demographic>?"
- When necessary, stop the panel & address bias



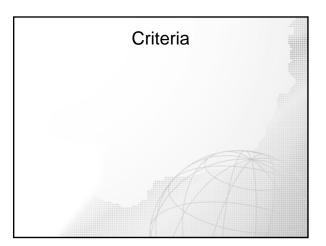












Merit Review Criteria

The Grant Proposal Guide (GPG) contains a description of the Merit Review Criteria

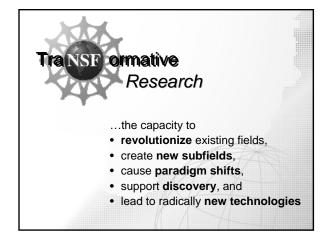
- Intellectual Merit
- Broader Impacts
- Program specific criteria

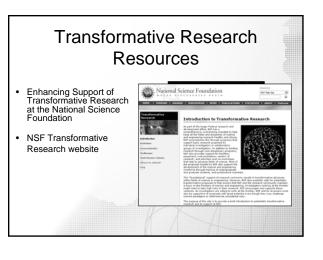
Integration of Research & Education

Integrating Diversity into NSF Programs, Projects & Activities; Broadening Participation

Intellectual Merit Considerations

- Important to advancing knowledge and understanding within own field or across different fields?
- •Qualifications of individual or team?
- •Quality of prior work?
- Creative, original or potentially transformative concepts?
- •Well-conceived and organized?
- Access to resources?





Broader Impacts Considerations Teaching, training, and learning Inclusion of underrepresented groups Improved infrastructure Broad dissemination Societal benefits

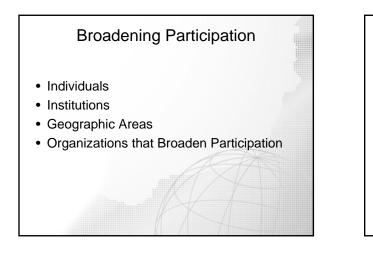
Materials World Network: (MWN)

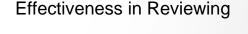
NSF 10-588

- Additional Review Criteria:
- · value added by the proposed international collaboration
- extent to which the collaboration integrates research and education, broadens participation of underrepresented groups, and creatively addresses broader impacts review criterion
- Preference: where intellectual efforts in US and abroad are balanced and where students and junior researchers participate in

international research experiences.

 strong preference will be given to proposals with support from both NSF & the counterpart organization.





- When to question if you should do a review?
- · What to Avoid in your reviews
- How effective is your review in molding the decision?
- Examples of effective and ineffective statements from reviews
- Lynnette's Wish List

Conflicts of Interest (COIs)

- · Not at arms length
 - you and/or your spouse work at this institution, recently worked at it, or are being considered for positions at it), accepted \$ from institution in past year, serve on board, ...
 - You are collaborating with PI/Co-PI and/or have published with them in past 4 years, co-editing past 2 years, business or family relationship, ...
- · You cannot be impartial
- If uncertain, ask me reviews with COIs cannot be used or released to the PI

What NOT to Address

AVOID:

- Comments on the PI's career future (e.g., "coming up for tenure")
- Penalizing for failure to address previous reviewers comments -- each proposal is considered NEW.

Effective Reviews

- Provide a clear opinion (not a description of the proposal)
- Opinion is justified
 - Explanation
 - Published reference/s
 - Examples from proposal
- Opinions that cover many of the key components under intellectual merit, broader impacts, additional review criteria, diversity and/or education

Examples from Reviews IM: Further development of X will lead to the Y, which will allow studying various intrinsic Z properties. Comment: Informative: puts work into a broad context. BI: The proposed research will also have a great impact on education, particular the graduate education. Comment: It is unclear why there is an impact on education. BI: The broader impact of the proposed research

- program is obvious.
- Comment: Reviewer needs to state anticipated impact of activities.

Examples from Reviews

- <u>IM</u>: Two investigators with complementary skills have come together for this effort.
- Comment: Tells me why there are two researchers on this project.
- <u>BI</u>: The X is positive in this section but I expected a bit more from a Career proposal.
 Comment: It is not clear what the expectation of this reviewer is.
- <u>BI</u>: The broader impact is typical with graduate and undergraduate research and curriculum development along with dissemination to industry and in the form of publications.
 - Comment: Interaction with industry is not usual. It is not clear whether this reviewer is positive or negative about the broader impacts.

Examples from Reviews

- <u>Summary</u>: Overall, this is an excellent proposal with clear and solid research goals. The experimental approach is unique and the PI's extensive previous experience has positioned her very well to carry out the planned research work.
 - Comment: Super reviewer conveys overall opinion and justifies it.
- <u>BI</u>: Undergraduate students would have a chance to work on some of the proposed work.
 - Comment: Faint praise? Weak statement.



Lynnette's Wish List

- Write a great review & submit via fastlane within 6 weeks & suggest other reviewers, particularly ones from industry or underrepresented groups and include their email addresses
- Write a great review within 6 weeks
- Write a review within 2 months
- Decline to review in fastlane within 2 weeks, but suggest other reviewers
- Decline to review & let me know somehow