



CNS
Cognitive Neuroscience Society

Cognitive Neuroscience Society Newsletter March, 2024

Welcome To The CNS Newsletter!

This monthly newsletter is intended for CNS members only. For guidelines on submitting an announcement to the newsletter, see <https://cogneurosociety.org/newsletter>.

Get regular news updates on the [CNS blog](#), [Twitter](#), and [Facebook](#).

CNS SOCIETY NEWS

We look forward to seeing everyone in Toronto on April 13-16. Please go to <https://www.cogneurosociety.org/schedule-of-events/> to see our fantastic program.

New on the CNS Blog: Great Expectations: How Our Prior Experiences Shape Our Reality

From daily illusions like seeing animal shapes in clouds or mistaking a curtain for a person in a dark bedroom to more complex ones, like the “hollow mask illusion,” our prior experiences and expectations shape how we perceive the world around us, sometimes in unexpected ways. Studying what happens in the brain during these illusions, cognitive neuroscientists like Peter Kok gain insight into the internal signals the human brain uses to shape reality.

“To properly understand perception we need to pay as much attention to internal signals, such as prior knowledge and

CNS ANNUAL MEETING

April 13-16, 2024
Toronto, Canada.

www.cogneurosociety.org

Moving? Changing your email address?

Don't forget to update your contact information! See, [Membership](#).

CNS NEWSLETTER

This newsletter is intended for CNS members only. It is a monthly newsletter designed to update its members on events, job opportunities, and related information in the field of Cognitive Neuroscience. The Newsletter is emailed monthly to all current members. Membership and contact information can be updated by logging into member's account. For guidelines on submitting an announcement to the Newsletter, see <https://cogneurosociety.org/newsletter>.

Mailing Address:
Cognitive Neuroscience Society
c/o Center for Mind and Brain
267 Cousteau Place
Davis, CA 95618

expectations communicated by our memory systems, as we do to external signals coming from our eyes and ears,” says Kok of the Wellcome Centre for Human Neuroimaging at University College London. “Excitingly, we now have the tools to start to tease apart these signals.”

Kok is a co-recipient of the Young Investigator Award and will give an award lecture at CNS 2024 about his lab’s research using high-field fMRI and other technologies to understand how our expectations influence the way we see the world. [Read this new interview with Kok](#) to learn more.

Get regular updates from CNS about our members and the latest science in the journals and in the news on [Twitter](#) and [Facebook](#).

Contact Email:

cnsinfo@coqneurosociety.org

Have something you'd like to add?

For guidelines on submitting an announcement to the Newsletter, see [About Newsletter](#).

MOVING? CHANGING YOUR EMAIL ADDRESS?

Don't forget to update your contact information!

<https://cogneurosociety.org/membership>

This monthly newsletter goes to all current CNS members and includes updates on events, job opportunities, and related information in the field of Cognitive Neuroscience. Update membership and contact information by logging into your member account.

ANNOUNCEMENTS / CONFERENCES / Technical Assistance / Funding Opportunities

Conference/Symposium/Event

Thalamocortical networks (ThalNet): Bringing together cellular and cognitive neuroscience

BCBL, Basque Center on Cognition, Brain and Language

We are pleased to announce "Thalamocortical networks (ThalNet): Bringing together cellular and cognitive neuroscience", which will take place in person this May 16-17 at the Miramar Jauregia in Donostia–San Sebastián: <https://www.bcbl.eu/events/Thalnet/en/>

To understand thalamic function and structure represents a formidable neuroscientific challenge, wherein the collaboration between cellular and cognitive neuroscientific approaches holds much promise. Recognizing the potential synergy between these two disciplines, ThalNet is aimed at convening world experts from both realms and at setting the bases to initiate, foster, and develop interactions among researchers from these fields to further advance and strength our understanding of thalamocortical and corticothalamic networks.

We look forward to welcoming you to Donostia-San Sebastián and to this exciting scientific

event, which includes world renowned speakers on the topic.

ThalNet organizing, scientific and administration committees
<https://www.bcbl.eu/events/Thalnet/en/>

Contact Information

Contact Website: <https://www.bcbl.eu/events/Thalnet/en/>

Conference/Symposium/Event

Annual Meeting of Society for the Neuroscience of Creativity, April 11-12 2024, Toronto

Society for the Neuroscience of Creativity

The annual meeting of the Society for the Neuroscience of Creativity (SfNC2024) will take place April 11-12, 2024 in Toronto (immediately preceding the annual meeting of the Cognitive Neuroscience Society). SfNC2024 will be held in the Tecumseh Auditorium at the Toronto Metropolitan University located in downtown Toronto (55 Gould Street, Toronto, Canada).

SfNC2024 will be a forum for fostering conversations between scientists, designers, artists, and practitioners of creativity. This year, we are especially excited to explore the relationship between creativity and design from the perspective of behavior and the brain.

The keynote speakers for SfNC2024: Creativity & Design are Upali Nanda and Kosa Goucher-Lambert. Dr. Nanda and Dr. Goucher-Lambert are renowned experts on the application of research on human cognition and well-being to the enhancement of creativity and innovation in design.

Registration is free for members of SfNC. To join or renew your membership, visit our membership page: <https://www.tsfnc.org/membership>

Contact Information

Contact Website: <https://www.tsfnc.org/>

Contact Email: tsfnc.org@gmail.com

Faculty Positions

Faculty Position

Open Rank - Human Neurosciences

University of Chicago

The University of Chicago's Department of Neurology in the Biological Sciences Division is searching for a tenured or tenure-track faculty member at any rank working in the general area of

network-neuroscience in human subjects with a focus on cognition and brain injury. The appointee will be expected to develop a productive and impactful research program and to contribute to the educational mission of the department, which includes teaching at the undergraduate and graduate levels and training of graduate and post-graduate Ph.D. and M.D. researchers. Academic rank and compensation (including a generous package of fringe benefits) are dependent upon qualifications.

The Department has many opportunities for collaboration in the areas of cerebrovascular disease, traumatic brain injury, epilepsy, and multiple sclerosis. In addition, the resources and environment for research at the University of Chicago are excellent, including a vibrant neuroscience community organized around the Neuroscience Institute (<https://neuroscience.uchicago.edu/>), a research-dedicated MRI facility, and an array of instrumentation for human neuroscience available through the Center for Neurocognitive Outcomes Improvement Research in the Department of Neurology (<https://cnoir.bsd.uchicago.edu/>).

Prior to the start of employment, qualified applicants must: 1) have a doctoral degree or equivalent in Biological or Biomedical Sciences or related disciplines and 2) have completed postdoctoral training.

We especially welcome applications from candidates with research interests that fall broadly within the human-neurosciences of brain networks and brain injury, including topics and methods such as lesion-network mapping, structural and functional MRI connectivity, neuromodulation, large-dataset curation, and assessment of cognition, memory, and functional outcomes. Publication record and ability to obtain extramural grants will be considered.

Contact Information

Contact Website: <https://apply.interfolio.com/140407>

Contact Name: Joel Voss

Contact Email: joelvoss@uchicago.edu

Faculty Position

Instructional Position in MAPSS, University of Chicago

Open

Master of Arts Program in the Social Sciences (MAPSS)

University of Chicago

The Division of the Social Sciences at the University of Chicago invites applications for appointment as Instructional Professor (IP), with a specialization in Psychology, in the Master of Arts Program in the Social Sciences (<https://mapss.uchicago.edu>). We are particularly interested in candidates with the training and experience to teach and advise students in experimental and/or quantitative methods.

This is a full-time, career track teaching and advising position that that involves designing graduate seminars and mentoring students on research projects. The initial three-year appointment will begin in Academic Year 2024-25 and is renewable with opportunity for promotion. Appointment at rank Assistant, Associate, and full Instructional Professor will be considered based on the candidate's experience.

MAPSS is a one-year program providing students with a foundation in graduate-level interdisciplinary social science research. Students concentrate in psychology, economics, anthropology, history, political science, sociology, or in interdisciplinary research, and conduct original research projects under the supervision of UChicago faculty. MAPSS recruits talented students from a wide array of backgrounds, experiences, and trajectories. Some go on to doctoral study after MAPSS, while others use the degree to advance their career with the help of an in-house Career Service team.

IP at UChicago teach up to 6 courses per year; in MAPSS, IP generally perform substantive roles advising students on their independent research projects and quarterly course selection, serve as second-readers on student theses, provide broad academic and professional guidance to masters students, and participate in admissions and recruiting as well as other co-curricular academic programming, resulting in an annual teaching load of 4 courses plus other assigned responsibilities. Those courses include one section of the MAPSS core course "Perspectives in Social Science Analysis," at least one graduate seminar introducing an important social science research methodology, and other courses oriented toward MA and/or undergraduate students, according to program need.

In addition to teaching, the IP will annually mentor a group of students; serve as second reader on their MA theses; advise a limited number of theses as the primary reader; hold weekly office hours; organize occasional events for their students; hire and manage teaching assistants; contribute to program operations such as admissions, staff hiring, and student recruitment; attend staff meetings; support students in their applications to doctoral programs; and participate in the student academic conference or on decision-making committees (e.g. student prizes).

The position includes support for professional development, including funds to attend conferences and workshops, as well as mentoring from senior members of the MAPSS instructional team. The position also offers opportunities to participate in the intellectual life of the University.

Qualifications

Applicants must have a PhD in Psychology or a PhD in a related discipline prior to the start date. Prior teaching in the social sciences is required. Experience mentoring students on original research projects is preferred.

Application Instructions

The following materials must be submitted through Interfolio at <https://apply.interfolio.com/140234%5D>: 1) a cover letter, outlining the applicant's prior training and research experience, their prior teaching and/or mentoring experience, and their suggested course offerings; 2) a curriculum vitae; 3) an article-length writing sample; 4) at least one course syllabus designed by the candidate; 5) course evaluations or other evidence of past experience teaching or mentoring; 6) a teaching statement; and 7) three letters of recommendation.

Review of applications will begin on March 1, 2024 and will continue until the position is filled

or the search is closed.

This position will be part of the Service Employees International Union.

Contact Information

Contact Website: <https://apply.interfolio.com/140234%5D>

Contact Name: YC Leong

Contact Email: ycleong@uchicago.edu

Postdoctoral Positions

Postdoctoral Position

VA Boston/Boston University postdoctoral position

Andrew Budson/Center for Translational Cognitive Neuroscience

VA Boston/Boston University

The Center for Translational Cognitive Neuroscience (<http://sites.bu.edu/ctcnlab/>) at the VA Boston Healthcare System is currently accepting applications for a postdoctoral research fellow to assist with Dr. Andrew Budson's VA-funded research on memory and Alzheimer's disease and related disorders. Applicants must be US citizens.

Current research projects involve (1) the use of EEG, event-related potentials (ERPs), structural MRI, and amyloid PET scans to understand changes in veridical and false memories in individuals with mild cognitive impairment (MCI) and Alzheimer's disease, (2) assessing the impact of social isolation during the COVID-19 pandemic in older adults with and without Alzheimer's disease, (3) developing cognitive strategies and interventions (e.g., using theta-band neurofeedback) to compensate for changes in memory, (4) understanding the relationship between memory, consciousness, and dementia, (5) understanding consolidation in Alzheimer's disease, and (6) understanding the cause of visual hallucinations in dementia with Lewy bodies and posterior cortical atrophy.

The postdoctoral fellow will be involved in all aspects of the research projects, including study design, collection of data (behavioral, EEG, imaging, and clinical), data analysis, and manuscript preparation. Additionally, the fellow will have opportunities to set up new equipment (e.g., TMS rig, gaze tracking), and assist with the continued development/piloting of studies including (1) the assessment of consciousness as a memory system and (2) improving subsequent memory in aging and Alzheimer's disease by theta oscillatory brain activity modulation. The fellow will be an author of all publications/studies on which they worked. The fellow is projected to stay for 2 to 3 years (grant end date is 6/30/27) and the position is renewable yearly depending on the availability of funds and satisfactory performance. Successful applicants will have a background in experimental psychology and cognitive neuroscience, and the ability to write papers, grants, and IRB protocols. A record of publishing research is expected. Knowledge of statistics is required and knowledge of ERP and/or TMS methods and software is preferred. The applicant should be highly motivated and able to work

independently and as part of a team. The position is open now, with an anticipated start date of summer 2024. Salary grade at the GS-11 level for the Boston area is \$81,963.

Application Procedure: Please send a letter of interest, curriculum vitae, and contact information for 3 references to Dr. Andrew Budson (abudson@bu.edu).

Contact Information

Contact Name: Andrew Budson

Contact Email: abudson@bu.edu

Postdoctoral Position

2 Postdoc positions at UConn brainLENS Lab (<https://www.brainlens.org>)

BrainLENS

Department of Psychological Sciences

University of Connecticut

The Hoeft Lab (<http://brainLENS.org>; PI: Fumiko Hoeft MD PhD, Campus Dean & CAO; Professor of the Department of Psychological Sciences) at the University of Connecticut (UConn) is looking for two exceptional postdocs in the field of cognitive neuroscience/neurolinguistics with advanced neuroimaging, computational, programming, and writing skills.

The postdocs are expected to analyze functional and structural MRI (and EEG) data and publish primarily from three NIH-funded projects: (1) the INTERGENERATIONAL NEUROIMAGING project that examines transmission of neurocognitive features of language/reading and executive function across generations (e.g., Ho et al. TiNS 2016); (2) the MULTILINGUAL project that investigates reading development and the underlying neural mechanisms in early multilingual children who were followed up since pre-literate grades 3/5 (e.g., Kepinska et al. Sci Rep 2023); and (3) the NEURAL NOISE HYPOTHESIS project that tests the hypothesis using multimodal MRI and EEG (e.g., Hancock et al. TiCS 2017). There are also opportunities to write grants and publish using other existing (e.g., TMS+MRI+MRS) and publicly available datasets in the lab on the neuroscience of language and literacy.

The candidate must have strong research experience in (1) reading / dyslexia or related fields of cognitive neuroscience and (2) MRI- (and/or EEG) based neuroimaging. Strong management, collaboration, communication, and writing skills are required. A strong publication record and expertise in programming, open-science approaches, and network / machine learning approaches are a plus.

The positions can begin immediately. Please email brainlens@uconn.edu with a cover letter describing qualifications and a current CV. Please add “[Postdoc job] First & Last Name” to the email's subject. Qualified candidates will be asked to have three letters of reference forwarded.

Postdoctoral Position

Canady Diversity Science Postdoc program

Area open

Department of Psychology

Northwestern University

The Psychology Department at Northwestern University is now accepting applications for its Canady Diversity Science Postdoctoral Fellowship. A description of the fellowship and information about the application process can be found at: <https://tinyurl.com/2cayu3hk>

We encourage recent and soon-to-be PhDs (in any subfield of psychology) with an interest in diversifying psychological science to consider applying.

Contact Information

Contact Website: <https://psychology.northwestern.edu/diversity/canady-diversity-science-fellowship.html>

Postdoctoral Position

COGNITION & NEUROIMAGING OF ACUTE TO CHRONIC STROKE

Schnur Laboratory

Department of Physical Medicine & Rehabilitation

University of Texas Health Science Center, Houston

The Schnur laboratory at the University of Texas Health Science Center in Houston invites applications for a postdoctoral fellowship as part of the NIH project “Recovery of Language and Theory of Mind after Stroke”. The position is a full-time paid position starting Summer 2024.

Our laboratory enrolls participants in the acute phase of stroke for behavioral testing and neuroimaging from three comprehensive stroke centers in the Houston Texas Medical Center. The goal of the project is to understand the neural, cognitive, and social communication systems which contribute to recovery of language in the year following stroke. We enjoy collaborations with research groups in Houston as well as nationally and internationally. Our laboratory is located within the TIRR Memorial Hermann Research Center in the center of Houston, a 10-minute walk to patient recruitment sites in the Texas Medical Center, 5-minutes from the Baylor College of Medicine’s Center for Advanced Magnetic Resonance Imaging (CAMRI), and a 10-minute walk to the Houston METRO Rail. At CAMRI, we collect quantitative and functional neuroimaging from patients and neurotypical controls on a state-of-the art 3T Siemens Prisma scanner.

Required: The successful candidate should have a PhD in a field related to cognitive

neuroscience. Strong expertise in human fMRI and/or quantitative neuroimaging data analysis as evidenced by the Ph.D. thesis and/or publications is required. Desirable additional qualifications include experience in cognitive psychology of language, with evidence of successful manuscript preparation.

Informal inquiries can be made to Dr. Tatiana Schnur (scanlab@uth.tmc.edu). In addition, please prepare the below materials combined into one document (.doc or .pdf). We will begin reviewing applications mid-March.

- a one-page cover letter (include specific examples of qualifications for the position, why the position is of interest, and your career goals)
- CV
- statement of research interests (up to 1-page, including relevant background for this position)
- the name and email addresses of three references

Ideally, candidates will begin in late summer 2024.

University of Texas Health Science Center-Houston is an Equal Opportunity / Affirmative Action / Equal Access Employer.

Contact Information

Contact Website: <https://sites.google.com/site/ttschnur/>

Contact Name: Tatiana Schnur

Contact Email: scanlab@uth.tmc.edu

Postdoctoral Position

Postdoctoral position in MRI data analysis of cerebellar development

Diedrichsen Lab

Neuroscience

Western University, London, Ontario, Canada

We are looking to recruit a new postdoctoral associate for a large collaborative project on the anatomical development of the human cerebellum, funded by the Raynor Cerebellar Project. The overall goal of the project is to develop a high-resolution normative model of human cerebellar development across the entire life span (see [raynorcerebellumcharts.github.io](https://github.com/raynorcerebellumcharts)). The successful candidate will join the Diedrichsen Lab (Western University, Canada) and will work with a team of colleagues at Erasmus Medical Center, the Donders Institute (Netherlands), McGill, Dalhousie, Sick Kids, and UBC (Canada). A PhD degree in Neuroscience, Statistics, Computer Science, Engineering, Psychology, Medicine or related fields is required. Expertise in machine learning, analysis of medical imaging data, and/or normative modeling is highly desired. The project is funded for a 3 year duration, with the initial contract for 2 years. The exact starting date is negotiable, but would be ideally as close as possible to the project start date, April 1st, 2024. Review of application will start March 5th and continue until the position is filled

Contact Information

Contact Website: <https://raynorcerebellumcharts.github.io/>

Contact Name: Bassel Arafat

Contact Email: barafat@uwo.ca

Postdoctoral Position

Postdoctoral Fellowship, Villanova University, Villanova, PA

Human Cognition & Cognitive Neuroscience

Department of Psychological & Brain Sciences

Villanova University

Villanova University invites applications for a Mendel Science Experience Postdoctoral Fellowship within the Department of Psychological and Brain Sciences (<https://www1.villanova.edu/university/liberal-arts-sciences/programs/psychological-brain-sciences.html>), in the area of human cognition/cognitive neuroscience. The position has a starting date of August 2024. Review of applications will begin near the end of February, and the search will remain open until the position is filled.

The Fellow position is 50:50 research and teaching and is designed to foster the professional development of recent Ph.D. recipients on a career path leading to faculty positions. The Fellow will conduct research in collaboration with the faculty mentor (Dr. Irene Kan, <https://irenekan.my.canva.site/>) and will have opportunities to participate in ongoing interdisciplinary collaborative projects on a range of topics, including driver performance, perceptions of disability, gait analysis in older adults, and health disparities. Finally, the Fellow will be provided with a research budget (\$4,000/year) to supplement resources available in the lab and the department.

In addition, the Fellow will gain formal teaching experience, including teaching a laboratory science course on “Neuroscience of Sleep” and develop undergraduate courses in psychological science and/or cognitive neuroscience. Initial appointment is for two years, with a third year possible by mutual agreement between the fellow and faculty mentor.

Candidates with a Ph.D. in Psychology, Neuroscience, Neuropsychology, or a related field and research interest in human cognition and/or sleep are encouraged to apply. Applicants with expertise in human memory, sleep health and/or aging will be particularly well suited for this position. We are especially interested in candidates with experience in fNIRS, actigraphy, EEG, and/or eye-tracking. Detailed job posting can be found here:

<https://jobs.villanova.edu/postings/27776>

Contact Information

Contact Website: <https://jobs.villanova.edu/postings/27776>

Contact Name: Irene Kan

Contact Email: irene.kan@villanova.edu

Postdoctoral Position

COGNITIVE NEUROSCIENCE OF MEMORY

CabezaLab

Center for Cognitive Neuroscience

Duke University

Multiple postdoctoral positions in the laboratory of Roberto Cabeza (www.cabezalab.org) at the Center for Cognitive Neuroscience of Duke University (www.ccn.duke.edu). Research topics include episodic memory representations and networks, and the interactions between episodic memory and decision making. Some studies include healthy older adults and individuals with mild cognitive impairment. The studies employ behavioral and fMRI methods, and the analyses include cutting-edge representational similarity analyses and graph theory. The desirable candidate will have three qualifications: (1) experience in fMRI research, (2) strong computer skills, and (3) a promising publication record. Send a statement of research interests, a CV, and three referees' contact information to cabeza@duke.edu.

Contact Information

Contact Website: <https://www.cabezalab.org>

Contact Name: Roberto Cabeza

Postdoctoral Position

Postdoctoral Researcher- Purdue University

ABC Lab

Department of Speech, Language, and Hearing Sciences

Purdue University

The ABC Lab at Purdue University is seeking a post-doctoral researcher to join our collaborative team that investigates cognition and language in adults with and without aphasia. The post-doctoral researcher will play a key role in designing and conducting fMRI studies aimed at elucidating the cognitive processes involved in language comprehension. To accomplish this, they will be trained on the MRI scanner at the Life Science MRI Facility and contribute to the acquisition, processing, and analysis of behavioral and neuroimaging data. Example projects include (1) exploring differences in the neural resources that support auditory and visual attention and (2) obtaining structural and functional MRI scans from people with

aphasia.

The post-doctoral researcher will be housed in the Department of Speech, Language, and Hearing Sciences at Purdue University, West Lafayette, IN, USA, which is one of the largest and highest ranked Speech-Language Pathology programs in the country. The Department is diverse and collegial and includes a thriving interdisciplinary community of top-notch researchers and clinicians dedicated to translational research across lifespan. The post-doctoral researcher will have ample opportunities to capitalize on an extraordinary network of collaborations, resources, and mentorship for professional development.

Responsibilities:

- Design and implement fMRI experiments to investigate language and cognition
- Recruit and screen participants for fMRI studies, ensuring adherence to ethical guidelines and study protocols
- Analyze fMRI data using advanced neuroimaging techniques and software
- Collaborate with other team members to integrate findings from fMRI studies with behavioral and clinical data
- Write research publications, conference presentations, and grant proposals
- Mentor and supervise graduate students and research assistants involved in fMRI data collection and analysis

Expected start date: Preferred start date is between June 2024 and September 2024.

Duration/type: 2 years, full time

Application deadline: Applications will be reviewed continuously starting March 28, 2024

Qualifications:

- Research interests related to language, cognition, and aphasia
- Ph.D. in Neuroscience, Psychology, Cognitive Science, Speech and Hearing Science, or related field
- Proficiency/experience with neuroimaging software packages such as AFNI or SPM is preferred
- Expertise with statistical analyses and data visualization in R and/or SPSS
- Experience contributing to the preparation of peer-reviewed publications

Salary and Benefits:

- Salary will reflect NIH NRSA stipend level based on candidate's years of experience
- Health and retirement benefits
- Access to state-of-the-art research facilities and resources
- Opportunity for professional development and mentorship
- Collaborative and inclusive work environment

To apply:

• Complete the online application (<https://careers.purdue.edu/job-invite/30513/>), which includes uploading a cover letter detailing research interests and relevant experience, a current CV, and contact information for three references. References should send their letters directly to Dr. LaCroix. Inquiries about the position can be sent to Dr. Arianna LaCroix, anlacroi@purdue.edu.

Contact Information

Contact Website: <https://careers.purdue.edu/job-invite/30513/>

Contact Name: Arianna LaCroix

Contact Email: anlacroi@purdue.edu

Research Assistant Positions

Research Assistant I

Stamoulis Laboratory

Computational Neuroscience

Boston Children's Hospital

Job Description

At Boston Children's Hospital, the quality of our care – and our inclusive hospital working environment – lies in the diversity of our people. With patients from local communities and 160 countries around the world, we're committed to reflecting the spectrum of their cultures, while opening doors of opportunity for our team. Here, different talents pursue common goals. Voices are heard and ideas are shared. Join us, and discover how your unique contributions can change lives. Yours included.

Job Summary

The Computational Neuroscience Laboratory, led by Dr. Caterina Stamoulis, is seeking a highly motivated, full-time Research Assistant. The Research Assistant will work on projects at the intersection of Cognitive Neuroscience and Data Science, which aim to analyze large fMRI datasets with the goal of understanding the development of brain circuits in adolescence and the impact of environmental factors and stressors on their trajectories. This is an excellent opportunity to work at a teaching hospital of Harvard Medical School, become involved in Computational Cognitive Neuroscience research, and learn cutting-edge computational techniques. Please visit our website for more information regarding current projects as well as our team.

<http://www.childrenshospital.org/research/labs/stamoulis-laboratory>

<https://pubmed.ncbi.nlm.nih.gov/?term=stamoulis+c>

****Experience in Matlab programming required****

The Research Assistant I will be responsible for:

- Participate in cutting-edge research at the intersection of computational cognitive Neuroscience and Data Science that aims to characterize developing neural circuits in the adolescent brain.
- Independently develop computer codes, primarily using the software Matlab, and implement novel algorithms for characterizing brain networks and their developmental trajectories.
- Communicate well in a multi-institutional team environment, where individuals from multiple backgrounds (in Neuroscience, Computer Science, and Engineering) work together to characterize the adolescent brain using novel computational tools.
- Maintain and expand the capabilities of a novel computational platform for large-scale analysis of very large brain datasets.
- **Participate as co-author in manuscripts and conference abstracts.**

To qualify, you must have:

- Bachelor of Science in degree in Neuroscience, Biological Engineering, Electrical Engineering (with a focus on Signal Processing) or Physics.

- At least 1 year of research experience
- **Experience in Matlab programming required.**
- Experience in fMRI data processing preferred.
- Coursework in computational Neuroscience (if pursuing a degree in Neuroscience)
- If not a Neuroscience graduate, interest in Neuroscience
- **Experience in analysis of human brain data is heavily preferred.**
- Coursework in control theory is desirable but not a prerequisite.

Boston Children’s Hospital offers competitive compensation and unmatched benefits including flexible schedules, affordable health, vision and dental insurance, child care and student loan subsidies, generous levels of time off, 403(b) Retirement Savings plan, Pension, Tuition and certain License and Certification Reimbursement, cell phone plan discounts and discounted rates on T-passes. Experience the benefits of passion and teamwork.

#LI-Onsite *LI

#CB

Boston Children’s Hospital requires all employees to be vaccinated against COVID-19 and Flu, (unless you are eligible for a medical or religious exemption).

Boston Children’s Hospital is an Equal Opportunity / Affirmative Action Employer. Qualified applicants will receive consideration for employment without regard to their race, color, religion, national origin, sex, sexual orientation, gender identity, protected veteran status or disability.

Contact Website: <https://jobs.bostonchildrens.org/job/18956167/research-assistant-i-computational-neuroscience-boston-ma/>

Research Assistant Position

COGNITION & NEUROIMAGING OF ACUTE TO CHRONIC STROKE

Schnur Laboratory

Department of Physical Medicine & Rehabilitation

University of Texas Health Science Center, Houston

The Schnur laboratory at the University of Texas Health Science Center in Houston is seeking a motivated, highly organized, and resourceful individual to recruit and assess acute stroke patients in a hospital setting and to collect neuroimaging as part of the NIH project “Recovery of Language and Theory of Mind after Stroke”. The position is a full-time paid position starting Summer 2024.

Our laboratory enrolls participants in the acute phase of stroke recovery from three comprehensive stroke centers in the Texas Medical Center in Houston. The goal of the project is to understand the neural, cognitive, and social communication systems which contribute to recovery of language in the year following stroke. As a patient coordinator, you will learn to administer and assess detailed behavioral examinations of language and cognitive abilities to participants after brain-damage in coordination with a speech-language pathologist. Beyond recruiting and testing participants, the position will also involve organizing and analyzing behavioral and neuroimaging data and contributing to manuscripts for submission to peer-reviewed journals. We enjoy collaborations with research groups in Houston as well as nationally and internationally. Our laboratory is located within the TIRR Memorial Hermann

Research Center, a 10-minute walk to patient recruitment sites in the Texas Medical Center, 5- minutes from the Center for Advanced Magnetic Resonance Imaging (CAMRI), and a 10- minute walk to the Houston METRO Rail. At CAMRI, we collect quantitative and functional neuroimaging from patients and control participants on a state-of-the art 3T Siemens Prisma scanner.

Required: Previous academic experience in psychology, communication sciences and disorders, linguistics and/or neuroscience, a completed B.A./B.S. (or higher) degree, a strong academic background, and a two-year commitment.

Informal inquiries can be made to Dr. Tatiana Schnur (scanlab@uth.tmc.edu). In addition, please prepare the below materials combined into one document (.doc or .pdf). We will begin reviewing applications March 13.

- a one page cover letter (include why the position is of interest and your career goals)
- resume
- unofficial transcript
- the name and email addresses of two references

University of Texas Health Science Center-Houston is an Equal Opportunity/Affirmative Action/Equal Access Employer.

Contact Information

Contact Website: <https://sites.google.com/site/ttschnur/>

Contact Name: Tatiana Schnur

Contact Email: scanlab@uth.tmc.edu

Research Assistant Position

Research Technician - University of Chicago - Voss Laboratory

Neurology

University of Chicago

We are seeking a full-time Research Technician to support experiments on episodic memory using a variety of methods, including fMRI, intracranial EEG, eye-movement tracking, and TMS. This is not a lab-manager role. The duties are 100% involvement in research, with a focus on training and preparation for graduate school applications. Pay is competitive and the staff benefits at the University of Chicago are excellent. Full job description and application link:

https://uchicago.wd5.myworkdayjobs.com/External/job/Chicago-IL/Research-Technician_JR25286

Contact Information

Contact Website: <https://cnoir.bsd.uchicago.edu/join/>

Contact Name: Joel Voss

Contact Email: joelvoss@uchicago.edu

Research Assistant Position

Postbaccalaureate Research Assistant

Cognitive Neuroscience and Neuroimaging

Department of Psychological and Brain Sciences

The University of Iowa

The Hwang Lab for Neurocognitive Dynamics at the University of Iowa is seeking a full-time, Postbaccalaureate Research Intern to assist our human cognitive neuroscience research projects. Our lab focuses on brain network mechanisms, cognitive control, and developmental processes with a strong emphasis on the human thalamocortical system and neural oscillations. We employ a wide variety of neuroimaging methods, including EEG, TMS, MRI, computational modeling, and lesion studies to address our research questions.

RESPONSIBILITIES

Execute cognitive neuroscience research under the direction of the Principal Investigator and senior lab members.

Perform EEG and behavioral experiments, assist with MRI data collection.

Assist with neuroimaging data analyses.

Recruit and schedule research participants.

Lab management, including other research-related tasks.

MENTORSHIP BENEFITS

This position is ideal for someone ultimately interested in a career in research or in applying to graduate or medical school, for more details see <https://research.uiowa.edu/students/post-baccalaureate-research-internship>. Training and mentoring will be provided. The lab is a member of the newly formed Cognitive Control Collective, affiliated with the DeLTA Center and the Iowa Neuroscience Institute. We offer a collaborative research environment with easy access to research dedicated 3T and 7T MRI systems, TMS, EEG, neurosurgery patients, and a large lesion patient registry.

For more information about the lab, see: <https://kaihwang.github.io/>

Contact Information

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