SNL 2022
October 6-8, 2022
Loews Philadelphia Hotel | Philadelphia, Pennsylvania

Save the Date
SNL 2022 | OCTOBER 6-8, 2022

[Loews Philadelphia Hotel, Philadelphia, PA](#)

After two years of virtual meetings, the SNL community will come together in person in Philadelphia, the birthplace of the United States!

The Fourteenth Annual Meeting of the Society for the Neurobiology of Language will be held in Philadelphia, USA, from **October 6 - 8, 2022** at the historic Loews Philadelphia Hotel.

SNL 2022 will feature three full days of scientific programming including Keynotes, Symposia, Slide Sessions, Poster Sessions, Award talks, Poster Slams and more!
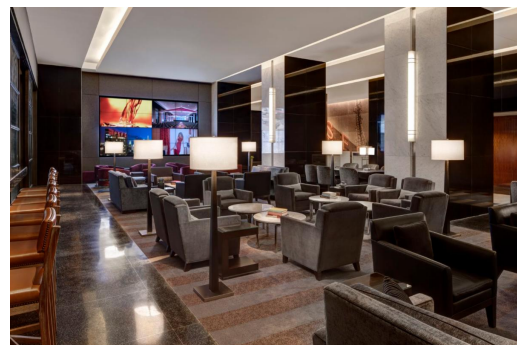
For the convenience of our meeting attendees, SNL has arranged for special room rates at the Loews. Booking a room here means you are only steps away from the meeting rooms, poster sessions, and social events.

Register for SNL 2022

Make a Reservation

Society's Journal

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

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Job Postings

Tenure-Track Position
The Department of Cognitive Sciences, University of Haifa

The Department of Cognitive Sciences at the University of Haifa, Israel, invites applications for an open-rank tenure-track position, beginning in Oct. 2023. The academic rank will be matched to the candidate's qualifications.
The deadline for application is Aug. 30, 2022. The screening of applications will continue until the position is filled.

The Department of Cognitive Sciences is an interdisciplinary department, within The School of Psychological Sciences at the University of Haifa, Israel. The department was established in 2018, with the aim to combine different theoretical and methodological perspectives to the study of cognitive processes. We draw on research from, Psychology, Neuroscience, Computational Sciences Linguistics and Philosophy. We currently have an undergraduate program, and our goal is to establish a graduate program in the near future. This provides a great opportunity for young scientists to influence the development of the curriculum and the department.

We are particularly interested in applicants whose research and training is of an interdisciplinary nature within the fields of computational cognitive sciences, with an expertise in development and application of **computational analysis methods to study brain and behavior**. The candidate should be able to teach and cooperate scientifically with researchers from varied backgrounds on topics related to cognition. The successful candidate should demonstrate the potential to develop a strong research program, supervise student research, and teach undergraduate and graduate courses.

Please send: (1) Curriculum Vitae, (2) 2-3 selected publications, (3) research statement (up to 3 pages) highlighting past work as well as your plans, (4) teaching statement (1 page), and (5) names and email addresses of three referees to: Meital Malul, the administrative manager of the Department of Cognitive Sciences, University of Haifa: mmalul1@univ.haifa.ac.il
Final appointment is at the discretion of the Dean and Rector of the University of Haifa.

University of Florida, McKnight Brain Institute
Postdoctoral Fellowships

Applications are now open for the McKnight Brain Institute's new enhanced postdoctoral fellowship program: Gator NeuroScholars. This unique opportunity is intended to accelerate academic research careers in the neurosciences.

Up to four postdoctoral associates will be awarded a highly competitive stipend ($60,000-65,000, plus benefits) for up to three years, with additional funds to support travel and computing needs. Support may also be available to offset special circumstances.

In Year 2, Gator NeuroScholars will be eligible for up to $25,000 of research support to collect preliminary data for a career development application (e.g., K99/R00 Pathway to Independence Award). Funding for the third year of support will be contingent upon submission of an application for extramural funding. Candidates will choose a mentor from any of the MBI research focus areas and potential mentors can be found by viewing the MBI Faculty Membership Directory. Mentors include Edith Kaan and Eleonora Rossi at UF Linguistics.

Individuals from historically underrepresented groups, disadvantaged or underserved backgrounds, and/or with disabilities are highly encouraged to apply, as the MBI believes that trainees from diverse backgrounds and life experiences bring unique perspectives, creativity and talents to address complex challenges in neuroscience.

For more information see https://mbi.ufl.edu/2022/05/27/gator-neuroscholar-postdoctoral-fellowships/

Applications must be submitted by July 31, 2022

Positions Available for a Project on Arabic Word Recognition

We are looking for a postdoc or predoctoral researcher for a project on "Prediction and preview effects in Arabic word recognition" at New York University Abu Dhabi. The project PIs are David Melcher, Nizar Habash, Diogo Almeida and Laila Familiar.

The successful applicant will drive a fascinating project on the role of prediction and parafoveal previews across eye movements in the rapid recognition of Arabic words and other visual stimuli. In particular, we will use a combined behavioral, eye-tracking and neuroimaging paradigm to study the "preview effect", in which the fact that we see a stimulus peripherally dramatically influences the neural processing of that item when we look directly at it. These behavioral and neural measures allow us to characterize how prediction and the parafoveal preview increases the efficiency of neural processing. In this context, the role of previewing a word with peripheral vision while reading Arabic is a particularly interesting research question, and we will compare the preview effect for Arabic words, English words, faces, oriented gratings and other stimuli.

The candidate will work in a multidisciplinary environment with world-class research infrastructure, consisting of PhD-level scientists, graduate students and undergraduate students, with the project also involving faculty from Psychology, Computer Science and Arabic Language.

Applicants must have a PhD (for the Postdoctoral Fellow position) or Master's Degree (for predoctoral research assistant) in Psychology, Linguistics, Neuroscience, Computer Science or related field. The ideal candidate will have strong knowledge of

psycho/neuro-linguistics and/or visual perception, as well as experience with eyetracking and with EEG or a similar methodology. Given that the stimuli in these studies will include Arabic words, some knowledge of Modern Standard Arabic is desired (but not required).

The salary and benefits (including housing allowance and education) are highly competitive and the research infrastructure is world-class. Abu Dhabi is a great place to live, with warm weather year round and lots to do, and the Abu Dhabi-Dubai area is one of the most visited holiday destinations in the world. Collaboration and visits to other campuses in the New York University Global Network is encouraged but not required.

Applications will be accepted immediately and candidates will be considered until the position is filled. To be considered, all applicants must submit a cover letter, curriculum vitae, transcript of degree, a one-page summary of research accomplishments and interests, and the names of the two reference writers (or, ideally, at least two written references) all in PDF format. Please visit our website at https://nyuad.nyu.edu/en/about/careers/postdoctoral-and-research.html for instructions and information on how to apply.

Director Netherlands Institute for Neuroscience-KNAW

The Netherlands Institute for Neuroscience (NIN-KNAW) is looking for an authoritative scientist with a research activity in the study of neural circuitry of mental functions and an inspiring leader that cherishes collaboration, team science and diversity & inclusion, and with excellent management capabilities.

The vacancy is published here:
https://www.academictransfer.com/en/313776/director-netherlands-institute-for-neuroscience-knaw/

The deadline for applications is September 1st, 2022.

Postdoctoral Fellow: Cognitive Neuroscience of Semantics
University of South Carolina

A post-doctoral research position is 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. Excellent facilities for fMRI, TMS, tDCS, EEG, and eye tracking are available. The Fellow will have an exciting opportunity to pursue collaborative and self-directed projects at the Institute for Mind and Brain (http://mindandbrain.sc.edu/). Opportunities to work on a large multi-modal neuroimaging dataset that includes fMRI of naturalistic language, as well as those for collaborations with computer scientists to develop cutting-edge analysis methods using machine learning/Deep Learning methods, 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 required. Expertise with fMRI (including MVPA; one of AFNI/SPM/FSL), or brain stimulation (TMS or tDCS) is required. Experience in one or more of lesion-symptom mapping, behavioral testing or imaging of patient populations, EEG, connectionist modeling, or machine learning is also a positive, along with skills in programming and statistics (e.g., Python, Matlab, R). A promising publication record is

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 Dec '22 – April '23, 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.

Post-Doctoral Position in *In Utero* Neuroimaging and Fetal Cogntion
The University of Zurich

A new postdoctoral position is available to work on *in utero* precursors of human vocal learning at the University of Zurich.

We are looking for a highly motivated postdoctoral researcher to carry out investigations into fetal brain responses to speech and non-speech sounds, in order to understand how *in utero* exposure to sound can affect post-natal vocal behaviour. The ideal candidate has a passion for elucidating the neural basis of language and proven experience in dealing with the challenges of fetal neuroimaging. The successful applicant will carry out analyses of existing functional and structural *in utero* neuroimaging data and will have the lead in the design and execution of a fetal auditory fMRI experiment. In addition to analytical and experimental work, 20% (flexible) can be given over to methods development, with a focus on developing approaches to dealing with *in utero* imaging artefacts, such as those arising from fetal movement.

The primary supervisor is Alexis Hervais-Adelman, in close collaboration with PD Dr. Andras Jakab of the Fetal and Neonatal Imaging Team, Center for MR-Research at the University Children's Hospital Zürich. In addition to affiliation in the Department of Psychology and the University Children's Hospital, the successful embedded in an inspiring multidisciplinary research environment, thanks to close contact with the NCCR "Evolving Language", the Zurich Centre for Linguistics and the Zurich Centre for Neuroscience.

Informal enquiries to alexis.hervais-adelman@psychologie.uzh.ch are welcome. Applications will be considered until the vacancy is filled, and must be submitted online. For additional details and the application procedure, please see: https://jobs.uzh.ch/offene-stellen/post-doctoral-position-in-in-utero-neuroimaging-and-fetal-cogntion/744398ea-107c-450f-8116-701b8c9dfb41

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

Other

Nijmegen Lectures

Don't miss the Nijmegen Lectures on 5, 6 and 7 July, a three-day series of talks & discussions by cognitive neuroscientist Stanislas Dehaene (INSERM-CEA Cognitive Neuroimaging Unit and Collège de France). The title of the lecture series is *Advances in understanding human singularity*. For further information and registration please visit the Nijmegen Lectures 2022 homepage.

SMILES Workshop Call for Abstracts

The SMILES (Sensorimotor Interaction, Language and Embodiment of Symbols) Workshop will take place both on site and virtually at the ICDL 2022 (International Conference on Developmental Learning).

* Call for abstracts:

- Deadline: July 18th
- Abstracts call: from 1/2 page to 2 pages (onsite and virtual participation are possible)
- Abstract format: same as ICDL
  conference **https://www.ieee.org/conferences/publishing/templates.html**
- **Submissions: smiles.conf@gmail.com** + indicate if you will be onsite or online
- Workshop dates: September 12, 2022
- Venue onsite: Queen Mary University of London, UK.
- Venue online: via Zoom and Discord group.

Accepted abstract will be asked to make a short video or poster for the workshop.

* Workshop Short Description
On the one hand, models of sensorimotor interaction are embodied in the environment and in the interaction with other agents. On the other hand, recent Deep Learning development of Natural Language Processing (NLP) models allow to capture increasing language complexity (e.g. compositional representations, word embedding, long term dependencies). However, those NLP models are disembodied in the sense that they are learned from static datasets of text or speech. How can we bridge the gap from low-level sensorimotor interaction to high-level compositional symbolic communication? The SMILES workshop will address this issue through an interdisciplinary approach involving researchers from (but not limited to):
- Sensori-motor learning,
- Symbol grounding and symbol emergence,
- Emergent communication in multi-agent systems,
- Chunking of perceptuo-motor gestures (gestures in a general sense: motor, vocal, ...),
- Compositional representations for communication and action sequence,
- Hierarchical representations of temporal information,
- Language processing and language acquisition in brains and machines,
- Models of animal communication,
- Understanding composition and temporal processing in neural network models, and
- Enaction, active perception, perception-action loop.

* More info
- contact: **smiles.conf@gmail.com**
- organizers: Xavier Hinaut, Clément Moulin-Frier, Silvia Pagliarini, Joni Zhong, Michael Spranger, Tadahiro Taniguchi, Anne Warlaumont.
- invited speakers (coming soon)
- workshop website (updated regularly)**: https://sites.google.com/view/smiles-workshop/**
- ICDL conference website: **https://icdl2022.qmul.ac.uk/**

PhD Scholarship in Aphasia Available at The University of Queensland, Australia

PhD scholarship available with the Queensland Aphasia Research Centre (QARC) at The University of Queensland, Brisbane, Australia, investigating the implementation of the Comprehensive High-dose Aphasia Treatment (CHAT) program in rehabilitation services across Australia.

Brief project description:

There is high quality evidence that aphasia therapy improves communication outcomes and individuals benefit more when aphasia therapy is provided in a higher dose. Yet this evidence has not been translated into practice. Major evidence-practice gaps in aphasia identified by our team include the inadequate amount and

intensity of therapy received, the lack of collaborative goal setting, and a lack of conversation partner training.

To address these gaps, we have developed and trialled an effective, comprehensive high-dose aphasia program. Based on our work to date and our identification of translational barriers, the overall aims of this research are to evaluate the implementation of our proven, comprehensive, high dose aphasia treatment in the clinical setting. Our program, called CHAT (Comprehensive High-Dose Aphasia Treatment), incorporates evidence-based and goal-directed treatment of impairment and function. A suite of evidence-based implementation strategies will be used with participating hospitals and health services in metropolitan and regional areas with uptake sustained through clinical support networks.

This translation research will provide evidence required to directly influence policy and improve aphasia management and access, thus addressing key priorities of health professionals and services. It will provide a new model of care for delivering comprehensive and effective aphasia rehabilitation and establish a practical solution to optimize outcomes for patients.

Scholarship information:

Applicants interested in the PhD scholarship are invited to discuss potential project topics with Professor David Copland (d.copland@uq.edu.au) and Dr Marie McSween (m.mcsween@uq.edu.au) before submitting.

Applicants will be judged on a competitive basis taking into account the applicant's previous academic record, publication record, honours and awards and employment history. A working knowledge of aphasia rehabilitation would be of great benefit to someone working on this project.

The applicant must demonstrate academic achievement in the field of speech-language pathology and the potential for scholastic success. The applicant should also have an excellent written and spoken command of English. Both domestic and international students can apply.

For more information about the scholarship available and how to apply, please visit: https://graduate-school.uq.edu.au/project/implementation-comprehensive-high-dose-aphasia-treatment-chat

For more information about the Queensland Aphasia Research Centre (QARC), please visit: https://shrs.uq.edu.au/qarc

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2 PhD Scholarships in Neurobiology of Language
Queensland University of Technology, Australia

We have 2 PhD scholarship/stipends available associated with Australian Research Council (ARC) funded projects in our lab (https://research.qut.edu.au/lcbs/) at Queensland University of Technology (QUT), Brisbane, Australia.

The aim of Project 1 is to investigate the cognitive and neural mechanisms of language production using psycholinguistic, electrophysiology, fMRI and TMS methods. Investigators are Greig de Zubicaray (QUT), Katie McMahon (QUT), Angelique Volfart (QUT), Vitória Piai (Radboud University) and Catherine Liégeois-Chauvel (University of Pittsburgh)

The aim of Project 2 is to investigate the role of language statistics/statistical learning mechanisms in production and comprehension using psycholinguistic, fMRI and TMS methods. Investigators are Greig de Zubicaray (QUT), Katie McMahon (QUT), Elaine Kearney (QUT), Joanne Arciuli (Flinders University) and Frank Guenther (Boston University)

Applicants interested in the PhD scholarships should contact Prof Greig de Zubicaray (greig.dezubicaray@qut.edu.au) or Prof Katie McMahon (k21.mcmahon@qut.edu.au)

Eligible applicants will:

- have completed a postgraduate qualification administered and assessed in English from an institution in Australia, New Zealand, UK, EU, Norway, Switzerland, Canada and USA.
- the postgraduate qualification (preferably an MPhil or MSc) must have included a significant research component and thesis (at least 25 percent of the total degree).

For more information on how to apply, please visit:

https://www.qut.edu.au/research/study-with-us/phd

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