

NSF Perception, Action, and Cognition Program FY2021 Newsletter

First and foremost, 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. And this year, reviewers donated their time and expertise despite the added stress and responsibilities brought on by COVID-19 (on-line teaching, Zoom burnout, etc.). The dedication of the PAC community takes our breath away.

General considerations

***Sign up for [the PAC Mailing List](#) ***

NSF e-mails/announcements specific to the PAC community

Check out the [brand-new search engine to find NSF funding opportunities](#).

View more funding opportunities within the Social, Behavioral, and Economic Sciences directorate by visiting the [SBE Funding Opportunities website](#). New opportunities are 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.

Specific opportunities relevant to the PAC Community

1. [Science of Learning and Augmented Intelligence \(webpage link\)](#)
2. [Robust Intelligence \(webpage link\)](#)
3. [Mind, Machine and Motor Nexus \(M3X\) \(webpage link\)](#)
4. [Human Networks and Data Science \(webpage link\)](#)
5. Dear Colleague Letter: [Stimulating Integrative Research in Computational Cognition \(CompCog\) \(webpage link\)](#)
6. [Integrative Strategies for Understanding Neural and Cognitive Systems \(NCS\) \(webpage link\)](#)
7. [The Future of Work at the Human-Technology Frontier \(webpage link\)](#)

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 and Award Policies and Procedures Guide \(webpage link\)](#), which updates every year.

3. 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 is often useful.
4. Read the [Dear Colleague Letter: Effective Practices for Data \(webpage link\)](#), and [Dear Colleague Letter: A Broader Impacts Framework for Proposals Submitted to NSF's Social, Behavioral, and Economic Sciences Directorate \(webpage link\)](#).

Fiscal Year 2021 PAC Awards

We are excited to announce a new group of research awards for the PAC portfolio from fiscal year 2021. 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 [use this link to open the NSF award search webpage](#) 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.

Proposal number	PI Name	Proposal Title
2043328	Joo-Hyun Song	Collaborative Research: Emergent motor timing influences perceptual learning
2043318	Dagmar Sternad	Collaborative Research: Emergent motor timing influences perceptual timing
2043637	James Finley	Computational Strategies for Balancing Trade-offs between Risk and Effort during Walking
2043667	Michael Beran	Cognitive Self-regulation and Metacognition in Comparative and Developmental Perspective
2043717	David Poeppel	Audiomotor Speech Rhythms and Their Perceptual Consequences
2043740	Monica Rosenberg	Predicting attention fluctuations and their consequences for memory from functional brain connectivity
2043903	James Magnuson	Collaborative Research: CompCog: Psychological, Computational, and Neural Adequacy in a Deep Learning Model of Human Speech Recognition
2043950	Kevin Brown	Collaborative Research: CompCog: Psychological, Computational, and Neural Adequacy in a Deep Learning Model of Human Speech Recognition
2045624	Nicholas Gaspelin	CAREER: Understanding the Relationship of Covert and Overt Attention Using Concurrent EEG and Eye Tracking
2045778	Julian Jara-Ettinger	CAREER: The social representation of the physical world
2047191	Judith Fan	CAREER: Mechanisms enabling the flexible expression of visual concepts

Proposal number	PI Name	Proposal Title
2043328	Joo-Hyun Song	Collaborative Research: Emergent motor timing influences perceptual learning
2048381	Sarah Creel	Self-comprehension as a window on perception-production relationships
2116968	John David Smith	Towards a better understanding of explicit-declarative learning in humans and non-human primates
2117664	Charles Nagle	Collaborative Research: A longitudinal approach to examining perception-production links in second language speech sound learning.
2117665	Melissa Baese-Berk	Collaborative Research: A longitudinal approach to examining perception-production links in second language speech sound learning.
2118195	Lin Chen	Incremental Comprehension during First and Second Language Reading of Authentic Texts Assessed through Statistical Models, ERPs, and Behavioral Measures
2120507	Elizabeth Schotter	Collaborative Research: The role of perceptual and word identification spans in reading efficiency: Evidence from deaf and hearing adults
2120546	Karen Emmorey	Collaborative Research: The role of perceptual and word identification spans in reading efficiency: Evidence from deaf and hearing adults
2120610	Fulvio Domini	A test of a novel non-probabilistic model of 3D cue integration
2120712	Ulrich Mayr	Calibration of internal representations vs. external information for the control of action
2120834	Naomi Feldman	CompCog: Computational Models of Plasticity and Learning in Speech Perception
2120932	Alexia Galati	Identifying multimodal dynamics of coordination to understand joint performance in diverse tasks
2121009	Joshua Tenenbaum	Collaborative Research: CompCog: Adversarial Collaborative Research on Intuitive Physical Reasoning
2121074	Roger Levy	CompCog: Noisy-channel processing in human language understanding
2121102	Todd Gureckis	Collaborative Research: CompCog: Adversarial Collaborative Research on Intuitive Physical Reasoning
2138047	Catherine Arrington	Women in Cognitive Science: Networking, Visibility, and Career Pathways
2138003	Sara Aronowitz	Memory, Space, and Time Workshop

PAC contributions to awards made by other programs:

Linguistics

Proposal number	PI Name	Proposal Title
2041171	Anna Papafragou	Event Structure in Language and Cognition

Mind, Machine and Motor Nexus

Proposal number	PI Name	Proposal Title
2046552	Yun Song	CAREER: Advancing Physical Human-Robot Interaction through Intuitive Sensorimotor Communication
2045014	Sam Burden	CAREER: Human/Machine Collaborative Learning and Control of Contact-Rich Dynamics

Law and Science

Proposal number	PI Name	Proposal Title
2044092	Thomas Albright	A Perceptual Scaling Approach to Eyewitness Identification

PAC also awarded several supplements for Research Experiences for Undergraduates, and for support of graduate students and postdoctoral fellows.

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

IMPORTANT: NSF mail is still going to many spam folders. 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.

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