SOCIETY FOR THE NEUROBIOLOGY OF LANGUAGE

Newsletter

DECEMBER 2022

Neurobiology of Language - Volume 3, Issue 4 Now Available

We're pleased to announce the publication of Volume 3 Issue 4 of the Neurobiology of Language journal. Among the highlights of this issue is the following paper:

Supramodal Sentence Processing in the Human Brain: fMRI Evidence for the Influence of Syntactic Complexity in More Than 200 Participants
Julia Uddén, Annika Hultén, Jan-Mathijs Schoffelen, Nietzsche Lam, Karin Harbusch, Antal van den Bosch, Gerard Kempen, Karl Magnus Petersson, Peter Hagoort
Neurobiology of Language (2022) 3 (4): 575–598.

Neurobiology of Language

How many subjects constitute a study? An obscure paper from Karl Friston in 1999 proposed that a surprisingly small number of participants might be sufficient to judge the intimate tattoos of a typical member of a Cambridge college. Yet, determining which brain regions support sentence comprehension in an average human brain may require many more participants. This is particularly true if we wish to generalise over sentence length, presentation modality or syntactic structure.

This paper presents analysis of fMRI data from an exceptionally large sample of participants engaged in visual and auditory sentence comprehension led by Julia Udden (now at Stockholm University), and Peter Hagoort the 2021 recipient of the SNL Distinguished Career Award. Working with a team of researchers at the Max Planck and Donders Institutes in Nijmegen, the Netherlands, they scanned over 200 native Dutch participants listening to and reading sentences with a range of syntactic structures. A parametric analysis showed a left-lateralised fronto-temporal network was activated during sentence processing irrespective of modality and that left inferior frontal and posterior middle temporal regions showed activity modulated by the degree of left-branching syntactic complexity. The Neurobiology of Language is

now in the 'big data' era and this paper provides a clear illustration of the benefits of going large.

You can find out more by reading the paper, or accessing this open dataset, here: https://doi.org/10.1162/nol_a_00076

You can read other papers from volume 3 issue 4 of the Neurobiology of Language, here:https://direct.mit.edu/nol/issue/3/4

Left Frontal White Matter Links to Rhythm Processing Relevant to Speech Production in Apraxia of Speech
Rose Bruffaerts, Jolien Schaeverbeke, Ahmed Radwan, Manon Grube, Silvy Gabel, An-Sofie De Weer, Eva Dries, Karen Van Bouwel, Timothy D. Griffiths, Stefan Sunaert, Rik Vandenberghe
Neurobiology of Language (2022) 3 (4): 515–537.

Hierarchy, Not Lexical Regularity, Modulates Low-Frequency Neural Synchrony During Language Comprehension
Chia-Wen Lo, Tzu-Yun Tung, Alan Hezao Ke, Jonathan R. Brennan
Neurobiology of Language (2022) 3 (4): 538–555.

Can You Hear What's Coming? Failure to Replicate ERP Evidence for Phonological Prediction
Victoria R. Poulton, Mante S. Nieuwland
Neurobiology of Language (2022) 3 (4): 556–574.

Event-Related Potential Correlates of Learning to Produce Novel Foreign Phonemes
Henry Railo, Anni Varjonen, Minna Lehtonen, Pilleriin Sikka
Neurobiology of Language (2022) 3 (4): 599–614.

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

Neurobiology of Language

Job Postings and Announcements

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

Job Postings

Research Assistant Professor or Post-Doctoral Fellow

Open Position in Bilingualism at Northwestern University

The Northwestern Bilingualism and Psycholinguistics Research Laboratory under the leadership of Professor Viorica Marian is accepting applications for an open position at the level of Research Assistant Professor or Post-Doctoral Fellow focusing on research on bilingualism and the consequences of knowing multiple languages for linguistic, cognitive, neural, and developmental processes.

Requirements include:

1. a PhD in Communication Sciences and Disorders, Psychology, Linguistics, Neuroscience, Cognitive Science, or a related field;
2. experience conducting research with linguistically diverse populations (e.g., bilinguals, multilinguals, second or third language learners) in areas including, but not limited to, linguistic and cognitive processing, audio-visual interaction, neural function, language development and learning, language and memory, language and creativity, language and decision making;
3. strong writing skills;
4. solid quantitative skills (multivariate statistics);
5. ability to think critically and broadly;
6. ability to work well both independently and with others;
7. excellent organizational and time management skills.

Preference will be given to candidates who have experience with (one or more, specify which):
eye-tracking;
mouse-tacking;
computational modeling;
MATLAB and/or R;
EEG;
fMRI.

Post-Doctoral Fellow Position: Applicants must have 0 to 3 years of postdoctoral experience and a record of publishing in high-quality peer-reviewed journals.

Research Assistant Professor Position: Applicants must have 3 or more years of postdoctoral training, experience applying for external funding, and a strong publication record in high-quality peer-reviewed journals.

Application deadline: January 23, 2023.
To apply, candidates should email a Curriculum Vitae, a research statement, two sample publications, and the contact information of three referees to bilingualismlabnu@gmail.com. Finalists will be asked to submit three letters of recommendation.

Start date: Flexible during the 2023 calendar year. Salary consistent with the NIH pay scale. Initial appointment is for one year, with the possibility of renewal for up to five years contingent on performance and continued availability of funding.

The University: Northwestern University is one of the nation's largest private research universities. Located on the shore of Lake Michigan, the main campus is in Evanston and the medical campus is 12 miles south in downtown Chicago. There is continuing expansion of University facilities and programs, particularly in the sciences and medicine. Diverse cultural, social, and recreational activities abound on and near each campus.

Northwestern requires all staff and faculty to be vaccinated against COVID-19, subject to limited exceptions. For more information, please visit our COVID-19 and Campus Updates website.

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, racial

and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Click for information on EEO is the Law.

Research Assistant position in the Brain Rhythms and Cognition Group at the BCBL- Basque Center on Cognition Brain and Language (San Sebastián, Basque Country, Spain) www.bcbl.eu

INFORMATION ABOUT THE POSITION

- Position: Research Assistant
- Number of vacancies: 1
- Project: CLOSING THE LOOP BETWEEN THE BRAIN AND REAL LIFE
- Location: Spain > San Sebastian
- Research Field: Neuroscience > Cognition and Language
- Type of contract/Duration of Contract: 30/11/2024
- Hours per week: 35
- Starting date: 01/02/2023
- Application deadline: 23/12/2023

Information about the project: This project focuses on the development of a close-loop EEG system to improve language comprehension in the general population and in people with learning disabilities, i.e dyslexic readers. The system will be able to measure the alignment between EEG and speech signals, what we call Cortical Tracking of Speech (CTS). Previous studies in our group showed that the CTS is an indicator of the linguistic abilities of individuals. The system includes algorithms that constantly and automatically analyze the EEG signal to detect changes in the CTS pattern in order to realign brain activity with that of the linguistic signal. The proposal is very novel, since currently there are no systems available to improve linguistic competence based on a direct and non-invasive intervention on a brain index. In addition, it is intended to develop a prototype of portable EEG acquisition equipment (sensors and amplifier). Finally, the evaluation of the procedure in children, adults and the elderly, as well as in dyslexics.

Job description:
We are looking for a technical profile with an interest in research and neuroscience. We are looking for an engineer (i.e, Telecommunications or bioengineering) with programming skills (matlab or python) that will help us developing and implementing the close-loop system. You will assemble the close-loop system and develop the algorithms to calculate the CTS online. You will also collect EEG data in the lab to test whether or not the system improves linguistic abilities. You will learn to analyze EEG data and to write research papers.

PI and research group: Mikel Lizarazu and Nicola Molinaro (Brain rhythms and Cognition group)

CANDIDATES' PROFILE AND SELECTION CRITERIA

Required skills: Programming skills (Python or Matlab), Interest in Neuroscience research
Desirable skills: Master in Neuroscience/Biology

WORKING CONDITIONS

Salary: 15.000-17.000€ gross/year
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
BCBL seeks to foster an **environment** where all talents can flourish, regardless of gender, age, cultural background, nationality or impairments. If you have any questions relating to accessibility or support contact us.

OTHER RELEVANT INFORMATION:

Language policy

- The corporative 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 **"RA_Close-Loop"** 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:
Deadline for application: 23/12/2022
Evaluation by committee: 23/12/2022-10/01/2023
Interviews: 16/01/2023-24/01/2023
Final decision: 26/01/2023
Feedback to all applicants: 26/01/2023-27/01/2023
Work contract start date: 01/02/2023
Contact details for enquiries: hr@bcbl.eu

FUNDED PHD CANDIDATE POSITIONS AT THE BCBL BASQUE CENTER ON COGNITION BRAIN AND LANGUAGE (SAN SEBASTIÁN, BASQUE COUNTRY, SPAIN), www.bcbl.eu

The Basque Center on Cognition Brain and Language (San Sebastián, Basque Country, Spain) offers funded 5 PhD candidate positions:

- FUNDED Ph.D. CANDIDATE POSITION – CONSCIOUSNESS Group
- FUNDED Ph.D. CANDIDATE POSITION – NEUROBIOLOGY OF LANGUAGE Group
- FUNDED Ph.D. CANDIDATE POSITION – COMPUTATIONAL NEUROSCIENCE Group
- FUNDED Ph.D. CANDIDATE POSITION – SPEECH AND BILINGUALISM Group
- FUNDED Ph.D. CANDIDATE POSITION – SIGNAL PROCESSING IN NEUROIMAGING GROUP

INFORMATION ABOUT THE POSITIONS IN https://www.bcbl.eu/en/join-us/job-offers

Two Full-Time Positions Available:
Study Coordinator/Lab Manager + EEG Research Assistant
Florida International University

Study Coordinator/Lab Manager at Florida International University
The Neural Dynamics of Control Laboratory (www.NDCLab.com) with the Center for Children and Families at Florida International University seeks a full-time study coordinator/lab manager with administrative/executive assistant skills. Location for the position is flexible: either on-site in Miami, FL or fully remote. This individual will support and manage a multi-year NIMH R01 grant, including: participant recruitment and scheduling; managing IRB amendments; and drafting and revising study protocols. In addition, the role will be responsible for managing the lab's day-to-day operations. Full ad here: https://bit.ly/ndcprojcoord

EEG Research Assistant at Florida International University
The Neural Dynamics of Control Laboratory (www.NDCLab.com) with the Center for Children and Families at Florida International University seeks a full-time research assistant in Miami, FL. This individual will support a multi-year NIMH R01 grant that seeks to understand the longitudinal relations among the brain, behavior, and the emergence of social anxiety during adolescence. The role involves participant recruitment and EEG data collection. Full ad here: https://bit.ly/ndcra2022

2023 Call for Applications to PhD Program
International Doctorate for Experimental Approaches to Language And Brain (IDEALAB)

The 2023 application round for the PhD Program *International Doctorate for Experimental Approaches to Language And Brain* (IDEALAB) is now open!
The program is looking for highly motivated, outstanding candidates with a background in Speech and Language Pathology, Psycho- or Neurolinguistics, Clinical Linguistics, or other language-related fields.
IDEALAB offers an outstanding laboratory-based 3-year doctoral training to study structure, processing and foundations of human language, integrating interdisciplinary approaches. Candidates conduct original and independent research on experimental and clinical aspects of language and the brain. Throughout their candidature, candidates of this international PhD program are based in at least two of the four participating universities (Universities of Potsdam (GER), Groningen (NL), Newcastle (UK) and Macquarie University (AUS)). A joint curriculum and a common research training program, including summer and winter schools, cumulate in a joint degree.

Application deadline: 31st of January 2023, 23:59pm CET
Starting dates: September 2023 – January 2024
Duration: 3 years
More information on the program and the application process: https://phd-idealab.com/

Postdoctoral Fellow positions
PI: Kyrana Tsapkini, PhD
Department of Neurology
Johns Hopkins School of Medicine
Baltimore, MD, USA

The laboratory of Neuromodulation of Language in Neurodegenerative Disorders at

the Department of Neurology of Johns Hopkins Medicine is looking for Postdoctoral Fellows for (2) NIH-funded trials, including a multisite clinical trial between Johns Hopkins University, UPenn and University of Toronto. The projects are generally devoted to the study of neuroplasticity of language in neurodegenerative conditions such as primary progressive aphasia (PPA), fronto-temporal dementia (FTD) and Alzheimer's Disease (AD). We use behavioral and neuromodulation intervention methods (e.g., transcranial electrical stimulation, tES) and we aim to understand their effectiveness and the brain mechanisms they involve using structural MRI, resting-state fMRI, DTI, perfusion and MR Spectroscopy.

The ideal candidate should have, or will soon have, a doctoral degree in a relevant scientific discipline such as speech-language pathology, neuropsychology, neurolinguistics, neuroscience, biomedical engineering or related field. The Postdoctoral Fellow will have the opportunity to perform behavioral and tES and other neuromodulatory interventions in participants with PPA and FTD or AD, analyze the data, present their research at conferences, and write papers. The successful candidate will also assist with grant preparation and IRB protocols. Prior experience with people with PPA and/or neuroimaging research are strongly preferred. Special preference will be given to knowledge of EEG analysis and machine learning methodologies. Programming experience and computational skills with Matlab, Python or R are highly desirable. The successful applicant should be highly motivated, organized, personable, willing to learn, responsible, reliable, and efficient. The successful applicant will also work collaboratively with students, other post-doctoral scientists and other faculty members of the Johns Hopkins community and other universities.

These are full-time, one-year (renewable) positions, preferably with a two-year commitment and can start as early as January 2023. For further information, interested candidates should email a CV, writing sample, and contact information for 3 references to Dr. Tsapkini at tsapkini@jhmi.edu. Johns Hopkins University is an Affirmative Action/Equal Opportunity employer.

Director, Center for Brain, Biology, and Behavior
University of Nebraska-Lincoln

The University of Nebraska-Lincoln (UNL) seeks a new Director to lead the Center for Brain, Biology and Behavior (CB3), an interdisciplinary, University-wide research center that engages a broad spectrum of investigators working in the areas of neuroscience, behavior and health. Nebraska seeks a leader with a nationally recognized research program, who can harness the potential of CB3 through visionary integration across research groups in the Center, and by leveraging unique physical facilities and opportunities for research growth.

Much of the research conducted across CB3 research teams aligns with at least one of three areas of scientific emphasis: biological and psychological mechanisms of behavior and well-being; brain development and change throughout the lifespan; and neurological disease, disorder, injury, and subsequent recovery, including current labs actively studying sports-related concussion, stroke, and swallowing and communication disorders. CB3 is housed within 30,000 square feet of research space in Memorial Stadium on the UNL City Campus. Due to proximity, this location affords a unique collaboration with Nebraska Athletics, including Athletic Medicine and the Nebraska Athletic Performance Laboratory. The facility's centerpiece is a Skyra 3 Tesla Siemens scanner equipped with an MR-compatible 256-electrode high-density EEG system, an eye tracker, and psychophysiology equipment. The Center also features several specialized laboratories for NIRS, behavioral genetics, GALILEO somatosensory and motor control, neuromagnetics, eye tracking, psychophysiology, high-density EEG/ERP, and salivary bioscience. Partnership with the University of Nebraska Medical Center affords access to additional equipment, such as MEG, to populations with a large variety of neurological diseases, and to registries yielding access to electronic medical databases.

Reporting to the UNL Vice Chancellor for Research and Economic Development, the Director will lead the development and expansion of the Center vision and strategically shape its growth. The Director will capitalize on the outstanding Center faculty and facilities, while displaying the vision, energy, commitment, and organizational/administrative skills to take the Center to the next level. The Director will work collaboratively with colleges, academic departments, research centers, and other partners across UNL, as well as with the other University of Nebraska campuses, to advance research in neuroscience and behavior across multiple disciplines. The Director will build large-scale interdisciplinary teams to pursue extramural research funding, as well as developing additional sources of funding from public and private sources. The Director will create and sustain an inclusive and equitable environment in which faculty, staff and students can excel and grow professionally and personally, and advance Center initiatives in diversity, equity, and inclusion. The Director will provide administrative and budgetary oversight for CB3.

In addition to leading the Center, responsibilities include maintaining an active program of externally funded research. Opportunities to teach in the tenure home department can also be pursued. The UNL tenure home of the successful applicant will depend upon candidate interest and background. Rank for this position is Associate to Full Professor. Faculty affiliation with the University of Nebraska Medical Center is possible.

Qualifications

To be considered, candidates must possess the following qualifications:
Ph.D. or M.D. or equivalent in neuroscience or related discipline, or in another field with significant experience conducting neuroscience research.
Established and visible research program with a track record of external grant funding.
A track record of advancing equity, inclusion, and diversity.
Excellent interpersonal and communication skills with demonstrated ability to develop and maintain constructive and professional relationships with a variety of stakeholders.

The following qualifications are preferred:
Leadership experience in an organization that seeks and receives research grant funding.
Experience leading interdisciplinary teams, including evidence of thinking broadly and developing research and programmatic activities that engage experts across disciplines.
Documented experience mentoring early career faculty.
Experience proposing and receiving funding from a variety of external sponsors (e.g., federal agencies, state agencies, industry, philanthropy, foundations).
Expertise in a broad range of human subjects research in neuroscience and behavior.
Experience overseeing a shared/core research facility.
Documented experience with outreach that can be leveraged to publicize and promote Center efforts and findings.

A comprehensive description of the Director position can be found at https://go.unl.edu/cb3director.

To ensure full consideration, applications should be submitted by January 9, 2023; review will begin January 10, 2023. The search committee will continue to receive applications until the position is filled.

Applicants should go to https://employment.unl.edu requisition F_220206. Click "Apply for this Job," complete the information form, and attach the following documents: a) a letter of interest that highlights your qualifications for the position, explains your interest and motivation, and describes your initial vision and anticipated contributions leading CB3; b) a research statement that describes your program of research and future directions; c) a statement of your approach to and experience with advancing equity, inclusion, and diversity, as well as your anticipated contributions to creating inclusive environments in which every person and every

interaction matters (2 pages maximum); d) a detailed curriculum vitae; and e) the names of 3-5 professional references. References will be requested only of candidates who make the short list. Please combine the statements (items b and c) into a single document for upload.

Questions can be directed to:

Dr. Jen Nelson, Search Committee Chair
Assistant Vice Chancellor for Research
jnelson18@unl.edu
402-472-0321

UNL offers an attractive compensation and benefits package, commensurate with the successful candidate's background and experience.

The University of Nebraska is committed to creating a diverse and inclusive work and learning environment free from discrimination and harassment. UNL is dedicated to creating an environment where everyone feels valued, respected, and included.

As an EO/AA employer, the University of Nebraska considers qualified applicants for employment without regard to race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation. See https://www.unl.edu/equity/notice-nondiscrimination.

Postdoc Position at Johns Hopkins University

The Department of Physical Medicine and Rehabilitation at Johns Hopkins University School Of Medicine is inviting applicants for an NIH-funded post-doctoral fellow position in post-stroke aphasia treatment using cerebellar neuromodulation (PI: Rajani Sebastian, PhD, CCC-SLP). Dr. Sebastian's research is focused on developing innovative and effective treatment for speech and language deficits in individuals with neurological disorders including stroke, neurodegenerative cerebellar ataxias, and primary progressive aphasia . The position would provide an opportunity to work with an outstanding and diverse group of collaborators across departments in the School of Medicine (Physical Medicine and Rehabilitation, Neurology, Otolaryngology, and Radiology), Biostatistics at Bloomberg School of Public Health, and the Kirby Functional Imaging Center. There are outstanding resources available and an environment that supports leadership in innovation, scientific integrity, and intellectual curiosity.

Candidates with a PhD in the field of speech-language pathology or cognitive neuroscience are welcome to apply. Salary will be commensurate with training and experience. The post-doctoral fellow will be involved in coordinating research activities, data acquisition and analysis of behavioral, tDCS, and fMRI data and will contribute to several projects in the lab and will collaborate on writing of manuscripts, grant proposals and conference presentations. Experience with aphasia treatment and fMRI data collection and analysis are preferred. The post-doctoral position would require a commitment of two years but could be extended for a longer period. For further information, contact Rajani Sebastian at rsebast3@jhmi.edu.The start date is flexible.

Postdoctoral Research Fellow
The benefits of regular physical exercise for language, cognition and brain health in ageing (full-time, 1 year)

Applications are invited for a full-time Research Fellow position (start date May 1st 2023, end date April 30th 2024) to work at the Centre for Human Brain Health, University of Birmingham, UK (Grade 7.29). The successful candidate will join a team of researchers studying the benefits of regular physical exercise for language, cognition and brain health in ageing. This will be done under direct supervision of Dr. Katrien Segaert (PI) and Dr. Sam Lucas (co-I), and in collaboration with researchers at the University of Agder (Norway). The project is funded by the Norwegian Research Council.

The project entails a randomized-controlled exercise intervention to investigate how exercise benefits grey matter brain structure (MRI), baseline cerebral blood flow (ASL), brain function (fMRI: tip-of-the-tongue task), cognitive performance (several language production/comprehension tasks, switching, ANT, working memory, processing speed).

While data-collection for the project has recently been concluded, we are looking for a motivated research fellow with strong (f)MRI data-analysis skills and an interest in ageing and language to join our team. Main responsibilities will be to: conduct data-analyses, prepare manuscripts, contribute to multiple high quality publications as lead author and as co-author, and present research findings at conferences.

The candidate will take part in supervision of research assistants and students, and will be an active member of the Centre for Human Brain Health, the School of Psychology and the School of Sport, Exercise and Rehabilitation Sciences at the University of Birmingham.

To apply, please upload a cover letter and CV by January 31st 2023 (through the UoB job portal, where the job advert will be live after Dec 22nd 2022).

We will interview in two stages. Stage 1: Shortlisted candidates will be interviewed online (expected February 2023). Stage 2: If successful in stage 1, candidates will be invited for a formal interview in person or online (expected end of Feb 2023).

Further information (including a link to the application portal once it has gone live) – contact Dr. Katrien Segaert: k.segaert@bham.ac.uk

Other

Master in Cognitive Neuroscience of Language – BCBL
Basque Center on Cognition, Brain and Language

The Master's program aims to provide specialized, comprehensive and rigorous training in the Cognitive Neuroscience of Language. The Master's program includes core courses (theoretical and methodological), advanced elective courses, and a research-based project at the end of the program. Students learn from the world-class scientists at the Basque Center on Cognition, Brain, and Language.
The Master's program is aimed at university graduates with various degrees who are interested in the Cognitive Neuroscience of Language, including previous training in psychology or linguistics, as well as language-oriented training in cognitive science, computer science, or mathematics. The duration of the program is one academic year with 60 ECTS credits. Students will develop research skills through the mentorship of experts and by completing a Master's Research Project at the end of the program. The language of instruction is English. Selecting the appropriate Masters program is the best way to start a successful research career, and in fact, several of our current PhD students began their research careers in our Master's program.
In the 12 years that we have been running our Master's program, graduates have gone on to PhD programs in places such as New York University, the Donders Center at Radboud University, UC San Diego, the Max Planck Institute for Psycholinguistics, Michigan State University, the University of Bielefeld, and our own PhD program at BCBL.
For more information about the master's program, visit https://www.bcbl.eu/en/study-with-us/master-cognitive-neuroscience-language

For more information about the BCBL, visit www.bcbl.eu
Application Process
Details of application requirements can be found at: https://www.bcbl.eu/en/study-with-us/master-cognitive-neuroscience-language

Application Period

All applications sent to mailto:mastercnl@bcbl.eu until 31 March will be considered. From then onwards, only candidates who preregister through the platform of the University of the Basque Country (UPV/EHU) will be evaluated.
When the university preregistration period opens, it is necessary to choose our master's degree as the first option.
https://www.ehu.eus/en/web/masterrak-eta-graduondokoak/university-masters-degrees/pre-enrolment-and-admission
The BCBL Evaluation Committee will forward via e-mail the provisional result to each candidate evaluated until the end of the preregistration period. Once it has been verified that each candidate meets all the criteria established by the university, this institution must validate the result. Graduated students will have preference.
You can find more information here: https://www.ehu.eus/en/web/master/master-cognitive-neuroscience-language/registration

APPLICATION COMPONENTS

to be sent by e-mail to mastercnl@bcbl.eu:

- Scanned ID (Spanish and European applicants) or Passport (international applicants)
- Degree certificate
- Transcripts of records
- Résumé (CV)
- Letters of recommendation:
- Either letters from two different Professors, or
    - One letter from a Full Professor (you may also include a letter from a second Professor if you use this option, but it is not required)
    - 1essay stating your research interests (1 page maximum, .pdf format)
- Certificate of English level is mandatory for applicants who attended a non-English-speaking undergraduate university

THE SEVENTH LEARNING AND PLASTICITY MEETING
Äkäslompolo, Finland
April 2-5, 2023

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

- The special theme of the LaP 2023 meeting is **Language learning, recovery, and treatment**. However, most of the program will consist of free papers reflecting the broad spectrum of learning and plasticity research

- The LaP 2023 keynote speaker is Professor **Matt Lambon-Ralph** (University of Cambridge)

- **Five confirmed symposia**: Plasticity in the recovery from aphasia; Going beyond the classic left-hemispheric language functions: Music, singing and bilaterality in aphasia rehabilitation; Aphasia research in 2023 – Translational research, evidence from clinical trials and pandemic challenges; Children's speech and language development in Finnish cohort studies; Bilingualism and acquired disorders: language recovery, treatment, and control

- Informal atmosphere and small size (maximum 60 participants) help to connect

participants and promote discussion

- **Abstract submission deadline January 15, 2023**
- National regulations concerning the COVID-19 pandemic will be followed closely throughout the preparations and the meeting itself
- Excellent possibilities for winter sports and other outdoor activities
- Despite of its location way above the Polar Circle, the congress site is easy to reach by train or by flight

For more information, abstract submission and registration, see the meeting website at https://lapmeeting.fi/

Hope to see you at the Heart of Finnish Lapland in Spring 2023!

FOLLOW US ON SOCIAL MEDIA

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

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