



SOCIETY FOR THE
NEUROBIOLOGY OF
LANGUAGE

Newsletter

APRIL 2023



SNL 2023

Society for the Neurobiology of Language
15th Annual Meeting, October 24–26
Palais du Pharo, Marseille, France

This month's highlight paper in Neurobiology of Language is summarised by **Dr Chao Han**, a recent Ph.D. graduate from the University of Delaware. Anyone interested in writing a paper summary should reach out to [mailto:Matt Davis](mailto:Matt.Davis@snl.org) (SNL Publications Officer).

Dynamics of Functional Networks for Syllable and Word-Level Processing

Johanna Rimmele, Yue Sun, Georgios Michalareas, Oded Ghitza, David Poeppel
Neurobiology of Language (2023) 4 (1): 120–144.



Neurobiology
of Language

Hearing speech as a sequence of words is a powerful perceptual illusion. The illusion is often broken when we hear speech in an unfamiliar foreign language and lose the ability to group syllables into words. Syllable grouping is supported by knowing the words and other cues like knowing the sound sequences at the boundaries or transitions between words.

To explore the interaction between these factors, Rimmele and colleagues conducted MEG experiments to examine neural activity in German-speaking participants listening to sequences of German and Turkish syllables. They used a frequency-tagging paradigm and presented 4 syllables per second (a frequency of 4Hz) in disyllabic groups (i.e. 2 groups per second, 2Hz). In a German condition, listeners can group syllables using word knowledge and syllable-to-syllable transition cues. In a Turkish condition containing real-words, syllable grouping could only be achieved with syllable transition cues whereas in a Turkish non-word condition, no cues are available for grouping.

Brain responses to syllables (4Hz) were shown in all conditions, but the authors observed increased power at 2Hz in the Turkish real-word condition compared to the non-word condition, reflecting processing of syllable transitions. Neural power at 2Hz was further increased for German compared to Turkish real words. This effect localized to left inferior frontal brain areas, suggesting a contribution of word recognition to speech segmentation. Interestingly, the authors also found that processing of German words led to reduced syllable tracking in auditory cortex (reduced 4Hz coherence with speech), and increased coupling

between syllable-level (4Hz) and word-level processing (2Hz) in right inferior frontal, superior, and middle temporal cortex. These findings shed light on interactions between word and syllable processing; mechanisms that help listeners group syllable sequences into words during speech comprehension.

Volume 4, Issue 1 is now completed and contains the following papers:

Using Motor Tempi to Understand Rhythm and Grammatical Skills in Developmental Language Disorder and Typical Language Development

Enikő Ladányi, Michaela Novakovic, Olivia A. Boorum, Allison S. Aaron, Alyssa C. Scartozzi, Daniel E. Gustavson, Rachana Nitin, Peter O. Bamikole, Chloe Vaughan, Elisa Kim Fromboluti, C. Melanie Schuele, Stephen M. Camarata, J. Devin McAuley, Reyna L. Gordon
Neurobiology of Language (2023) 4 (1): 1–28.

Auditory Word Comprehension Is Less Incremental in Isolated Words

Phoebe Gaston, Christian Brodbeck, Colin Phillips, Ellen Lau
Neurobiology of Language (2023) 4 (1): 29–52.

Lexicality-Modulated Influence of Auditory Cortex on Subthalamic Nucleus During Motor Planning for Speech

Alexander R. Weiss, Anna Korzeniewska, Anna Chrabaszcz, Alan Bush, Julie A. Fiez, Nathan E. Crone, Robert M. Richardson
Neurobiology of Language (2023) 4 (1): 53–80.

Predictive Coding and Internal Error Correction in Speech Production

Alex Teghipco, Kayoko Okada, Emma Murphy, Gregory Hickok
Neurobiology of Language (2023) 4 (1): 81–119.

Dynamics of Functional Networks for Syllable and Word-Level Processing

Johanna M. Rimmele, Yue Sun, Georgios Michalareas, Oded Ghitza, David Poeppel
Neurobiology of Language (2023) 4 (1): 120–144.

Right Posterior Temporal Cortex Supports Integration of Phonetic and Talker Information

Sahil Luthra, James S. Magnuson, Emily B. Myers
Neurobiology of Language (2023) 4 (1): 145–177.

Spatiotemporal Dynamics of Activation in Motor and Language Areas Suggest a Compensatory Role of the Motor Cortex in Second Language Processing

Lili Tian, Hongjun Chen, Pyy Petteri Heikkinen, Wenya Liu, Tiina Parviainen
Neurobiology of Language (2023) 4 (1): 178–197.

Next month's newsletter will promote papers from <https://direct.mit.edu/nol/issue/4/2> which is now being collated. Volume 4 Issue 3 will follow later this year a special issue on "Cognitive Computational Neuroscience of Language". Do approach editors-in-chief Steven Small or Kate Watkins with ideas for other special issues.



Neurobiology of Language is the open-access journal sponsored by the Society for the Neurobiology of Language and MIT Press. Launched in March 2019, the journal provides a new venue for articles across a range of disciplines addressing the neurobiological basis of speech and language. To learn more about Neurobiology of Language and how to submit articles, go to <https://www.mitpressjournals.org/nol>.



**Neurobiology
of Language**



Job Postings and Announcements

If you have a job posting, general announcement, or conference that you would like to include in the SNL Newsletter, please send it to newsletter@neurolang.org



Job Postings

Research Coordinator, Center for Cognitive and Brain Health, Northeastern University

JOB SUMMARY

The research coordinator position in the Center for Cognitive and Brain Health at Northeastern University, under the supervision of Dr. Timothy Morris and Dr. Jonathan Peelle will have primary job duties that include; (1) consenting, planning, scheduling and organizing human subjects data collection, mostly involving magnetic resonance imaging (MRI) and cognitive testing, (2) programming experiments both inside and outside of the MRI machine, using experiment programming software (E-Prime, PsychoPy) and (3) development of research protocols, development and management of institutional review board (IRB) applications for human subjects research studies. The candidate will also be highly encouraged to learn about the scientific process, hypothesis testing and academic culture at a research active R1 University. The candidate will receive mentorship from several faculty members in an exciting and growing Center. The position is for 1 year initially with the opportunity to extend for a further 2 years. Anticipated start date is flexible, ideally between **March and May 2023**.

QUALIFICATIONS

The candidate must have a bachelor's or master's degree in psychology, neuroscience, physical therapy/kinesiology, public health or related STEM field. Experience with human subjects' research is required. Strong organizational and communication skills is also a must. Experience with experiment programming (PsychoPy, E-prime) is desirable. Experience with MRI and other neuroimaging modalities (EEG, fNIRS, TMS-EEG) is also desirable.

To apply see:

https://northeastern.wd1.myworkdayjobs.com/careers/job/Boston-MA-Main-Campus/Research-Coordinator_R113584

Informal inquiries may be directed to j.peelle@northeastern.edu.



Assistant Research Professor (Assistant Director of Human Imaging)

The Social, Life, and Engineering Sciences Imaging center (SLEIC; <https://www.imaging.psu.edu/>), under the direction of Dr. Michele Diaz (<https://sites.psu.edu/mdiazlab/>) invites applications for an **Assistant Research Professor (Assistant Director of Human Imaging)** position. The imaging center contributes to Penn State's thriving research environment by providing state-of-the art brain imaging and data analysis facilities.

Roles and Responsibilities: The individual in this position will assist in the administrative, logistic, and research activities at our research-dedicated facilities: the Human Electrophysiology Facility (HEF) and the 3T Siemens Prisma MRI Facility at the University

Park campus.

The Assistant Director's responsibilities will include:

- oversight of daily operations of the center,
- working with technical staff,
- overseeing quality assurance procedures,
- coordinating administrative activities such as billing and regulatory compliance, developing and conducting training workshops,
- working with the director on language and aging research
- providing the highest levels of customer service.

Education: Candidates must have a Ph.D. in a related discipline. A background in EEG and/or functional MRI, as well as research experience in language science or aging is preferred. Knowledge of related programming and analysis software is highly desirable (e.g., EEG lab, linux/unix systems, R, FSL, etc.). Excellent interpersonal skills and problem-solving abilities are a must.

Application: Applicants should submit a cover letter and a resume for full consideration. Review of applications will begin immediately and will be accepted until the position is filled.

This is a non-tenure-track and limited-term appointment, funded for one year from date of hire with an excellent possibility of renewal.

The Pennsylvania State University is committed to and accountable for advancing diversity, equity, and inclusion in all of its forms. We embrace individual uniqueness, foster a culture of inclusive excellence that supports both broad and specific diversity initiatives, leverage the educational and institutional benefits of diversity, and engage all individuals to help them thrive. We value inclusive excellence as a core strength and an essential element of our public service mission.

Penn State offers competitive benefits to full-time employees, including medical, dental, vision, and retirement plans, in addition to tuition discounts, and paid holidays. Please visit <https://hr.psu.edu/2022-benefits> for more detailed information.

Apply here: https://psu.wd1.myworkdayjobs.com/PSU_Academic/job/Penn-State-University-Park/Assistant-Research-Professor--Assistant-Director-of-Human-Imaging-_REQ_0000041873

To review the Annual Security Report which contains information about crime statistics and other safety and security matters and policies, please go to <https://police.psu.edu/annual-security-reports>, which will also explain how to request a paper copy of the Annual Security Report.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.



Open Postdoctoral Position Stroke Rehabilitation Research

A postdoctoral position is available in the Center for Stroke Rehabilitation Research at Kessler Foundation. We use a combination of behavioral, neuropsychological, eye-tracking, and brain imaging techniques to study aphasia, acquired dyslexia, spatial neglect, anosognosia, and related cognitive disorders as consequences of stroke.

Candidate eligibility:

1) Ph.D. in neuroscience, cognitive psychology, experimental psychology, clinical psychology, cognitive neuroscience, neurology, or a related field. The degree should be obtained no earlier than 2021.

- 2) Experience in analyzing and processing structural and functional MRI data.
- 3) Proficient in spoken and written English.
- 4) Strong programming skills for stimulus presentation and experiment design (e.g., E-Prime, MATLAB, or Presentation).
- 5) Prior experience in working with clinical populations is a plus.

To apply, please send your CV, the expected date of availability, contact information of three references, and a statement of research interest and career goal to Dr. Olga Boukrina (OBoukrina@KesslerFoundation.org).

Center for Stroke Rehabilitation Research
<https://kesslerfoundation.org/research/stroke/rehabilitation>

Kessler Foundation
1199 Pleasant Valley Way, West Orange, NJ 07052



PhD Position University of Vienna

4-year PhD position offered in the field of phonaesthetics combined with psycho/neurolinguistics / cognit. neuroscience of language/multilingualism - within the research group of Prof. Susanne Reiterer at the Linguistics Department of the Faculty of Philological and Cultural Studies at the University of Vienna, Austria, EU. Applications to be sent (only) to the [job center of the University of Vienna](#).

The job opening for this psycholinguistics PhD position (identifier 14110) is from **24.4. - 14.5.2023** (usually prolonged for another 3 weeks) info available under the link to the job center at the University of Vienna:

<https://univis.univie.ac.at/ausschreibungstellensuche>



Postdoc Position Georgetown University Neuroscience of Language training program

Georgetown University's new [Neuroscience of Language T32 training program](#) is seeking postdoctoral fellows. The Neuroscience of Language program provides training in the brain basis of language, as well as sensory, motor, and cognitive systems as they pertain to language and communication. Georgetown has a number of faculty focused on Neuroscience of Language research, ranging from basic work on auditory or language processing (spoken, signed, and written language) to clinical trials in adults and children with brain injuries affecting language. Interactions with Georgetown's highly regarded Linguistics Department, as well as Children's National Hospital and MedStar National Rehabilitation Hospital, provide us with access to additional faculty and research populations and further enrich the training environment.

Individuals with doctoral degrees from any field related to Neuroscience of Language (Neuroscience, Cognitive Science, Linguistics, Psychology, Communication Disorders, etc.) are encouraged to apply. Fellows will be supported for two years and will develop an individualized training plan to provide expertise across disciplines important to Neuroscience of Language research. Fellows will take coursework as needed and will participate in a regular journal club and seminar series, clinical experiences, community engagement activities, and professional development activities, in addition to conducting research in the neuroscience of language. The overall goal of the program is to develop well-rounded scientists who have a broad perspective on basic and clinical Neuroscience of Language.

Fellows will work with one or more of the following investigators: Drs. Thomas Coate, Guinevere Eden, Rhonda Friedman, William Gaillard, Anna Greenwald, Xiong Jiang, Elissa

Newport, Josef Rauschecker, Max Riesenhuber, Ella Striem-Amit, Ted Supalla, Peter Turkeltaub, and Michael Ullman. Collaborations among our faculty are common and a strength of our program.

Appointments are funded at standard NIH NRSA stipend rates, with an initial one-year term to be renewed for an additional year if fellows meet the program requirements.

U.S. citizens or permanent residents who currently hold a doctoral degree or will have met all doctoral program requirements before starting the program are eligible to apply. Individuals from **groups recognized to be underrepresented in the sciences** are encouraged to apply.

Please submit the following application materials via the **application form**.

- CV
- Personal statement describing career goals, prior research, goals for postdoctoral training, and lab(s) of interest (3 pages)
- Names and contact information for three references
- Writing sample (manuscript or dissertation)

Contact Dr. Peter Turkeltaub (peter.turkeltaub@georgetown.edu) with any questions about the program or eligibility. Contact Rachel Galginaitis (rg1171@georgetown.edu) with questions about the application process.



Postdoctoral opportunity in São Paulo, Brazil

We are inviting applications for a postdoctoral research fellowship in language and electrophysiology as part of a SPEC (São Paulo Excellence Chair) interdisciplinary project involving researchers from the University of São Paulo and MIT (Massachusetts Institute of Technology). This is an excellent opportunity to work in exciting cutting-edge work in the areas of language and neuroscience and collaborate with international teams from several areas, including linguistics, biology, genetics, archeology, and primatology. Research will be conducted in São Paulo, Brazil. The ideal candidate will have previous training and experience with EEG signal processing and a special interest in language. International candidates are encouraged to apply. Please contact analia.l.arevalo@gmail.com

https://fapesp.br/oportunidades/a_neurobiologia_da_construcao_da_estrutura_sintatica/5835/



FUNDED PHD CANDIDATE POSITION LANGUAGE AND MEMORY CONTROL Group at the BCBL Basque Center on Cognition Brain and Language (San Sebastián, Basque Country, Spain) <http://www.bcbl.eu>

1. INFORMATION ABOUT THE POSITION

- Position: PhD student
- Researcher Profile: First Stage Researcher (R1- up to the point of PhD)
- Number of vacancies: 1
- Project: Language and Memory research group, BCBL
- Location: Spain > Donostia-San Sebastián
- Research Field: Psychology > Cognition and Language
- Type of contract/Duration of Contract: 3 years
- Job Status: Full-time
- Hours per week: 35
- Starting date: June 2023

The Basque Center on Cognition Brain and Language (BCBL) in San Sebastián (Basque Country, Spain) is offering a 3-year funded PhD opportunity. The position is not linked to a specific project; the PhD student will work on research projects within the **Language and Memory Control (LMC) research group** research lines. Some of the main research questions we are working on at the LMC group include neurobiological basis of reading in typical and atypical populations, brain plasticity and language systems, language and memory interactions, thalamocortical contributions to language and other cognitive processes (working memory, attention, etc.), and neuroimaging methods. The LMC research team is conformed by researchers with different backgrounds (physics, engineering, linguistic related fields, neuroscience, psychology, mathematic, chemistry). We welcome background diversity, so research questions can be tackle from different complementary angles. Other research topics addressed in the LMC group are: Involvement of subcortical regions and networks on language systems, visual pathways involvement in reading, altered brain function and structure in Parkinson's disease, neural basis of the testing effect, differences and communalities of the episodic and semantic memory systems, production versus planning in speech production, and domain-general and domain-specific neuroanatomical basis of creativity.

Job description: The selected candidate will be involved in developing and running behavioral, neuroimaging (MRI, EEG) experiments, analyzing data, and disseminating the results in scientific conferences (presentations/posters) and peer-reviewed journals. The selected candidate will also have the opportunity to develop original experiments under the supervision and guidance of the Drs. Carmen Vidaurre and Kepa Paz-Alonso.

PI and research group: candidate will form part of the Language and Memory Control research group (<https://www.bcbl.eu/en/research/research-groups/language-memory-control#show>) led by Dr. Kepa Paz-Alonso (p.pazalonso@bcbl.eu). The candidate will be co-supervised by Drs. Carmen Vidaurre (<https://scholar.google.com/citations?hl=en&user=PYYu5wQAAAJ>) and Kepa Paz-Alonso (<https://www.bcbl.eu/en/conocenos/equipo/pedro-m-kepa-paz-alonso>).

2. CANDIDATES' PROFILE AND SELECTION CRITERIA

Required skills:

- Applicants should have a Master's (or equivalent) degree in Cognitive Neuroscience, Engineering, Psychology, Linguistics, and/or related areas.
- The applicants must demonstrate excellent oral and written communication skills in English.
- Experience on experimental research.
- Programming skills (python, Matlab, R,...)

Desirable skills:

- Knowledge or Familiarity with statistics and statistical analysis
- Experience on MRI, eye tracking, EEG or MEG.
- Knowledge on human neuroanatomy.
- Experience working with special populations, such as children, older adults, patients.

3. WORKING CONDITIONS

Salary: 17.222€ gross/year (year 1 and 2), 18.451€ gross /year 3

Entitlements and other benefits: <https://www.bcbl.eu/en/join-us/what-is-like-to-work-bcbl>

Training opportunities and Career development plan:

Researchers at any stage of their career, regardless of their contractual situation, are given an opportunity for professional development and for improving their employability through access to a Personal Career Development Plan which includes:

- (1) Training through individually personalized research projects under senior supervision
- (2) Exchanging knowledge with the scientific community and the general public
- (3) Network-wide training in theory and methods
- (4) Complementary training courses
- (5) Involvement in proposal writing, task coordination
- (6) Development of skills for the organization of training and scientific events

4. OTHER RELEVANT INFORMATION

Language policy

- The working language at the center is English.
- The center offers initial level Spanish and Basque lessons to all new staff members.
- The interview will be conducted in English

5. APPLICATION PROCESS

Deadline to apply: May 5th 2023

Submission of the application and documentation:

To submit your application, please follow this [link](#) applying for “**Predoc_IKUR_2023_LMC**” and attach the following documentation:

- A curriculum vitae
- A statement outlining research interests and motivation to apply for the position
- Two letters of recommendation (Optional. You can disregard the warning in the application system: “An application without reference letters will not be evaluated”)

You can also email the supervisors if you have any questions before or after completing the submission of your application (p.pazalonso@bcbl.eu, carmen.vidaurre@unavarra.es).

Application process timetable:

- 1) Deadline for application: May 5th
- 2) Evaluation by committee: May 8th – May 12th
- 3) Interviews: May 15th-19th
- 4) Final decision: May 22nd
- 5) Feedback to all applicants: May 22nd
- 6) Work contract start date: June 2023

Contact details for enquiries:

Please email p.pazalonso@bcbl.eu and carmen.vidaurre@unavarra.es (and please cc hr@bcbl.eu).



Two postdoctoral positions at the University of South Carolina

The Aphasia Lab at the University of South Carolina is recruiting **two postdoctoral fellows**. For both positions, we are looking for researchers with experience in neuroimaging and behavioral data analysis, to join a highly collaborative team of researchers around the NIH-funded Center for the Study of Aphasia Recovery (C-STAR; PI Julius Fridriksson) and the study of brain health across the adult lifespan (ABC@USC; PI Julius Fridriksson). For details, please refer to the full job postings by the University of South Carolina:

Position #1, Aphasia Lab:

Full posting: <https://uscjobs.sc.edu/postings/143712>

Application deadline: **June 5th, 2023**

Position #2, ABC@USC:

Full posting: <https://uscjobs.sc.edu/postings/142914>

Application deadline: **May 22nd, 2023**

Interested parties are invited to apply to **one or both** of these positions! For further enquiries, please contact Dr. Dirk den Ouden (denouden@sc.edu), or Ms. Sarah Newman-Norland (ABC@USC; newmanns@mailbox.sc.edu). We are looking forward to having you join us in Columbia, SC!

Other

Academy of Aphasia 61st Annual Meeting
University of Reading, UK and Virtual (Hybrid)
Saturday, October 21– Monday, October 23, 2023
ABSTRACT SUBMISSION DEADLINE: MAY 20th, 2023

The 61st Annual Meeting of the Academy of Aphasia will be hosted at [Park House, University of Reading, Whiteknights Campus, UK](#). Saturday's opening night reception will take place at the [Museum of English Rural Life](#), which explores the history of the English countryside and its people. The Academy welcomes submissions of original experimental, clinical, theoretical, and historical research from any field that contributes to the study of aphasia, including Speech-Language Pathology, Psychology, Neurology, Neuroscience, Linguistics, History, and Computational Modeling. We encourage onsite attendance—**required for platform presenters**—although we also offer the option to participate online via an interactive hybrid platform.

Our keynote speaker is [Prof. Sophie Scott](#) of the University College London (UCL). Prof. Scott is Director of the Institute for Cognitive Neuroscience (ICN) and Head of the Speech Communications Group at the UCL. Her research interests span several different areas, including the study of the neural basis of vocal communication and production to the mechanisms and streams for auditory processing, hemispheric asymmetries, and the interaction of speech processing with attention and working memory. Currently, she investigates the expression of emotion in the voice, particularly in laughter processing. She also studies individual differences and plasticity in speech perception as fundamental factors for people with cochlear implants and profiles of recovery in aphasia. At UCL, Prof. Scott gives classes on these topics, and she also runs a module for master's students on communication skills for cognitive neuroscience.

Now in its sixth year, the NIDCD-funded Academy of Aphasia conference grant (R13 DC017375) will sponsor selected student fellows to attend and present their work at the conference. Fellows will also receive focused mentoring and training from seasoned faculty mentors at the meeting. Both U.S. and international students are eligible to apply; please contact Swathi Kiran (kirans@bu.edu) with inquiries. The grant also sponsors a state-of-the-art *New Frontiers in Aphasia Research* seminar. This year's topic will focus on stroke and vascular cognitive impairment, and the speaker will be [Dr. Sudha Seshadri](#) of the University of Texas, Health Science Center at San Antonio. Dr. Seshadri is the founding Director of the Glenn Biggs Institute for Alzheimer's and Neurodegenerative Diseases. Her scientific research focuses on neuroimaging, genetic, and epidemiological factors associated with brain aging, stroke, dementia, and vascular cognitive impairment. Since 1998, Dr. Seshadri has been a senior investigator of the Framingham Heart study. She has been continuously funded by the National Institutes of Health since 2009, and currently serves as the principal investigator on eight NIH-funded grants and participates in twelve additional grants.

Abstract (proposal) preparation and submission guidelines

Submission procedures. Abstracts of proposed platform and poster presentations must be submitted through the *vFairs* platform. Stay tuned for the submission link in future communications and on the [conference information](#) of the Academy of Aphasia website.

Presentation types. The annual scientific meeting includes both platform and poster sessions. The Academy considers platform presentations and poster presentations to be of comparable scientific merit. Scheduled presentation times of platform sessions and poster sessions will not conflict. At the time of abstract submission, preferred presentation type will be indicated by the submitter.

Platform session presenters will be **required to attend and present onsite (in Reading)**.

Platform session presentation types include:

- Scientific papers – consisting of original research that has not yet been published.
- Symposia – consisting of a number of papers focusing on a common theme from researchers representing different laboratories. These papers may report on previously published research.
- Mini-Workshops – methodologically-oriented sessions consisting of a number of papers (possibly from the same research group) reporting a unique approach to a timely topic.

Poster session presenters have the option to either: a) attend and present in the onsite poster hall (in Reading); or b) attend and present in the online poster hall. Regardless of presentation mode, poster presenters are strongly encouraged to be available at their poster for the duration of their assigned poster session for purposes of live interaction; therefore, a single attendee may not present more than one poster simultaneously. Poster sessions include:

- Scientific papers that can be presented primarily in a visual format. All posters (onsite or

online) will also be posted in virtual form in the virtual poster hall for the duration of the meeting.

Authorship of submissions. More than one abstract may be submitted by an individual, but an individual can be listed as first author on only one submission. *Both members and non-members of the Academy are encouraged to submit proposals for scientific papers, symposia, mini-workshops and posters.* All submissions will be given equal consideration on the basis of their scientific merit and topicality for the Academy.

Guidelines for abstract content and format. The submitted abstract should provide a concise statement of the problem or hypothesis, procedures and analyses conducted, results obtained, and final conclusion(s) drawn. Abstracts may include a maximum of 500 words in the abstract proper (excluding title, authors, references and acknowledgements), one camera-ready figure and one table. **Abstracts must conform to the specified [template format](#) to be considered for acceptance to the conference program.**

Proposal of Symposia and Mini-Workshops. It is highly recommended that organizers of symposia and mini-workshops contact the chairs of the Program Committee about their plans, well in advance of abstract submission, by e-mail (academyofaphasia.program@gmail.com), to receive feedback on organizational issues. The organizer then should submit an abstract summarizing the topic, including the names and affiliations of all participants, and the abstract title for each of the proposed presentations within the topic area. In addition, an abstract should be submitted for each of the individual presentations, including the title of the associated symposium in the Acknowledgments section.

Conference participation. The meeting is open to anyone interested in attending. However, Academy of Aphasia members, authors of accepted papers, and the first authors of rejected papers will have preference if onsite or virtual space limitations restrict the number of registrants.

- **Certificate of conference participation.** Conference participants may request a certificate of conference participation, which they may use subsequently to pursue application for continuing education units (CEUs) or continuing professional development (CPD) with their respective professional organizations.
- **Childcare** A courtesy list of local childcare providers will be available to registrants upon request. This year, we will provide a \$100 registration credit for people who choose to find childcare options during the conference. Proof of receipt of childcare services will be required.
- **Student Award.** This award is given to the student presenting the most scientifically meritorious paper (either platform or poster presentation). Submissions are judged by the Program Committee on the basis of the abstract submission and the conference presentation itself. All full-time graduate students giving a presentation are eligible for the student award, although priority will be given to students presenting original research. Students wishing to be considered for the Student Award must so indicate at the time of abstract submission. To be eligible for the Student Award, the author-presenter must:
 - be enrolled full-time and be in good standing in a graduate program *at the time of submission*
 - be the first author and presenter of the paper submitted
 - not have received a student award from the Academy in the past

Selection criteria for the meeting program. Abstracts will be reviewed by the Program Committee. Selection of papers will be based on scientific merit, innovation, appropriateness for the Academy of Aphasia, and on the representation of topics in the program.

Notification regarding acceptance: The Program Committee will e-mail a decision by **July 18, 2023**.

Program availability. A PDF eBooklet with formatted abstracts will be available during the conference.

Program Committee: Paola Marangolo (Co-Chair), Gloria Olness (Co-Chair), Shari Baum (Co-Vice Chair), Adrià Rofes (Co-Vice Chair), Eva Kehayia, Aneta Kielar, Gabriele Miceli and Tatiana Schnur.



At the first **Neuroscience of the Everyday World conference**, we propose to bring together leaders in the fields of computer science, biomedical engineering, cognitive science, neurology, and clinical neuroscience to present state-of-the-art research, all focused on the study of continuous brain measurement in real-world activities. The presentations will all focus on innovative methodologies (e.g., fNIRS, EEG, BCI+real time feedback), different real-world contexts (e.g., measurements at home, in the clinic/hospital), and a range of healthy and disease states (e.g., dementia, stroke). More information forthcoming, including abstract submission process and travel awards at <http://openfnirs.org>



Call for Abstracts: **Crosslinguistic Perspectives on Processing and Learning (X-PPL) 2023**

The **Crosslinguistic Perspectives on Processing and Learning Workshop (X-PPL)** brings together the growing community of researchers working to expand the diversity of languages in the scope of psycholinguistic and neurolinguistic research. This research is driven by the recognition that structural/typological and socio-cultural diversity provides important and unique opportunities to see language processing and language learning mechanisms at work. The bulk of processing and acquisition research represents only a small fraction of linguistic diversity, and this risks biasing both our theories and our research questions.

The Crosslinguistic Perspectives on Processing and Learning Workshop (X-PPL) aims to fill this gap and provide a platform for cross-linguistic research on language processing and learning.

X-PPL 2023 will be hosted by the Center for the Interdisciplinary Study of Language Evolution and the Department of Comparative Language Science at the **University of Zurich**, and will take place on **November 06-08, 2023**.

Keynote speakers:

- **Aylin Küntay** (Koç University)
- **Susan Goldin-Meadow** (University of Chicago)
- **Ina Bornkessel-Schlesewsky** (University of South Australia)

X-PPL 2023 will be held onsite in Zurich. However, it will be possible to accommodate a limited number of online talks (in a hybrid format). To make X-PPL 2023 accessible to researchers all over the world, we intend to stream all talks and discussions. There will also be two teaching sessions (see below).

We invite contributions for 20-minute talks on the interface of linguistic diversity and language processing (encompassing production and comprehension), and language learning with the goal of understanding linguistic ontogeny (first language acquisition) and phylogeny (typological diversification, structural evolution). We also invite abstracts on (a) methodological, cultural or other issues that research on language processing and learning outside of the lab might encounter or (b) plans for cross-linguistic work (see below).

Specifically, we invite contributions presenting new evidence on:

- Whether and how grammars are shaped by (cognitive and neurobiological) constraints on processing and learning, and by external pressures
- Whether and how the different grammatical properties of linguistic systems shape processing and learning strategies

We welcome in particular:

- Experimental and observational studies on under-researched languages providing implications for processing and acquisition theories
- Studies examining production, comprehension, or (L1) developmental phenomena in

- one or more language(s) that were chosen for their grammatical characteristics
- Studies providing processing-based or learning-based explanations of language change and typological distributions

In addition, there are a number of factors that make cross-linguistic and fieldwork-based research particularly difficult. Therefore, we also welcome abstracts which address:

- Methodological issues which may be specific to cross-linguistic processing and acquisition research (such as small to non-existent corpora resources, varying literacy levels among speakers, participants who aren't familiar with experiments/technology, etc.), and the solutions which researchers have found to address these issues
- Methods for processing corpus and experimental data for psycholinguistic goals in low-resource languages
- Furthermore, we invite abstracts on plans for experimental cross-linguistic work that the presenters would like to get feedback on, such as from researchers new to experimental cross-linguistic work that may particularly benefit from the expertise of the community.

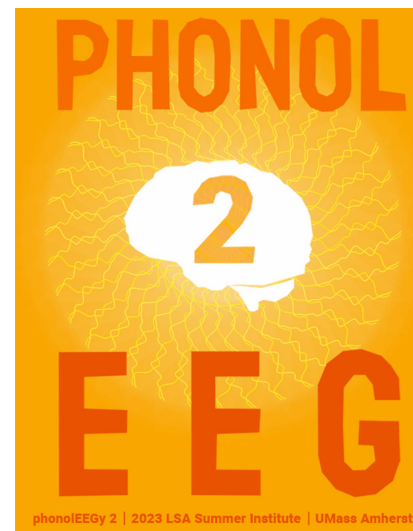
Abstracts should be submitted as PDFs to <https://app.oxfordabstracts.com/stages/5927/submitter>, no later than June 23, 2023. Abstracts should not exceed one A4 page (one additional page for interlinear-glossed examples, references, and figures is allowed). The organising committee will then select contributions for the talks at X-PPL 2023.

On November 08, two teaching sessions will be held, one on building language acquisition corpora and one on statistical analysis strategies for small samples (with a focus on Bayesian approaches). The aim of these sessions is to provide the X-PPL community with skills that can be transferred to foster additional cross-linguistic research. More information will follow on the X-PPL homepage: <https://www.comparativelinguistics.uzh.ch/en/events/x-ppl2023.html>



PhonoEEGy 2, June 24-24, 2023, UMASS/Amherst

The goal of the PhonoEEGy conference series is to intersect experimental research based on EEG / MEG with phonological theory. While EEG / MEG-based research concerning linguistically relevant sound and its patterning (phonology) is growing, work that explicitly addresses phonological theory is still relatively limited. Relevant issues include how the continuous acoustic signal is transduced into discrete phonological categories that are used in cognitive computations; perception, production, and neural encoding and localization of phonological items in the brain (such as segments, alternations or markedness); preattentive or sublexical speech processing, processing of different types of phonological items (well- vs. ill-formed, phonemic vs. allophonic), or the kind of information stored in a phoneme (phonetic vs. more abstract).



After its initial venue in Nice, France in Fall 2020, the second installment of the PhonoEEGy conference is a satellite event of the Linguistic Society of America's (LSA) 2023 Summer Institute at UMASS/Amherst and is funded by a grant from the National Science Foundation. The conference is taking place on June 24-25 at UMass/Amherst. In this context, we are specifically encouraging undergraduate and graduate student attendees at the LSA institute to participate as audience and presenters.

Conference registration and attendance is free.

The program will include talks and invited speakers, including Aditi Lahiri (Oxford University, UK), Mirko Grimaldi (University of Salento, Italy), and Philip Monahan 12 talks. For full

program, more information and updates, see <https://sites.udel.edu/phonologEEGy2>



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