

NSF Perception, Action, and Cognition Program FY2023 Newsletter

Once again, we would like to extend our heartfelt thanks to the many members of our research communities who contributed time and expertise to the merit review process in the last year. Maintaining a rigorous review process requires a large number of ad hoc reviewers across a wide range of expertise. The dedication of the PAC community continues to amaze.

Opportunities you should know about:

1. [Stimulating Integrative Research in Computational Cognition \(CompCog\)](#)
2. [A Broader Impacts Framework for Proposals Submitted to NSF's Social, Behavioral, and Economic Sciences Directorate](#)
3. [Centers of Research Excellence in Science and Technology \(CREST Centers\) in Social, Behavioral and Economic Sciences Research](#)
4. [Incorporating Human Behavior in Epidemiological Models \(IHBEM\)](#)
5. [Stimulating Diversification in Language Science Research \(LangDiv\)](#)
6. [Reproducibility and Replicability in Science](#)
7. [High School Student Research Assistantships in the Social, Behavioral and Economic Sciences \(SBE-High\)](#)
8. [STEM Access for Persons with Disabilities \(STEM-APWD\)](#)
9. [Research Opportunity Award \(ROA\): Supplement Opportunity](#)
10. [Balancing the Scale: NSF's Career-Life Balance Initiative](#)
11. [Smart Health and Biomedical Research in the Era of Artificial Intelligence and Advanced Data Science \(SCH\)](#) – Check out Theme 6!!

For more funding opportunities within the Social, Behavioral, and Economic Sciences directorate, visit the [SBE programs webpage](#). Check back periodically because new opportunities will be posted as they are released.

As always, check the [PAC website](#) for updates to our program description as well as links to recent awards and other opportunities for funding at NSF that may be of interest to our broad research community.

Before submitting any proposal to NSF:

1. Check the specific program webpage for the description and the link to the solicitation (if there is one). There are often changes to the requirements and description. Don't use old information!
2. Check the [Proposal & Award Policies & Procedures Guide \(PAPPG\)](#), which updates every year.
3. It's always a good idea to email a one-page description of your proposed work to **all** potentially relevant Program Officers (in one email), to find out if you're planning on

submitting to the best-fit program for your work. Using the Project Summary as a model for the one-pager is often useful.

Fiscal Year 2023 PAC Awards

We are excited to announce a new group of research awards for the PAC portfolio from fiscal year 2023. You can find a list of all the awards that PAC made or contributed to on the following pages. If you would like to know more about any of the awards, simply click [here](#) and enter the 7-digit Award Number in the search field. That will bring up a link to the award. Click on the title to see the public abstract.

Award Number	Principal Investigator	Title
2234748	Joshua Cashaback	CAREER: Moving During Deliberation-Online Interplay Between Deciding and Acting
2235362	Abhilasha Kumar	Collaborative Research: CompCog: Modeling Search within the Mental Lexicon
2235363	Michael Jones	Collaborative Research: CompCog: Modeling Search within the Mental Lexicon
2238151	John Jonides	Probing attentional allocation with a novel forced-response method
2238179	James Todd	Collaborative Research: Visual Information about surface curvature from patterns of image shading and contours
2238180	Flip Phillips	Collaborative Research: Visual Information about surface curvature from patterns of image shading and contours
2238880	Raviraj Nataraj	CAREER: Personalizing sensory-driven computerized interfaces to optimize motor rehabilitation
2239356	Rhea Eskew	Time-Locked Psychophysics: Speeded Responses to Visual Stimuli
2240255	Yusuke Yamani	Collaborative Research: Understanding Why Vigilance Declines Over Time
2240256	Jason McCarley	Collaborative Research: Understanding Why Vigilance Declines Over Time
2240330	Psyche Loui	Reward Prediction in Creative Perception and Production
2240349	Khalil Iskarous	CompCog: Deep causal inference grounds the perception of cognitive objects in speech
2240406	Joshua McDermott	The Perception and Cognition of Sound Texture
2240535	Ayanna Thomas	SPARKing Representation in Cognitive Science

Award Number	Principal Investigator	Title
2240815	Michelle Greene	CAREER: Efficient coding of visual, structural, and semantic scene information
2312373	Thomas Griffiths	Collaborative Research: CompCog: RI: Medium: Understanding human planning through AI-assisted analysis of a massive chess dataset
2316474	Isabel Gauthier	Components, Correlates and Mechanisms of Object Recognition
2316716	Qiong Zhang	CompCog: Towards a unified account of when external cues are beneficial or detrimental during memory search
2316909	Tamar Gollan	NSF-BSF: The Dominance Shift in Mixed-Language Production vs. Comprehension
2317121	Nazbanou Nozari	An adaptive model of lexical repairs in language production
2317124	Ian Dobbins	Foundations of Social Metamemory
2319108	Hannah Block	Retention and generalization of cross-sensory recalibration in hand perception
2319133	Cathleen Moore	Mid-level visual processing in peripheral vision
2319234	Fabian Soto	Understanding the conditions and content of face learning underlying race perception biases
2329776	Wilma Bainbridge	EAGER: Characterizing the intrinsic memorability of voices

Conference awards:

Award Number	Principal Investigator	Title
2333389	Angela Gutchess	Conference: Interdisciplinary and International Perspectives for Research in Cognition (funded with help from Cultural Anthropology)

Award Number	Principal Investigator	Title
2333229	Karen Schloss	Females of Vision, et al. (FoVea): Increasing Success, Visibility, and Impact of Women in Vision Science
2314725	Jonathan Brennan	Conference: Socially Situated Language Processing: Special Sessions at the Human Sentence Processing 2024 Conference (Funded by Linguistics with help from PAC)

PAC also funded 6 supplement awards for stipends for Research Experiences for Undergraduates, One Career-Life Balance supplement, and one Research Opportunity Award.

We hope you find this summary useful. Send us your best work and please continue to be generous and accommodating reviewers.

IMPORTANT NOTICE: NSF mail is still going to many people's spam folder. Please set an exception for NSF.GOV in your email system and check that your correct email address is in the NSF database (with no auto-forward involved). Of course, if NSF emails are being filtered as spam, you won't know it because you won't receive this newsletter. Sigh.

Thank you again for all your work of behalf of the field. As always, feel free to be in touch with your comments, questions, or concerns.

Betty Tuller and Simon Fischer-Baum
 Program Directors
 Perception, Action, and Cognition