



Neurobiology
of Language

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Job Postings

Freie Universität Berlin Postdoctoral Researchers

Research Group on Neurobiology of Language and Pragmatics
Department of Philosophy and Humanities, WE4

The ERC Advanced Grant “Material Constraints Enabling Human Cognition (MatCo)” at the Freie Universität Berlin aims to build network models of the human brain that mimic neurocognitive processes involved language, communication and cognition. A main aim is to use network models constrained by neuroanatomical and neurophysiological features to explain aspects of human cognition. To this end, neural network simulations will be performed and evaluated in context of experimental research.

In the context of this research project, the following positions are available from 1.4.2021:

2 full time positions for Scientific Researchers at the postdoctoral level
Fixed-term (36 months), Salary Scale 13 TV-L FU
ID: MatCo01 and MatCo02

The primary task of these researchers will be to build, advance and apply biologically constrained networks for explaining human cognition and language.

2 part time positions (65%) for Scientific Researchers at the predoctoral level
Fixed-term (36 months), Salary Scale 13 TV-L FU, 65%
ID: MatCo03 and MatCo04

These researchers will focus on preparing, performing and evaluating cognitive and neuroscience experiments to evaluate constrained model results empirically.

Job tasks and responsibilities:

- Performing network simulations with biologically constrained network models to explain aspects of human cognitive and language processing.
- Modifying and optimizing these models based on neuroscience data.
- Investigating the biological basis of language and communication with neurocognitive (EEG, ECoG, fMRI) and behavioral experiments.

Requirements:

- Completed university education (Magister or Master) in a relevant field (linguistics, psychology, cognitive neuroscience, medicine)
- For the full time postdoctoral positions, completion of a PhD or MD is required.

Desirable:

- Strong background in cognitive neurocomputation, neuroscience of language, neuroimaging and/or linguistics, in particular semantics/pragmatics
- very good German and English skills

Further information can be found at: www.brainlang.fu-berlin.de/jobs ; in case of further questions please contact friedemann.pulvermuller@fu-berlin.de

The application deadline is 15.02.2021. All applications should be sent by e-mail, as one attached pdf file, to verena.arndt@fu-berlin.de.

By submitting an online application, you as an applicant agree that your data will be electronically processed and stored.

Please note that in the case of unprotected electronic transmission of your application the Freie Universität Berlin can give no guarantee for the security of transmitted personal data.

Basque Center on Cognition, Brain and Language (BCBL) Research Fellow Position

The Basque Center on Cognition Brain and Language (San Sebastián, Basque Country, Spain) offers research fellow positions in seven main broad areas of research:

- [Language development across the life span](#)
- [Speech perception, productions and disorders](#)
- [Reading and dyslexia](#)
- [Multilingualism](#)
- [Neurodegeneration, brain damage and rehabilitation](#)
- [Language and other cognitive systems](#)
- [Advanced methods in cognitive neuroscience](#)

The Center promotes a rich research environment without substantial teaching obligations. It provides access to the most advanced behavioral and neuroimaging techniques, including 3 Tesla MRI, a whole-head MEG system, four ERP labs, a NIRS lab, a baby lab including an eyetracker, two eyetracking labs, and several well-equipped behavioral labs. There are excellent technical support staff and research personnel (PhD and postdoctoral students).

We are looking for cognitive neuroscientists or experimental psychologists with a background in psycholinguistics and/or neighboring cognitive neuroscience areas, computational modelers, and physicists and/or engineers with fMRI/MEG expertise.

These **five year Fellowships** are directed to **promising young researchers**; they are intended to offer a track towards a PI role and independent research. The selected Fellows should be able to acquire the necessary skills for a research leader role. Ikerbasque is committed to offer a long-term career to the research community: Fellows in their 5th year can be assessed for a permanent position.

The applicants must have their PhD completed between 1/1/2010 and 31/12/2018.

Applications from women are especially welcomed. The eligibility period will be extended under special circumstances such as maternity.

Support letter from the host group is mandatory.

To submit your application please follow this link: <https://calls.ikerbasque.net/>

Deadline: 10th March 2021

For further information about the fellowships, please contact the Director of BCBL, Manuel Carreiras (info@bcbl.eu)

Basque Center on Cognition, Brain and Language (BCBL) PhD Student

INFORMATION ABOUT THE POSITION

- **Position:** PhD student
- **Researcher Profile:** First Stage Researcher (R1- up to the point of PhD)
- **Number of vacancies:** 1
- **Project:** HR18-000178 LA CAIXA FOUNDATION "HEALTH RESEARCH"
- **Location:** Spain > Donostia-San Sebastian
- **Research Field:** Neuroscience > Cognition and Language
- **Type of contract/Duration of Contract:** Temporary > 4 years
- **Job Status:** Full-time
- **Hours per week:** 35
- **Starting date:** 02/05/2021
- **Application deadline:** 28/02/2021
- **Information about the project:** The Basque Center on Cognition Brain and Language – BCBL- (Donostia-San Sebastián, Basque Country, Spain) is offering a predoctoral position to work on a funded research project aimed at investigating the functional and structural role of thalamocortical projections on typical and atypical reading (i.e., Dyslexia). This multimodal MRI project capitalizes on the use of behavioral, functional MRI (fMRI), diffusion MRI (dMRI), quantitative MRI (qMRI) and machine learning techniques to provide new insights into how thalamocortical circuits support reading, and how reading disabilities may occur as a consequence of breakdowns in these circuits. The long-term goal of the project is to generate a novel mechanistic account of reading and dyslexia by using a pioneering multimodal neuroimaging approach to investigate (1) how dynamically coordinated thalamocortical and corticocortical networks orchestrate reading; and (2) how dyslexia is characterized by atypical functional connectivity and abnormal structural connections in different brain circuits.

The project is part of a collaborative research effort among several BCBL PIs, including Manuel Carreiras, Kepa Paz-Alonso, Marie Lallier and Cesar Caballero-Gaudes. The PhD student will join the Language and Memory Control group led by Kepa Paz-Alonso.

- **Job description:** The selected candidate will collaborate in running experiments, codify and analyze data, give scientific presentations and write scientific manuscripts.
- **PI and research group:** Dr. Kepa Paz-Alonso - Language and Memory Control

CANDIDATES' PROFILE AND SELECTION CRITERIA

Required skills: A strong methodological and theoretical background in cognitive neuroscience, biomedical engineering, or related fields. A strong level of written and spoken English.

Strong computational skills (Matlab, Python,...)

Desirable skills: Research experience with MRI will be an asset. Possession of a Master degree in cognitive neuroscience, biomedical engineering, experimental psychology or any other related area is highly recommended and will be positively evaluated.

WORKING CONDITIONS

- **Salary:** 17.000 Euros per year (gross salary)
- **Entitlements and other benefits:** <https://www.bcbl.eu/en/join-us/what-is-like-to-work-bcbl>
- **Training opportunities and Career development plan:** Researchers at any stage of their career, regardless of their contractual situation, are given an opportunity for professional development and for improving their employability through access to a Personal Career Development Plan which includes
 1. Training through individually personalized research projects under senior supervision
 2. Exchanging knowledge with the scientific community and the general public
 3. Network-wide training in theory and methods
 4. Complementary training courses
 5. Involvement in proposal writing, task coordination
 6. Development of skills for the organization of training and scientific events

OTHER RELEVANT INFORMATION:

Language policy

- The corporate language at the Center is English but the national language will be an asset for this particular position
- The center provides initial level Spanish and Basque lessons to all the international staff members
- The interview will be conducted entirely in English

APPLICATION PROCESS:

Submission of the application and documentation:

To submit your application, please follow this [link](#): applying for "PhD Paz-Alonso's group (DYSTHAL) 2021" and attach the following documentation:

- A curriculum vitae
- A statement outlining research interests and motivation to apply for the position
- Two letters of recommendation

Application process timetable:

1. **Deadline for application:** 28/02/2021
2. **Evaluation by committee:** 01/03/2021-05/03/2021

3. **Interviews:** 08/03/2021-12/03/2021
4. **Final decision:** 15/03/2021
5. **Feedback to all applicants:** 15/03/2021
6. **Work contract start date:** 02/05/2021

Contact details for enquiries: hr@bcbl.eu

Université de Montréal

Assistant Professor

Assistant Professor in Neurolinguistics
Department of linguistics and translation
Faculté des arts et des sciences

Job description

The Department of linguistics and translation is seeking applications for a full-time tenure-track position at the rank of Assistant Professor. The area of specialization is neurolinguistics, with recognized expertise in the fields of first or second language acquisition or bilingualism.

Responsibilities

The appointed candidate will be expected to teach at all three levels of the curriculum, supervise graduate studies, engage in ongoing research and publication and contribute to the academic life and reputation of the University. This person will also play a leading role in the development of the 'Language and cognition' component of our curriculum and in the establishment of interdisciplinary collaboration with other departments of the Faculty as well as in the preparation of courses offered in the programs of other departments of the institution, notably the B.Sc. in cognitive neuroscience.

Requirements

- PhD in linguistics or related field, with a solid background in fundamental linguistics. Candidates who are still completing their dissertation will also be considered. (Ph.D. candidates who are near completion will also be considered).
- Technical knowledge in at least one field of neuroimaging.
- Excellent publication record in the field.
- Demonstrated ability to provide high-quality university teaching.
- An adequate knowledge of the French written and spoken language or a strong commitment to mastering the proficiency level required, in accordance to [Université de Montréal's Language Policy](#). An institutional learning support program is offered to all professors wishing to learn French or improve their communication skills.

How to submit your application

The application file should contain the following documents:

- A cover letter;
- Application must include in the cover letter one of the following statements: "I am a citizen/permanent resident of Canada." or "I am not a citizen/permanent resident of Canada";
- Your curriculum vitae;
- Recent publications or research papers;
- Your teaching philosophy (maximum one page);
- A presentation of your research program (maximum two pages).

Three letters of recommendation are also to be sent directly to the department chair by the referees.

Application and letters of recommendation must be sent by email no later than February 28, 2021 to the Department Chair:

Mireille Tremblay

Department of linguistics and translation, UdeM

Email: souad.nahro@umontreal.ca

Website: <https://ling-trad.umontreal.ca/accueil/>

Additional information about the position

Reference number: FAS 11-20 / 11

Application deadline: Until February 28, 2021 inclusively

Salary: Université de Montréal offers competitive salaries and a full range of benefits

Starting date: On or after June 1st, 2021

University of South Carolina Postdoctoral Fellow

Postdoctoral Fellow: Cognitive Neuroscience of Semantics. 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, semantic memory, and embodiment of concepts using neuroimaging, brain stimulation, patient studies, lesion-symptom mapping, and computational modeling. Excellent facilities for fMRI, TMS, tDCS, 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/>).

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), 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 a plus. 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 Summer 2021, 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 Pennsylvania State University Postdoctoral Scholar

The Language and Aging Lab at The Pennsylvania State University (<https://sites.psu.edu/mdiazlab/>) invites applications for a Postdoctoral Scholar. Our lab investigates age-related differences in the neural and behavioral bases of semantic and phonological processes, with a focus on language production. Our primary goals are to further our understanding of the neural factors that contribute to age-related retention and decline seen in language; and to investigate the relationships between structural factors, functional activations, and behavior. Our lab is affiliated with the Center for Language Science (<http://cls.psu.edu/>), a vibrant, interdisciplinary community of language researchers with expertise in bilingualism, speech language pathology, psycholinguistics, and cognitive neuroscience. State-of-the-art scanning and data analysis facilities are available and proximally located at the Social, Life, and Engineering Sciences Imaging Center (<http://imaging.psu.edu/>). The ideal candidate would have a background in the cognitive neuroscience of language and/or aging. Experience with fMRI data analysis and/or programming is desirable, but not mandatory. For additional information about the position, please contact the lab director, Michele Diaz, Ph.D., at mtd143@psu.edu. The appointment will be for one year, with a good possibility of additional years. The anticipated start date is summer or fall 2021. Applicants should upload a CV, 2 peer-reviewed publications, and a statement of research interests. Additionally, applicants should arrange for two letters of recommendation to be sent directly to Michele Diaz at mtd143@psu.edu. Review of applications will begin immediately and continue until the position is filled. Candidates must have completed their Ph.D. by the time of appointment. Apply online at <https://psu.jobs/job/93170>. In addition, successful candidates must either have demonstrated a commitment to building an inclusive, equitable, and diverse campus community, or describe one or more ways they would envision doing so, given the opportunity. Penn State is committed to and accountable for advancing diversity, equity, and inclusion in all of its forms. We embrace individual uniqueness, foster a culture of inclusion that supports both broad and specific diversity initiatives, leverage the educational and institutional benefits of diversity, and engage all individuals to help them thrive. We value inclusion as a core strength and an essential element of our public service mission.

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

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

Postdoctoral Position in Education and Developmental Cognitive Neuroscience

Postdoctoral position in behavioral and neuroimaging research of language, literacy, and cognitive development.

Brain Organization for Language and Literacy Development (BOLD) Lab
Applied Psychology and Human Development
Ontario Institute for Studies in Education
University of Toronto

Area of Research: The BOLD Lab at the University of Toronto has an opening for a Postdoctoral Research Associate to contribute to research on child development. We have several ongoing projects using a combination of behavioral and neuroimaging methods to study how children develop and learn in high-risk environments. Specifically, we are looking for an individual who can contribute to two projects: (1) a tech-based literacy intervention program including a neuroimaging study of brain development and reading outcomes, and (2), large-scale RCT aimed at supporting children's developmental and academic outcomes by reducing poverty and improving quality of education, both in Ivory Coast. Both projects involve collaboration with Dr. Amy Ogan at the Human-Computer Interaction Institute at Carnegie Mellon University and Dr. Sharon Wolf at the School of Education at the University of Pennsylvania.

Description of duties: Responsibilities will include the development, collection, and analysis of behavioral and neuroimaging data about language and cognitive development and learning outcomes in the context of educational interventions in school-aged children growing up in rural Ivory Coast. The position is based at the University of Toronto, and the postdoc will have opportunities to go to Ivory Coast over the duration of the position.

Required qualifications: Successful applicants will have a background in several of the following areas: child development, language and literacy acquisition, impact evaluation, recording and analysis of fNIRS or fMRI data, design and analysis of complex behavioral experiments/tasks, longitudinal data analysis, global development (ideally in sub-Saharan Africa). High degree of fluency using R and/or Matlab is required. A Ph.D. in Psychology, Cognitive Science, Education, Linguistics, or Neuroscience is preferred. The ideal candidate will be familiar with working in international contexts (preferably sub-Saharan Africa) and proficient in French.

Application Instructions: Interested candidates should send via email their CV, two representative papers, the names of three references, and a cover letter to Dr. Kaja Jasinska (kaja.jasinska@utoronto.ca).

Contact Information

PI Website: www.haskins.yale.edu/staff/jasinska/

Lab Website: www.oise.utoronto.ca/boldlab/

Contact Name: Kaja Jasinska

Contact Email: kaja.jasinska@utoronto.ca

Position start date: May 1, 2021 (flexible). Applications will be accepted until filled.

Term: The position is for one year, with the option to renew for 1-2 years, given satisfactory performance and available funding.

FTE: The normal hours of work are 40 hours per week for a full-time postdoctoral fellow (pro-rated for those holding a partial appointment) recognizing that the needs of the employee's research and training and the needs of the supervisor's research program may require flexibility in the performance of the employee's duties and hours of work.

Employment as a Postdoctoral Fellow at the University of Toronto is covered by the terms of the CUPE 3902 Unit 5 Collective Agreement.

This job is posted in accordance with the CUPE 3902 Unit 5 Collective Agreement.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

Chapman University **Associate/Full Professor**

Job Title: Assoc/Full Professor and Chair of Communication Sciences and Disorders, Tenured, Fall 2021

Department: Communication Sciences and Disorders

Location: Rinker Campus (Irvine)

Category: Faculty

Status: Full-time

General Information:

Chapman University's Department of Communication Sciences and Disorders (CSD) seeks applications for an experienced Chairperson for the Department of Communication Sciences and Disorders, Crean College of Health and Behavioral Sciences. This is a new tenured faculty position at the rank of Associate or Full Professor beginning Fall 2021.

The CSD department is seeking a leader who is experienced, dynamic, and collaborative; one who will build upon the excellence in research and teaching that currently exists. As a Master's of Science graduate degree program, CSD department has recently been reaccredited by the Council of Academic Accreditation (CAA) and the Commission on Teacher Credentialing (CTC). It is located on the Rinker Health Science campus in Irvine, California, which is home to several graduate health science professional programs, including physical therapy, pharmacy, and physician assistant studies. The CSD department is associated with numerous school districts, private practices, and medical centers that provide services to individuals with communication disorders across the lifespan. This includes two clinics operated by the CSD department: the CSD Adult Learning Lab for adults with neurological communication disorders, and the Scottish Rite Childhood Language Center of Orange County for young children with communication disorders. The diversity of southern California is reflected in the CSD student cohorts, where 40% of students from 2018 to 2020 self-identified as members of racial or ethnic minority communities. For more information about the Communication Sciences and Disorders department visit the CSD website (<https://www.chapman.edu/crean/academic-programs/graduate-programs/ms-communication-sciences-and-disorders/index.aspx>).

The Rinker campus is distinguished by its innovative research laboratories, teaching and learning technology, and emphasis on inter-professional education, evidence-based practice, and health promotion and prevention. The newly established Institute for Interdisciplinary Brain and Behavioral Sciences on the Rinker campus provides opportunity for interdisciplinary research (<https://www.chapman.edu/research/institutes-and-centers/brain-institute/index.aspx>). For more information about the Crean College of Health and Behavioral Sciences, visit the CHBS website (<https://www.chapman.edu/crean/index.aspx>).

Chapman University is a nationally ranked institution offering traditional undergraduate and graduate programs in the heart of Orange County, one of Southern California's most diverse and vibrant regions. The university achieved R2 status in the Carnegie Classification of Institutions of Higher Education, a distinction held by just 10 percent of all U.S. universities. Our faculty include academic leaders who excel in research, publishing and world-class teaching in our 11 schools and colleges, including Crean College of Health and Behavioral Sciences. Dedicated to forward-looking, personalized education, we create an environment for unlimited achievement by both our students and faculty. More information about the university and Crean College of Health and Behavioral Sciences is available at <https://www.chapman.edu/crean>.

The University is dedicated to enhancing diversity and inclusion in all aspects of recruitment and employment. More information on diversity and inclusion at Chapman University is available at <https://www.chapman.edu/diversity>.

Qualifications:

A successful candidate will have the academic and professional qualifications and higher education experience requisite to provide visionary leadership for the CSD program, faculty and students. Examples of this include the following requirements:

- An academic Ph.D. in the field
- ASHA certification in Speech-language pathology with eligibility for California state licensure
- A record of excellence in research and teaching sufficient to be appointed as a tenured associate or full professor
- A record of past and current scholarship that includes funding
- Be able to integrate issues of diversity, equity and inclusion into scholarship and teaching
- Experience with accreditation processes, procedures and reports
- Excellent communication, leadership and advocacy skills that reflect the mission and vision of the CHBS

- Experience in mentoring faculty in funding avenues, research and teaching.

Responsibilities:

Successful candidates for the CSD chair position will demonstrate the ability to balance research, administrative and (limited) teaching responsibilities. They will have a strong line of research, that includes funding to support their scholarship. Teaching loads for faculty is commensurate with that of research institutions; teaching responsibilities of the Chair is further limited to their area(s) of expertise and their administrative responsibilities.

The Chair of CSD is a full-time, twelve-month, tenured faculty position. This individual oversees administrative activities of the department that includes budgeting, purchasing, accreditation and program review, promotion and tenure, graduate admissions, curriculum, hiring and evaluating personnel, marketing and program development. The CSD Chair works closely with the Dean of the College of Health and Behavioral Sciences, and the Chairs of Physical Therapy, Physician Assistant, Marriage and Family Therapy programs to create an interprofessional community of research and teaching.

Contact Information:

Qualified candidates should send electronic copies of an employment application, letter of application, curriculum vitae, teaching and research statement as well as contact information for three references to:

Mary RT Kennedy, PhD., CCC-SLP, Search Committee Chair, C/O Academic Jobs online at <https://academicjobsonline.org/ajo/jobs/18003>

Inquiries: Please direct inquiries to Ms. Christine Dumaual at dumaual@chapman.edu. Please use "CSD Faculty Position" as the email subject line.

Successful completion of a criminal background check is required for the final candidate. Application reviews will begin immediately and will continue until the position is filled. Salary is competitive and will be commensurate with experience. This is subject to final budget approval.

Download a copy of the [Chapman Faculty Application for Employment](#) here.

Chapman University is an equal opportunity employer committed to fostering a diverse and inclusive academic global community. The University is dedicated to enhancing diversity and inclusion in all aspects of recruitment and employment. All qualified applicants will receive consideration for employment without regard to race, color, religion, age, sex, sexual orientation, gender identity, gender expression, national origin, ancestry, citizenship status, physical disability, mental disability, medical condition, military and veteran status, marital status, pregnancy, genetic information or any other characteristic protected by state or federal law. The University is committed to achieving a diverse faculty and staff and encourages members of underrepresented groups to apply.

Chapman University, One University Drive, Orange, CA 92866 Human Resources Department

University of Pennsylvania Research Specialists

The Laboratory for Cognition and Neural Stimulation (LCNS) at the University of Pennsylvania, directed by Branch Coslett, PhD, MD, and Roy Hamilton, PhD, MD, and the Cognitive Neuroengineering and Wellbeing Laboratory at Drexel University, directed by John Medaglia, PhD, are seeking to immediately fill three full-time paid research specialist positions. Each of these positions offers hands-on engagement with state-of-the-art neurobiological research. Two positions in LCNS will be dedicated to characterizing and testing people with acquired language impairments (e.g., primary progressive aphasia and post-stroke aphasia) as they participate in an NIH-funded clinical trial. Interested applicants for the LCNS positions should contact us directly at their earliest convenience, and the job postings will be available online soon. A third position in the Medaglia lab will assist with neuroimaging data analysis (interested applicants can apply via this link: <https://careers.drexel.edu/en-us/job/495029/research-assistant>).

A bachelor's degree is required for these positions. Applicants should have a strong academic background in cognitive psychology/cognitive science, psycholinguistics, linguistics, speech & hearing science, and/or neuroscience, with coursework in statistics and research methods. Preference will be given to applicants with prior research experience and coursework in relevant areas. Other qualifications include:

- Evidence of excellent organizational and communication skills;
- Demonstration of willingness and ability to flexibly learn new techniques in a dynamic environment; and
- Prior experience in a human subjects research setting is strongly preferred

Applications will be accepted until the positions are filled. Positions are available immediately.

Interested applicants should contact Olu Faseyitan at faseyita@penmedicine.upenn.edu.

Frontiers in Aging Neuroscience Call for Research Topic

The call for the Research Topic [Oscillatory Brain Activity as a Marker of Brain Function and Dysfunction in Aging and in Neurodegenerative Disorders](https://www.frontiersin.org/research-topics/18591/oscillatory-brain-activity-as-a-marker-of-brain-function-and-dysfunction-in-aging-and-in-neurodegenerative-disorders) is open and we invite the experts in the field to submit their research in Frontiers in Aging Neuroscience.

About this Research Topic:

The aim of this topic is to gain a deeper understanding of healthy and pathological aging-related oscillatory brain activity. Topics encompassing the neurobiological processes, the timing (onset and offset of slowing), the involvement of specific brain regions and their connections underlying oscillatory brain activity in healthy ageing and neurodegenerative disorders will be considered. The special issue will consider studies involving neurodegenerative disorders that focus on oscillatory brain activity to aid early diagnosis, measure cognitive and functional impairment severity and/or treatment effectiveness. Studies involving healthy aging both as a primary topic-of-interest or as a comparison to evaluate normal vs. abnormal oscillatory activity are also of interest. The neurodegenerative disorders of interest include, but are not limited to, Alzheimer's Disorder, fronto-temporal dementias including Primary Progressive Aphasia, MCI, and Parkinson's disease. The studies are expected to be based on neuroimaging techniques including, but not limited to, electroencephalography (EEG) and magnetoencephalography (MEG). The neuromodulation studies using behavioral interventions and transcranial electrical stimulation (tES) or transcranial magnetic stimulation (TMS) that are within the scope of this topic are also welcome.

In this Research Topic, we welcome the submission of original research, case-studies, reviews, meta-analyses, methodological, and theoretical articles.

Subtopics of interest include:

- Oscillatory activity associated with healthy and pathological ageing and neurodegeneration
- Relationship between spontaneous and task-related oscillatory activity in healthy and pathological aging
- Changes in oscillatory activity associated with asymptomatic, early vs. more advanced cognitive and motor symptoms
- Resting state and task related neural dynamics as early markers of neurodegeneration
- Relationship between oscillatory activity and structural changes (e.g., gray matter and white matter atrophy and disconnection)
- Role of brain oscillations in modulating short and long-range functional connectivity
- Modulation of oscillatory power as a marker of neuronal and/or synaptic loss or dysfunction.
- Changes of oscillatory activity related to intervention in healthy and pathological ageing
- Modulation of oscillatory activity, brain networks and cognitive performance

Key words: brain oscillations, neurodegenerative disorders, ageing, resting-state, connectivity, cognitive performance

Please, visit this website for more information on this Research Topic <https://www.frontiersin.org/research-topics/18591/oscillatory-brain-activity-as-a-marker-of-brain-function-and-dysfunction-in-aging-and-in-neurodegenerative-disorders>

Online Workshop: Bilingual Language Development in Canada March 26, 2021

The Bilingualism & Multilingualism Development (BAM!TO) Lab at the University of Toronto is offering a FREE online workshop on **Friday, March 26th (11-3pm EST)** that will focus on **bilingual language development in Canada**.

The speaker lineup features Dr. Johanne Paradis, Professor at University of Alberta who will be speaking about the bilingual development of Syrian refugee children arriving in Canada; as well as Dr. Stefka Marinova-Todd, Associate Professor at UBC who will discuss bilingualism and autism; and early career researcher Dr. AJ Orena whose work focuses on caregiver speech in French-English homes.

FEATURED TALKS:

Dr. Johanne Paradis, University of Alberta

"The role of concurrent mental health and pre-migration adversity in the bilingual development of Syrian refugee children recently arrived in Canada"

Dr. Stefka H. Marinova-Todd, University of British Columbia

"Bilingualism and Autism: A spectrum of possibilities"

Dr. AJ Orena, University of British Columbia

"What do bilingual babies actually hear? Examining caregiver speech in French-English homes"

Please register for the event here: www.tinyurl.com/bamworkshop

All are welcome to attend online. Link details will be provided following registration.

The Language Neuroscience Podcast

The Language Neuroscience Podcast is a new podcast about the scientific study of language and the brain. Host Stephen Wilson will be talking with leading and up-and-coming researchers about their work and ideas. The podcast is geared to an audience of scientists and future scientists who are interested in the neural substrates of language, from students, to postdocs, to faculty. The first three episodes, available already, feature three outstanding researchers: Ev Fedorenko, Sophie Scott, and Eddie Chang. Many more great conversations to come, and we hope that you will enjoy listening to the show!

Please visit:

<https://langneurosci.org/podcast> or search "language neuroscience" on your favorite podcast app.

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

