



1x PhD Studentship



Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

Project title: “Investigating linguistic abstraction in multivariate neural data”

PI: Giovanni Di Liberto, Assistant Professor, School of Computer Science and Statistics, TCD

Applications are invited for a fully-funded 4-year PhD student position in the Di Liberto-lab at Trinity College Dublin (TCD), Ireland. The project aims to better understand how the human brain transforms complex auditory sounds (e.g., speech and music) into abstract concepts. This work will be conducted with a preferred focus on human speech communication and methodologies that are partly theory-driven (e.g., from computational linguistics) and partly data-driven (e.g., electroencephalography). The details of the research project will be defined together with the successful candidate to make this the most interesting for both the student and the lab. The successful applicant will be based in the School of Computer Science and Statistics. Please contact me for further details on the studentship and the research project. See the lab website (diliberg.net) for information on the PI and his research work and direction.

I am looking for candidates with:

- Strong computational and signal processing skills
- Strong interest in studying cognition and the human brain and, ideally, a background in cognitive science, neural engineering, or similar area
- (Ideally) Prior experience with speech sound processing
- (Ideally) Expertise in machine learning

Interested candidates should submit a CV and a brief cover letter to the PI (diliberg@tcd.ie), explaining in about 100-200 words their motivation in applying for this position. Please mention if you have particular research questions that you would like to pursue.

The position is available until filled. Funding is available for EU-candidates only; however, I welcome expressions of interest with no geographical restrictions. The exact start-date will be defined according to the college academic year calendar (preferably the 1st September 2021).

I also welcome expressions of interest from students interested in applying for external funding (e.g., PhD Scholarships) to join the lab next year (please contact me at diliberg@tcd.ie with subject starting with “[Expression of interest]”). Please note that the submission deadline for some PhD Scholarship applications is often up to 1 year before the proposed start date.