SOCIETY FOR THE NEUROBIOLOGY OF LANGUAGE

Newsletter

November 2024

Please Take the SNL 2024 Attendee Survey

Thank you for participating in SNL 2024! Please help us improve SNL by responding to our short attendee survey. Your feedback will play an important role in serving the needs of the membership and making improvements to future SNL meetings.

The deadline to take the survey is **December 5, 2024.**

Thank you in advance for your participation!

Take the Survey

Save the Date!

SNL 2025 will be held September 12-14, 2025, Gallaudet University, Washington DC

Neurobiology of Language

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.

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

We're hiring Assistant/Associate Professor

We're hiring a tenure-track faculty member at the rank of Assistant or Associate Professor in the Roxelyn and Richard Pepper Department of Communication Sciences and Disorders at Northwestern University. Read the full job ad here

Dr. Meg Roberts is hosting individual informational sessions about the position. You can book time to meet with her here https://lnkd.in/e_fAwRJ9

Ph.D. position at UCLA, Department of Education, Jin Wang's lab

I am interested in accepting a Ph.D student in the fall of 2025. My research interests are language and reading development using fMRI. If you have interests in the intersection of education, neuroscience, and language & reading development, you are welcome to apply for the Ph.D. in the Department of Education at UCLA and express your interest in working with me.

Students with fMRI experience & programming skills are preferred. If you have questions, feel free to email me with your CV at jwang@seis.ucla.edu. Thank you!

Jin Wang, **Ph.D.**
Assistant Professor of Education
School of Education and Information Studies
University of California, Los Angeles
Google Scholar: https://scholar.google.com/citations?user=JLYxtz0AAAAJ&hl=en&oi=sra
Twitter: @jinwang18094089

Postdoctoral Fellows: Cognitive Neuroscience of Semantics

A post-doctoral research positions are available in the laboratory of Dr. Rutvik Desai at the University of South Carolina, Department of Psychology. The lab focuses on cognitive neuroscience of language and neural representation of concepts using neuroimaging, brain stimulation, patient studies, lesion-symptom mapping, and computational modeling including large language models. Excellent facilities for fMRI, TMS, tDCS, EEG, and eye tracking are available, which are being augmented by a new 7T and a second 3T scanner. The Fellow will have an exciting opportunity to pursue collaborative and new self-directed projects at the Institute for Mind and Brain (http://mindandbrain.sc.edu/), the investigators in the new Brain Health Network, and Center for the Study of Aphasia Recovery. Opportunities to work on large multi-modal neuroimaging datasets that includes fMRI, for examining neural representations of concepts using LLMs, working with stroke aphasia, and collaborations with computer scientists to develop cutting-edge analysis methods using machine learning, are available.

Candidates with a PhD in any of the cognitive sciences (e.g., Psychology, Neuroscience, Computer Science) are welcome to apply. A research background in cognitive neuroscience/cognitive science relevant to semantic or language processing is expected. Expertise with fMRI analysis (one or more of AFNI/SPM/FSL and MVPA) is most desirable. Experience in one or more of brain stimulation (TMS or HD-tDCS), lesion-symptom mapping, LLMs, deep learning and other machine learning methods, behavioral testing or imaging of patient populations is also a positive, along with skills in programming and statistics (e.g., Python, Matlab, R). A promising publication record is also desirable. Salary will be commensurate with experience. Applications should include a CV, brief statement of research experience and interests, and names of three referees (who will be asked for a reference letter if necessary; actual letters are not required initially). Expected starting date is Winter/Spring 2025 but is flexible. Applications should be sent to rutvik@sc.edu and will be assessed as they arrive.

The University of South Carolina is an affirmative action, equal opportunity employer. Women and minorities are encouraged to apply. The University of South Carolina does not discriminate in educational or employment opportunities or decisions for qualified persons on the basis of race, color, religion, sex, national origin, age, disability, sexual orientation or veteran status.

The Human Verbal Communication Laboratory (PI: Dr. Yulia Oganian) at the Werner Reichardt Centre for Integrative Neuroscience (CIN) in Tübingen invites applications for

Fully funded PhD and Postdoc positions
with flexible starting dates in 2025.

Our group studies the neuroscience of auditory cognition, speech perception, and verbal communication. We are interested in the roles of sensory and language networks in these cognitive functions. We use intracranial electrophysiology in clinical settings (iEEG/ECoG), scalp electrophysiology (EEG and MEG), and psychophysics, as well as advanced computational methods to map between neural and cognitive processes. Lab members can train in all these methods, including research design, data acquisition and analysis. Successful candidates will have the opportunity to participate in existing local and international collaborations and to develop new ones. To find out more, visit https://hvclab.github.io/.

Suitable candidates will have completed the requirements for am MA (for PhD positions) or PhD (for postdoc applicants) in cognitive science, psychology, neuroscience, psycholinguistics, neural engineering, or a related discipline by the time the position starts. We invite applications from individuals with a strong quantitative background and prior experience in at least one of the following: scientific coding, analysis of neural timeseries data, or computational linguistics.

We seek highly motivated candidates that are passionate about science and human cognition, aim to develop their theoretical thinking as well as their data analytic abilities, and strive to conduct rigorous research. We are a diverse and inclusive research team and support members' personal and professional development. Successful candidates will join the vibrant neuroscientific research community of Tuebingen. The CIN is an interdisciplinary research institution at the Eberhard-Karls-University Tübingen. The CIN strives to deepen our understanding of brain function and its impairment by disease. It seeks to make use of newly acquired insights to help people with brain disorders and to launch new mind- and brain-inspired applications in many areas of engineering and computer science.

For informal inquiries about the position, please contact Dr. Yulia Oganian at**yulia.oganian@uni-tuebingen.de**. To apply, please fill out this questionnaire. Review of applications will commence in **Nov 2024**. Applications will be considered until the position is filled.

FUNDED Ph.D. POSITION
PRECISION FUNCTIONAL AND CEREBROVASCULAR MAPPING OF THE INDIVIDUAL HEALTHY BRAIN AND GLIOMAS

at the BCBL- Basque Center on Cognition Brain and Language (San Sebastián, Basque Country, Spain)
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: GlioPrecision: Precision functional and cerebrovascular mapping of the individual healthy brain and gliomas
- Location: Spain > San Sebastian
- Research Field: Neuroscience
- Type of contract/Duration of Contract: Temporary: 4 years
- Job Status: Full-time
- Hours per week: 35
- Starting date: 1st of March 2025
- Application deadline: 01 December 2024

Information about the project:

Cerebrovascular reactivity (CVR), which measures the blood flow response to vasoactive stimuli, is a crucial marker of cerebrovascular health. It plays a significant role in diagnosing and managing various neuropathological conditions and enhances our understanding of human brain function and physiology. Additionally, CVR has been linked to baseline perfusion and functional connectivity measurements. This project will involve the acquisition of functional magnetic resonance imaging (fMRI) and arterial spin labelling (ASL) data using advanced techniques to obtain detailed maps of CVR, vascular delay, baseline perfusion and functional connectivity in a large cohort of healthy subjects. This unique resource will enable us to create normative atlases and charts of these measurements, facilitating the identification of abnormalities in the presence of gliomas. Furthermore, the project aims to develop innovative methods that shed light on the interplay between cerebrovascular and functional networks in healthy subjects, and examine how these networks are disrupted by gliomas.

Job description:
- Design and implement experimental paradigms, and acquire MRI and physiological data in healthy subjects and glioma patients.
- Develop and apply novel methods for the analysis of MRI data analysis.

- Write research papers under the supervision of the PI, aiming to publish at top-tier journals.
- Present research findings at international scientific conferences and meetings.

PI and research group:

Dr. César Caballero Gaudes will be the main supervisor of this PhD project. He leads the Signal Processing in Neuroimaging group at BCBL. Our group is developing novel neuroimaging and signal processing techniques to investigate human brain function and physiology in healthy subjects and patients.

2. CANDIDATES' PROFILE AND SELECTION CRITERIA

Required skills:
- Master's (or equivalent) degree in Computer Science, Biomedical Engineering, Telecommunications Engineering, Cognitive Neuroscience, Medicine, or a related field.
- Good knowledge of MRI techniques, in particular functional magnetic resonance imaging.
- Experience in data analysis, bash scripting and programming in Python.
- Excellent written and oral communication skills in English.

Desirable skills:
- Previous experience in participating in research projects (e.g., data collection, analysis) is highly desirable.

3. WORKING CONDITIONS

Salary: 21,000€/year gross on average across the four years of the contract
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 opportunities 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

BCBL seeks to foster an environment where all talents can flourish, regardless of gender, age, cultural background, nationality or impairments. If you have any questions relating to accessibility or support contact us.

4. OTHER RELEVANT INFORMATION:

Language policy
- The corporative language at the Center is English
- The center provides initial level Spanish and Basque lessons to all the international staff members
- The interview will be conducted entirely in English

5. APPLICATION PROCESS:

Submission of the application and documentation:
To submit your application, please follow this link: applying for "Ph.D. Position Precision Mapping Gliomas" and attach the following documentation:

- A curriculum vitae
- A statement outlining research interests and motivation to apply for the position
- Transcript of records for the completed master's and bachelor's degrees
- Two letters of recommendation

Learn more about the BCBL's OTM-R policy

Application process timetable:

1. Deadline for application: 01/12/2024
2. Evaluation by committee: 02/12/2024-10/12/2024
3. Interviews: 13/12/2024-18/12/2024
4. Final decision: 19/12/2024
5. Feedback to all applicants: 20/12/2024
6. Work contract start date: 01/03/2025 (no later than this date)

Contact details for enquiries: hr@bcbl.eu

Associate professor/Assistant professor with tenure track in the field of genetics/epigenetics of language development

I would like to ask your help in publicising the position of **associate professor or assistant professor with tenure track in the field of genetics/epigenetics of language development** that has recently been advertised by the Faculty of Medicine @ UNIGE in conjunction with the NCCR Evolving Language .

Full details are available here (**deadline: 25 November 2024**):
https://jobs.unige.ch/www/wd_portal.show_job?p_web_site_id=1&p_web_page_id=67203

Interested candidates are welcome to contact me (Nina Kazanina, nina.kazanina@unige.ch) in case of questions. **Please distribute this message as widely as possible among your circles.**

Thank you,
Nina Kazanina

Postdoctoral position in language science at the University of Maryland

The Maryland Language Science Center at the University of Maryland, College Park seeks to recruit an outstanding postdoctoral researcher for our inaugural Fellowship for Postdoctoral Scholars. The goal of the fellowship is to support early-career researchers as they establish their own research program, and to develop new, innovative, interdisciplinary connections within our community. Fellows are expected to pursue collaborative relationships with faculty in multiple departments and disciplines at the University of Maryland. These collaborations may take different forms: engaging in research projects with multiple faculty independently, generating new collaborative research that brings multiple faculty together, and/or contributing to interdisciplinary discussion and reading groups.

About language science at UMD
The Maryland Language Science Center (MLSC) is home to the largest and most integrated language science community in North America, spanning 7 colleges and nearly 20 different units across the university. Researchers have ready access to relevant resources to support a range of research programs including equipment and facilities (e.g., eye-tracking, EEG, fNIRS, MEG, fMRI), state-of-art computational resources (e.g., Brendan Iribe Center for Computer Science and Engineering's Nexus GPU cluster), and recruitment databases (e.g., Infant and Child Studies Consortium, established community partnerships). MLSC coordinates a language science research lab at the Planet Word Museum in downtown Washington, DC. UMD language scientists also benefit from close proximity to other universities (e.g. Gallaudet, Georgetown, Howard) and government research labs (e.g. NIH), in the Washington, D.C. metro area.

Benefits
Fellows will receive a salary of $70,000, health insurance, and a modest research budget. Funding is provided in one-year terms renewable for up to two years. This is a campus-based (not remote) position, and participating in the on-campus community is a key benefit and expectation of the fellowship, but the University of Maryland does allow for telework.

Eligibility & Application
The fellowship is open to researchers with a PhD in any relevant field, including: neuroscience, psychology, linguistics, education, communication sciences and disorders, philosophy, computer science, or other cognitive science disciplines. Applicants must have formally completed all requirements of the PhD degree and provide a copy of their diploma at the time of appointment.

Applicants must submit a research statement, CV, and contact information for at least three references.

The research statement (3-5 pages, single-spaced) should outline the applicant's past research, a proposed plan for research during the postdoc, and how the proposed research will contribute to the applicant's career. The statement should specifically reference at least three faculty at the University of Maryland that the applicant would be interested in working with. Applicants are strongly encouraged to reach out to potential faculty mentors to discuss potential research and collaborations prior to submitting an application. The research statement should be written for a broad audience of language scientists: the selection committee will include researchers from multiple disciplinary backgrounds, which may not include the applicant's own field.

Target start date is in August 2025.

Applications are due by January 6, submitted here: https://ejobs.umd.edu/postings/124097.

PhD Program at Penn State University

Faculty in the Cognitive Area of the Psychology Department at Penn State University are looking for highly motivated candidates for admission to the PhD program. Professors Michele Diaz and Roger Beaty are now accepting graduate student applications for admission in Fall 2024. We employ a variety of behavioral and neuroimaging (EEG, tDCS, & fMRI) techniques to explore the the neurobiology of language production and aging (Diaz); and the neural and cognitive mechanisms of language learning and bilingual language processing, code-switching, and accented speech processing (Janet van Hell). Other faculty in the area include Roger Beatty who studies natural language processing and brain network analysis of linguistic creativity, Nancy Dennis who studies the cognitive neuroscience of aging and memory, and Rick Gilmore who studies the development of brain networks. Many of us are also members of the Center for Language Science: a vibrant, interdisciplinary, and collaborative language community of language researchers with expertise in bilingualism, speech language pathology, psycholinguistics, and cognitive neuroscience. Penn State offers state of the art, proximally located, equipment and facilities, including a Siemens Prisma Fit 3.0T MRI system, EEG recording suites, fNIRS, tDCS, and eye-tracking equipment. The Penn State psychology department has an outstanding track record of research, with a strong commitment to graduate student mentoring and development. Students can also pursue Dual-Title doctoral degrees in Psychology and Language Science or Psychology and Social Behavioral Neuroscience, as well as a Specialization in Cognitive and Affective Neuroscience. Interested students are encouraged to contact us to discuss their research ideas and training goals.

Michele Diaz: mtd143@psu.edu https://sites.psu.edu/mdiazlab/
Roger Beaty: rebeaty@psu.edu https://beatylab.la.psu.edu/

Applications are due December 1, 2024. For more information about how to apply, please visit our website:
http://psych.la.psu.edu/graduate/prospective-students
Review of applications will begin immediately after the December 1st deadline. For more information about the cognitive area:
http://psych.la.psu.edu/graduate/program-areas/cognitive

2025 application round for the International Doctorate for Experimental Approaches to Language And Brain (IDEALAB)

The 2025 application round for the PhD Program *International Doctorate for Experimental Approaches to Language And Brain* (IDEALAB) is now open!

We are seeking highly motivated and outstanding candidates with a background in Speech and Language Pathology, Psycho- or Neurolinguistics, Clinical Linguistics, or other language-related fields. This year, we are advertising **10 projects** (see titles below) and are also welcoming **open-topic applications**.

IDEALAB provides a rigorous, laboratory-based 3-year doctoral training program focused on the structure, processing, and foundations of language, with an emphasis on interdisciplinary approaches. Candidates conduct original and independent research on experimental and clinical aspects of language and the brain.

Throughout their candidature, candidates are supervised by faculty from at least two of the four participating universities and spend time at both institutions: Universities of Potsdam (GER), Groningen (NL), Newcastle (UK) and Macquarie University (AUS). IDEALAB offers a joint curriculum and research training program, including summer and winter schools, and cumulates in a joint degree.

Application deadline: 19th of January 2025, 23:59pm AEDT
Starting dates: September 2025 – January 2026
Duration: 3 years
More information on the program and the application process: https://phd-idealab.com/
Advertised projects:

- Neurocognitive investigation of reading aloud vs silently and their effects on memory retention
- Infant precursors of reading skills: visual-phonetic mappings and neural phase tracking
- Language processing: The effect of time/cognitive load in different linguistic domains using off-line and on-line measures
- Speech-music therapy and multilingualism
- The impact of accent familiarity on film subtitle processing
- The impact of textual enhancement in subtitled videos on reading and language development
- Leveraging simultaneous interpreters' neural networks for hearing difficulties

- Characterizing speech motor control across age
- Motor learning in speech and other domains in patients with Parkinson's disease Speech: a dynamical perspective
- We also welcome open-topic applications

Department Chair for Department of Communication Sciences and Disorders at University of Houston

The University of Houston (UH) is seeking strong applicants for the position of Department Chair in the Department of Communication Sciences and Disorders (COMD) at the rank of Full Professor. Ranked 44th in the nation by US News and World Report, COMD is committed to excellence in research, education, and service. In addition to facilitating a collaborative culture within the department, the chair must offer leadership, strategic vision, and management for a diverse array of academic, clinical, and research programs. The successful candidate must have exceptional communication, a vision for department success, and the ability to recruit, mentor, and support faculty and staff. For a full description of the position, please visit: https://careers.uh.edu/jobs/professor-department-chair-communication-disorders-houston-texas-united-states

For inquiries, please contact Amber Thiessen at althiess@central.uh.edu.

Postdoctoral Fellowships Available in the
Georgetown University Neuroscience of Language Training Program
neurolang.georgetown.edu

The Neuroscience of Language program provides postdoctoral fellowship training in the brain basis of language, as well as sensory, motor, and cognitive systems as they pertain to language, speech, concept representation and communication. Fellows will conduct research with one or more of our many faculty members focused on Neuroscience of Language research, ranging from basic work on auditory or language processing (spoken, signed, and written language), plasticity and development of language systems, 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.

Fellows will have an individualized development plan designed to advance their career goals. In addition to conducting research in the broad field of the Neuroscience of Language, fellows will have opportunities to take coursework and participate in a regular journal club and seminar series, clinical experiences, community engagement activities, and professional development activities.
The overall goal of the program is to develop well-rounded scientists who have a broad perspective on basic and clinical Neuroscience of Language research.

Appointments are funded at standard NIH NRSA stipend rates, with an initial one-year term, which will be renewed for a second year assuming fellows are in good standing.

Individuals with doctoral degrees from any field related to Neuroscience of Language (Neuroscience, Cognitive Science, Linguistics, Psychology, Communication Science and Disorders, etc.) are encouraged to apply.

U.S. citizens or permanent residents who currently hold a doctoral degree or will have met all doctoral program requirements before enrolling are eligible to apply. Admissions are rolling and applicants are encouraged to inquire about available slots early. 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.

PhD Position: Psycholinguistics of Cognitive Aging and Aphasia at Louisiana State University

The Psycholinguistics and ELectrophysiology In Cognitive Aging and Neural damage (PELICAN) Lab at Louisiana State University is seeking a highly motivated PhD student to start in the Fall 2025 semester under the supervision of Dr Willem van Boxtel. Potential research topics include, but are not limited to: syntactic priming in aging and aphasia; neural dynamics of predictive processing in aging and aphasia; discourse comprehension and conversational ability in older adults and stroke patients. The student will ultimately select research topics of their own choosing: students with degrees from any related discipline are welcome to inquire. The student will be enrolled in the PhD program in Communication Sciences and Disorders at LSU and will receive a 4-year teaching stipend.

The PELICAN Lab is housed in the Department of Communication Sciences and Disorders, which enrolls over 200 undergraduate and 70 graduate students. The LSU Speech, Language, Hearing Clinic is located inside the Department and is a constant source of hands-on experience and research participants. The PELICAN Lab is equipped with a state-of-the-art electroencephalography system, sound-attentuating booth, and several workspaces. The prospective student would have the opportunity to work closely with the PI and student workers, and gain valuable research, mentorship, and writing experience in the process.

Louisiana State University is the flagship university of Louisiana. Rated as an R1 "Very High Research Activity" institution, the university has an endowment of over $1bn, a student population of close to 40,000, and is classified as a land-grant, sea-grant, and space-grant institution. LSU's Baton Rouge campus is located on leafy bluffs overlooking the Mississippi river, in a vibrant city only an hour from New Orleans.

Please submit all queries and interest to the PELICAN Lab's PI, Dr Willem van Boxtel, at wvboxtel@lsu.edu.

Ph.D. Positions in Speech-Language-Hearing Sciences at the Graduate Center, City University of New York

The Ph.D. Program in Speech-Language-Hearing Sciences at The Graduate Center, City University of New York is currently recruiting to fill five Ph.D. student positions for the Fall 2025 Semester. Since its inception in 1965, the program has achieved a reputation for excellence in our doctoral program, and has graduated many individuals who have assumed positions of leadership and have contributed significantly to the advancement of knowledge in the processes and disorders of human communication. Our campus is in the heart of New York City (34th Street and Fifth Avenue), one of the most diverse cities in the world.

We prepare scholars and researchers with a capacity to develop broad theoretical and conceptual frameworks to strengthen their understanding of the major issues of human communication and its disorders. We offer our students a strong and multifaceted research-based doctoral education where they will gain the knowledge, skills, and attitudes to continue learning and growing throughout their professional lives.

We conduct research on varied aspects of speech, language, and hearing processes and disorders, including facilities with MRI, EEG, fNIRS, eye-tracking and ultrasound. One common theme across projects and laboratories is bilingualism and cross-linguistic studies across the lifespan in typical and clinical populations.

All accepted students are offered 5-year Tuition Fellowships, and additional support, via Graduate Teaching Fellowships, Science Fellowships or Graduate Assistantships. Applications are due January 1, 2025. Applicants should contact potential faculty mentors and/or the EO prior to submitting the application.

Learn more at:
https://www.gc.cuny.edu/speech-language-hearing-sciences

Our Faculty (available as mentors and committee members):

Valerie L. Shafer, Executive Officer and Professor, The Graduate Center, Neurophysiology of Language Development; Speech Perception; Second Language Learning

E. Susan Duncan, Deputy Executive Office and Associate Professor, The Graduate Center, Neuroimaging; Neuromodulation; Chronic Aphasia; Aphasia Therapy; Stroke Recovery

Douglas Whalen Distinguished Professor, The Graduate Center, Speech Science; Endangered Languages

Suzanne van der Feest, Associate Research Faculty, The Graduate Center, First Language Acquisition; Phonology and Phonetics; Psycholinguistics; Speech Perception and Production

Meitel Avivi-Reich, Assistant Professor, Brooklyn College, Speech Perception and Comprehension in Complex Auditory Scenes; Bilingualism; Aging; Auditory Learning

Jason Bishop, Associate Professor, College of Staten Island, Prosody and Sentence Processing; Speech Perception

Patricia Brooks, Professor College of Staten Island, Language Development; Individual differences in language learning and processing; Cognitive development; Pedagogy.

Peggy Connor, Professor and Chair, Lehman College, Fluency; Aphasia; Multilingualism; Neuroplasticity; Clinical Methods

Nancy Eng, Associate Professor, Hunter College, Speech and Language; Bilingualism; Tone Languages; Reading

Talita Fortunato-Taveres, Associate Professor, Lehman College, Child Language Acquisition, Development Language Disorders

Christine Hagedorn, Associate Professor College of Staten Island, Articulatory Phonetics; Speech Science; Motor Speech Disorders

Mira Goral, Professor Lehman College, Bilingualism; Neurolinguistics; Language in Aging

Michelle MacRoy Higgins, Associate Professor and Chair, Hunger College, Language Development; Child Language Disorders; Attention
and Language Evolution

Klara Marton Professor and Chair, Brooklyn College, Cognitive Science; Language Development; Bilingualism; Child Language/Cognitive Disorders

Liat Sieger-Gardner, Associate Professor Lehman College, Typical Language Acquisition; Child Language Disorders; Psycholinguistics

Laura Spinu Associate Professor, Kingsborough Community College, Acoustic Phonetics; Second Language Phonetic and Phonological Learning; Bilingualism; Psycholinguistics

Ofer Tchernichovski, Professor Hunter College, Sound Analysis; Bird Song

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Open-rank tenure track position at the University of South Carolina

The Department of Communication Sciences and Disorders in the Arnold School of Public Health at the University of South Carolina invites applications for an open-rank, tenure track, full time (9-month) faculty position, beginning August 2025. Qualifications: PhD and a strong background in motor speech disorders, including the ability to teach the master's course *Motor Speech Disorders* in the residential and distance-education program.

Applicants at the rank of Assistant Professor must also have demonstrated evidence of high-quality scholarly research, the potential to successfully compete for external research funding, teach graduate-level courses, and collaborate with other researchers, including clinical researchers. Applicants at the rank of Associate Professor or Full Professor must be accomplished scholars with years of experience in research, teaching, and service commensurate with academic policy and: 1) a substantial publication record in top-tier journals, 2) a record of securing research grants from national and international funding agencies, 3) a history of successful graduate student supervision, and 4) the leadership skills necessary to mentor junior faculty and students, contribute to curriculum development, and engage in interdisciplinary collaboration across the university.

Review of applications will begin December 15, 2024, and will continue until the position is filled. Inquiries should be directed to the Search Committee Chair, Dr. Dirk den Ouden, ouden@mailbox.sc.edu. For more information or to apply, go to https://uscjobs.sc.edu/postings/177152. The University of South Carolina is an AA/Equal Opportunity Employer*.*

FUNDED Ph.D. CANDIDATE POSITION – RECURRENT NETWORK MODELS OF STATISTICAL LEARNING

at the BCBL- Basque Center on Cognition Brain and Language

(San Sebastián, Basque Country, Spain)

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: ReNeMos: Recurrent Network Models of Statistical Learning
- Location: Spain > San Sebastian
- Research Field: Neuroscience
- Type of contract/Duration of Contract: Temporary: 4 years
- Job Status: Full-time
- Hours per week: 35
- Starting date: January 2025 (flexible)
- Application deadline: 15 November 2024

Information about the project:

Statistical learning (SL) is a crucial capacity supporting efficient cognition and action throughout the lifespan. SL is an organism's ability to attune to coherent covariation in its environment (e.g., an infant learning sound patterns of a language, or visual patterns corresponding to objects). This project uses recurrent neural network modeling to investigate the types of computations that may support human SL. The modeling motivates EEG and MEG studies with human subjects. Together, the modeling and experiments will advance our understanding of the nature and computational basis for human SL.

Job description:
- Collaborating on finalizing experimental designs, implementing them, and collecting data
- Analysing EEG and MEG data
- Writing research papers under the supervision of the PI, aiming to publish at top-tier journals
- Dissemination of results at international scientific conferences

PI and research group:

Dr. James Magnuson will be the supervisor of this PhD project. Magnuson leads the Computational Neuroscience group at BCBL. Our group is developing novel computational approaches focused primarily on typical and atypical learning and language. Our general approach is to use modelling to motivate new hypotheses we then test with human subjects, in order to advance theoretical understanding.

2. CANDIDATES' PROFILE AND SELECTION CRITERIA

Required skills:
- Good knowledge of cognitive science/neuroscience
- Master's (or equivalent) degree in Psychology, Computer Science, Cognitive Neuroscience, Linguistics, or a related field
- Excellent written and oral communication skills in English

Desirable skills:
- Programming experience is highly desirable
- Experience with neural networks is also highly desirable
- Previous experience in participating in research projects (e.g., data collection, analysis)

3. WORKING CONDITIONS

Salary: 21,000€/year gross on average across the four years of the contract

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 opportunities 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

BCBL seeks to foster an environment where all talents can flourish, regardless of gender, age, cultural background,

nationality or impairments. If you have any questions relating to accessibility or support contact us.

4. OTHER RELEVANT INFORMATION:

Language policy
- The corporative language at the Center is English
- The center provides initial level Spanish and Basque lessons to all the international staff members
- The interview will be conducted entirely in English

5. APPLICATION PROCESS:

Submission of the application and documentation:
To submit your application, please follow this link: applying for "Ph.D. CANDIDATE POSITION – RECURRENT NETWORK MODELS OF STATISTICAL LEARNING" and attach the following documentation:

- A curriculum vitae
- A statement outlining research interests and motivation to apply for the position
- Transcript of records for the completed master's and bachelor's degrees
- Two letters of recommendation

Learn more about the BCBL's OTM-R policy

Application process timetable:
1. Deadline for application: 15/11/2024
2. Evaluation by committee: 18/11/2024-27/11/2024
3. Interviews: 02/12/2024-05/12/2024
4. Final decision: 06/12/2024
5. Feedback to all applicants: 10/12/2024
6. Work contract start date: 15/01/2025 (flexible)

Contact details for enquiries: hr@bcbl.eu

FUNDED Ph.D. POSITION – PERCEPTUAL CONSCIOUSNESS
at the BCBL- Basque Center on Cognition Brain and Language
(San Sebastián, Basque Country, Spain)
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: Assessing perceptual awareness with closed-loop brain imaging
- Location: Spain > San Sebastian
- Research Field: Neuroscience
- Type of contract/Duration of Contract: Temporary: 4 years
- Job Status: Full-time
- Hours per week: 35
- Starting date: 1st of March 2025 (no later than this date)
- Application deadline: 01 December 2024

Information about the project:
The Basque Center on Cognition, Brain and Language (BCBL) is offering a predoctoral position for a PhD project aimed at investigating perceptual consciousness and metacognition. The research will utilize visual psychophysics and functional MRI techniques, including decoded neurofeedback.

Job description:
- Collaborating on finalizing experimental designs, implementing them, and collecting data
- Analysing neuroimaging and behavioral dat
- Identifying improvements or proposing new analysis pipelines.
- Writing research papers under the supervision of the Principal Investigator (PI), with the aim of publishing in top-tier journals.
- Disseminating results at international scientific conferences.

PI and research group:
Professor David Soto will supervise this PhD project. David leads the Consciousness group at BCBL, where we are developing new protocols to understand the distinction between conscious and non-conscious information processing in the human brain, and its role in guiding cognition and behavior. Our work combines advanced brain imaging techniques, decoded neurofeedback, psychophysics and state-of-the-art computational methods.

2. CANDIDATES' PROFILE AND SELECTION CRITERIA

Required skills:
- Good knowledge of cognitive science/neuroscience
- A strong interest in consciousness science.
- Master's degree in Computer Science, Engineering, Psychology, Neuroscience, or a related field
- Excellent computational skills in Python
- Excellent written and oral communication skills in English

Desirable skills:
- Experience with state-of-the-art neuroimaging techniques and analysis
- Experience using machine learning tools and/or computational models.
- Previous experience in participating in research projects (e.g., data collection, analysis)

3. WORKING CONDITIONS

Salary: 21,000€/year gross on average across the four years of the contract
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 opportunities 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
BCBL seeks to foster an environment where all talents can flourish, regardless of gender, age, cultural background, nationality or impairments. If you have any questions relating to accessibility or support contact us.

4. OTHER RELEVANT INFORMATION:

Language policy
- The corporative language at the Center is English
- The center provides initial level Spanish and Basque lessons to all the international staff members
- The interview will be conducted entirely in English

5. APPLICATION PROCESS:

Submission of the application and documentation:
To submit your application, please follow this link: applying for "Ph.D. POSITION CONSCIOUSNESS 2024" and attach the following documentation:

- A curriculum vitae
- A statement outlining research interests and motivation to apply for the position
- Transcript of records for the completed master's and bachelor's degrees
- Two letters of recommendation

Learn more about the BCBL's OTM-R policy

Application process timetable:
1. Deadline for application: 01/12/2024
2. Evaluation by committee: 02/12/2024-10/12/2024
3. Interviews: 13/12/2024-18/12/2024
4. Final decision: 19/12/2024
5. Feedback to all applicants: 20/12/2024
6. Work contract start date: 01/03/2025 (no later than this date)

Contact details for enquiries: hr@bcbl.eu

Other

WORKSHOP ON INFANT LANGUAGE DEVELOPMENT (WILD)

The Basque Center on Cognition, Brain and Language is pleased to announce the seventh biennial Workshop on Infant Language Development (WILD). The overarching goal of WILD is to bring together scientists with different perspectives and methodological approaches to the study of early language and cognitive development. The meeting will be held between **June 4th and 6th, 2025 in San Sebastian, Spain**.

WILD has been created to highlight recent research on a wide range of topics within monolingual and bilingual development, including speech perception and production; word learning; the development of syntax and morphology; brain mechanisms and first language acquisition; recent advances in infant brain imaging techniques (i.e., EEG, NIRS); atypical language development; language and cognition; early bilingualism; multilingual development; the role of culture in language development; gestures and non-verbal communication in infants and toddlers.

INVITED SPEAKERS

- Leher Singh, University of Maryland
- Sarah Lloyd-Fox, University of Cambridge
- Emmanuel Dupoux, Laboratoire de Sciences Cognitives et Psycholinguistique

IMPORTANT DATES TO REMEMBER

- Abstract submission start: Jan 01 2025
- Abstract deadline: Feb 10 2025
- Notification of abstract acceptance: Mar 30 2025
- Registration start: Jan 01 2025
- Registration deadline: Jun 04 2025

The 15th International Symposium on Bilingualism
- The Different Faces of Bilingualism -

Final call for individual papers and posters: deadline November 13
The call for individual papers and posters will end on **13 November 2024** (11:59 PM, CET). Thank you to all those who have submitted already. If you are planning to submit, but have not done so yet, please upload your abstract to the ISB15 submission portal by the deadline.

Individual papers are formal presentations on original research or pedagogy-focused topics by one or more authors, lasting a maximum of 15 minutes with 5 additional minutes for discussion.
Posters on original research or pedagogy will be displayed in sessions that offer the opportunity for individualized, informal discussion with others in the field. Posters are especially effective for presenting work-in-progress, fieldwork, and results of empirical research for which data can be presented visually. On each day of the conference, there will be a poster session with presenters in attendance. Posters can be left on display throughout the entire day of their session.
Abstracts should be a maximum of 300 words in length (including any references), written in English, and anonymized. Abstracts will be reviewed anonymously. Notification of acceptance will be sent by 3 February 2025.

The 15th International Symposium on Bilingualism will take place on **9-13 June 2025** in Donostia-San Sebastián (Spain) and will be hosted by the Basque Center on Cognition, Brain and Language.
The **theme** of the conference is *The Different Faces of Bilingualism*. This deliberately broad theme for ISB15 is aimed at meeting ISB's mission to create a space for researchers with a diverse range of interests to share their knowledge and gain new perspectives, and to foster meaningful cross-disciplinary collaborations. We hope to bring together researchers working on different faces of bilingualism, including different research areas, methodological approaches, and populations. In line with this aim, we have invited plenary speakers who represent different faces of bilingualism, from sociolinguistics to education, psycholinguistics to translation. This broad theme reflects the multidisciplinary nature of the organizing committee, based in a center of excellence for neuroscientific research into language and bilingualism. To capitalize on this expertise, ISB15 will feature The Bilingual Brain Day, which is intended to share the core insights of the field with researchers of other areas and to discuss the state-of-the-art with researchers in the field. The conference theme also aims to promote inclusivity, inspired by its location in the Spanish Basque Country, one of the few regions in the world that has successfully revived its bilingual heritage across all aspects of society.
ISB15 invites submissions in *all* areas of research on bilingualism and multilingualism, including but not limited to: linguistics, sociolinguistics, psycholinguistics, neurolinguistics, applied linguistics, neuropsychology, language acquisition, clinical linguistics, language and education, and multilingual societies.

Keynote speakers:

- Laura Bosch (University of Barcelona)
- Jasone Cenoz (University of the Basque Country)
- Robert Hartsuiker (Ghent University)
- Janet van Hell (The Pennsylvania State University)
- Pia Lane (University of Oslo)
- Rajend Mesthrie (University of Cape Town)
- Elizabeth D. Peña (University of California, Irvine)
- Anthony Pym (Universitat Rovira i Virgili)

For any inquiries, please contact ISB2025@bcbl.eu

The ISB15 Organizing Committee

Second call

THE NINTH LEARNING AND PLASTICITY MEETING
Äkäslompolo, Finland
April 6–9, 2025

A cross-disciplinary meeting that connects psychological and neuroscience research on the mechanisms of learning and brain plasticity

The special theme of the LaP 2025 meeting is "**Interventions to promote cognition and well-being"**. However, most of the program will consist of free papers reflecting the broad spectrum of learning and plasticity research

The LaP 2025 keynote speakers are:
Daphne Bavelier, University of Geneva, Switzerland
Martin Lövdén, University of Gothenburg, Sweden
Tiia Ngandu, Finnish Institute for Health and Welfare; Karolinska Institutet, Sweden

Six confirmed symposia:
- Cognitive interventions in clinical and healthy child populations: From design to implementation
- Multicomponent path to reading success: Cognitive, linguistic, and socio-emotional interventions
- The benefits of cognitively stimulating activities to promote brain health across the lifespan
- Singing in the brain: Behavioural and neural benefits of music and singing across life
- Understanding the dynamics between body, brain, and mind in promoting wellbeing
- Cognitive tools to support health decisions

Abstract submission deadline December 2, 2024

Informal atmosphere and small size (maximum 60 participants) help to connect participants and promote discussion
Excellent possibilities for winter sports and other outdoor activities

For further information, see the congress website at https://lapmeeting.fi/

Hope to see you at the Heart of Finnish Lapland in Spring 2025!

The LaP Scientific Committee,
Juha Salmi, University of Oulu, Finland (Program Chair)
Minna Lehtonen, University of Turku, Finland (Chair)
Susanne Jaeggi, Northeastern University, USA
Matti Laine, Åbo Akademi University, Finland
Marcus Meinzer, University Medicine Greifswald, Germany
Teppo Särkämö, University of Helsinki, Finland
Sari Ylinen, University of Tampere, Finland

Connect with us to get the latest membership updates and announcements.

Society for the Neurobiology of Language |**www.neurolang.org**