



SOCIETY FOR PSYCHOPHYSIOLOGICAL RESEARCH

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STUDENT NEWSLETTER

2022 Hybrid SPR Annual Meeting

September 28 - October 2nd, 2022

Hyatt Regency Hotel, Vancouver

Join us for this year's SPR Annual Meeting in Vancouver, British Columbia, Canada! This year's hybrid in-person and virtual meeting promises a collection of interesting and engaging symposia, panel discussions, and presentations!

[sprweb.org/2022 Annual Meeting](https://sprweb.org/2022%20Annual%20Meeting)

IN THIS ISSUE

2022 Hybrid SPR
Annual Meeting

2022 Invited Speakers

2022 Workshops & Symposia

2022 Deadlines & Timelines

SPR International Students
Exchange Forum

2021 Poster Award Winners

New to SPR and Food
for Thought

2022 ANNUAL MEETING

SPR remains committed to having an in-person Annual Meeting this Fall. At the same time, we fully recognize the complexities and uncertainties related to the ongoing COVID-19 pandemic and we are also committed to offering as much hybrid flexibility as possible for all attendees and presenters to join. We will keep everyone updated as hybrid plans for the 2022 meeting come into clearer focus and we appreciate your patience and understanding.



INVITED SPEAKERS



Stephanie R. Jones, PhD
Brown University



Sonja A. Kotz, PhD
Maastricht University



Richard B. Ivry, PhD
University of California,
Berkeley



2022 ANNUAL MEETING WORKSHOPS & SYMPOSIA

Presidential Symposium

This year's Presidential Symposium will highlight research on transcranial focused ultrasound stimulation, a promising novel technique for non-invasive brain stimulation that is likely to be well integrated in future psychophysiological research.

2nd Annual Symposium on Diversity, Representation, and Inclusion

This new event is co-organized by the Diversity and Outreach Committee and Women in Science and Education Committee. The topic for this year's symposium is sex and gender and their importance to psychophysiological research.

"Big Ideas" Sessions

This year's "Big Ideas" Symposia will highlight exciting research on the themes of:

- Psychophysiology of Cognitive Control and Executive Functions
- Psychophysiology in Neurological Disorders and Stroke
- New Methods in Psychophysiology

2022 Workshops

ERP Bootcamp
With Emily Kappenman,
PhD

Toolboxes for the
Analysis of Aperiodic
Signals
With Bradley Voytek,
PhD

Multi-Level Modeling
Workshop
With Elizabeth Page-
Gould, PhD

2022 ANNUAL MEETING DEADLINES & TIMELINES



ABSTRACTS

Poster Abstract Submissions:

March 22 - April 29, 2022

Posters with a student first author (graduate student, undergraduate student, or pre-doctoral research assistant/associate) are eligible for a Student Poster Award!

Late-Breaking Student Posters:

June 1 - July 1, 2022

Limited acceptance for posters with undergraduate (current or 2022 graduate) first authors.

Big Idea Submissions:

March 22 - April 29, 2022

Submit your abstract for a single talk related to a “Big Idea” for selection by the Program Committee to maximize the breadth of theoretical perspectives, methods, measurement approaches, and diversity of presenters. The Big Ideas are:

- Psychophysiology of Cognitive Control and Executive Functions
- Psychophysiology in Neurological Disorders and Stroke
- New Methods in Psychophysiology

There will also be an opportunity to indicate your interest in participating in the Second Annual President’s Symposium on Diversity, Representation, and Inclusion. This year’s topic is Sex and Gender. Submissions should consist of individual abstracts.

2022 ANNUAL MEETING DEADLINES & TIMELINES



GRANTS & AWARDS

The Research Training Grant and the SPR Research Travel Award will be returning in 2022! Visit the SPR website (sprweb.org) for further details on eligibility, applications, and due dates.

SPR Research Training Grant ([Learn More](#))

The award will allow students or postdocs to obtain mentorship/training in psychophysiological assessment/analysis with experts in the field, which they could not get at their home institution. This could involve travel to a remote site or travel expenses for a remote mentor to visit the applicant's lab. Each applicant may include a budget of up to \$5,000.00 U.S.

SPR Research Travel Award ([Learn More](#))

The SPR Travel Awards specifically aim to assist predoctoral student members who would not be able to attend the meeting without funding from the Travel Awards program. Up to 20 awards will be made each year, 10 from the same continent as the meeting location and 10 from continents other than that of the meeting location.



2022 ANNUAL MEETING

SPR INTERNATIONAL STUDENTS EXCHANGE FORUM

Interested in working with psychophysicists abroad? Check out the International Students Exchange Forum at sprweb.org/Exchange_Forum! Our forum currently includes SPR labs from the United States, United Kingdom, and Germany. All labs are happy to host (international) students and postdocs who want to learn new psychophysiological methods. We would like to assist you in establishing collaborations between SPR labs.

A Call to All PIs: We are constantly working on adding new SPR labs to our forum. Does your lab welcome (international) exchange students or postdocs but is not yet on our list? We would be incredibly happy to have you on board. Simply send us an e-mail (matthias.sperle@psychol.uni-giessen.de) with your lab's information and we will create a subpage for you. You do not need to provide any funding. If you have any further questions, please get in touch with us!



In-Person Student Volunteers Needed!

To support students with limited travel funding and improve the hybrid experience for all attendees, SPR will be providing some funding to defray travel costs for a limited number of in-person student volunteers at the 2022 Annual Meeting in Vancouver on September 28–October 2. To qualify, SPR student members must

volunteer to assist in-person at the 2022 Annual Meeting (details to come, but may include fielding in-person and virtual questions during sessions, assisting AV techs, etc). Additional details about the volunteer positions and application to come. If you have any questions, please contact Anna Finley, Chair of the Committee to Promote Student Interests (ajfinley2@wisc.edu).

2021 POSTER AWARD WINNERS

Yuri G. Pavlov - University of Tuebingen

EEG AND PUPILLOMETRY CORRELATES OF COGNITIVE OVERLOAD

Grace Clements - University of Illinois, Urbana-Champaign

BASELINE MATTERS: DIFFERENT RESULTS WITH SUBTRACTIVE VERSUS DIVISIVE
BASELINE PROCEDURES FOR TIME-FREQUENCY ANALYSES

Valentina Jelincic - KU Leuven

THE INFLUENCE OF (UNPREDICTABLE) RESPIRATORY THREAT ON RESPIRATORY
PARAMETERS AND NEURAL PROCESSING

Kai Haerpfer - University of Hamburg

MODULATION OF PERFORMANCE MONITORING BY WORRY INTERVENTIONS:
AN ERP STUDY

Joshua Gertler - University of Florida

WHITE MATTER INTEGRITY AND TRANSDIAGNOSTIC SYMPTOMS
WITHIN INTERNALIZING DISORDERS

Roxanne Miltenberger - University of Florida

DEER IN HEADLIGHTS: MICROSACCADE INHIBITION OCCURS AS A
COMPONENT OF THE HUMAN FREEZING RESPONSE

Trevor Jackson - University of New Mexico

MODELING THE REWARD POSITIVITY WITH A SIMULATED HALF-COSINE IN THE DELTA
RANGE: IT HAS ITS UP AND DOWN

Kreshnik Burani - Florida State University

ACUTE, BUT NOT CHRONIC, LIFETIME STRESS EXPOSURE INTERACTS WITH THE REWP
TO PROSPECTIVELY PREDICT INCREASES IN DEPRESSIVE SYMPTOMS

NEW TO SPR AND FOOD FOR THOUGHT



Publication guidelines and recommendations for pupillary measurement in psychophysiological studies

Stuart R. Steinhauer, Margaret M. Bradley, Greg J. Siegle, Kathryn A. Roecklein & Annik Dix

A variety of psychological and physical phenomena elicit variations in the diameter of pupil of the eye. Changes in pupil size are mediated by the relative activation of the sphincter pupillae muscle (decrease pupil diameter) and the dilator pupillae muscle (increase pupil diameter), innervated by the parasympathetic and sympathetic branches, respectively, of the autonomic nervous system. The current guidelines are intended to inform and guide psychophysiological research involving pupil measurement by (1) summarizing important aspects concerning the physiology of the pupil, (2) providing methodological and data-analytic guidelines and recommendations, and (3) briefly reviewing psychological phenomena that modulate pupillary reactivity. Because of the increased ease and tractability of pupil measurement, the goal of these guidelines is to promote accurate recording, analysis, and reporting of pupillary data in psychophysiological research.

onlinelibrary.wiley.com/doi/epdf/10.1111/psyp.14035

Social media science communication is a nonstop academic conference for all

Jens Foell, Ph.D. – SPRweb Editor

Recently, *Nature Human Behaviour* published Jens Foell's commentary on treating social media science communication as you would an academic conference (i.e., as a place to exchange data, methods, and personal views). Take a read through his insightful thoughts and experiences as a science communicator along with the advantages and disadvantages of social media in science.

rdcu.be/cLxPx

This newsletter was created by Grace Clements, Katie Garrison, Jeremy Harper, Katie Hoemann, Micayla Lacey, Elizabeth Mulligan, Kenzie Trezise, Shannon MacDonald, and Anna Finley of the SPR Committee to Promote Student Interests. This newsletter is sent to current student and general members. Please forward to your students and any interested colleagues!