

PhD position (f/m/d)

CRC 1252 - Prominence in Language

The University of Cologne is one of the largest and most research-intensive universities in Germany, offering a wide range of subjects. With its six faculties and its interfaculty centres, it offers a broad spectrum of scientific disciplines and internationally outstanding profile areas, supported by the administration with its services.

The Collaborative Research Centre (CRC) 1252 on "Prominence in Language" investigates prominence with respect to prosody, morphosyntax and semantics as well as discourse structure in a large variety of languages from more than a dozen major language families and linguistic areas world-wide. It uses different experimental techniques in the area of communication and cognition. All members take full benefit of the Center's joint research and training facilities. Within the framework of the CRC 1252, the project A04 "Dynamic modelling of prosodic prominence" searches for a doctoral candidate. The project uses a 3D Electromagnetic Articulograph (3D-EMA twin system) and acoustic recordings to develop a multidimensional dynamical model of prosodic prominence.

YOUR TASKS

- » designing, conducting and evaluating articulographic and acoustic experiments (EMA twin system to record dialogues)
- » statistical modeling of experimental data
- » Modeling of speech data in a dynamical framework (task dynamics)
- » collaborating with project scientists in the project and the CRC
- » presenting the results of the work in international conferences and publications

YOUR PROFILE

- » you have a Master degree in a linguistics, phonetics, cognitive science, computer science or a related field
- » you have experience with acoustic and/or articulatory data analysis
- » you are highly proficient in English (proficiency in German is an advantage)
- » you have basic programming skills (e.g., R, Python, MATLAB) and the motivation to strengthen your skills in the first few months of the contract
- » you have experience with statistical data analysis
- » you are interested in research experience on an international level

WE OFFER YOU

- » an exciting, interactive and supportive research environment
- » continuous training in the field of speech production and dynamical modeling of speech data
- » a diverse and fair working environment
- » support in reconciling work and family life
- » flexible working time models
- » extensive advanced training opportunities
- » occupational health management offers
- » local transport ticket at a discount for UoC employees
- » opportunity for remote work

The positions are available from 01.07.2022 on a part-time basis with 25,89 working hours. The position is to be filled for a fixed term until 30.06.2025. If the necessary prerequisites required by tariff regulations as well as the sought-after personal qualifications are met, the salary will correspond to the pay grade 13 as specified in the States' Tariff Agreement (TV-L).

The University of Cologne is committed to equal opportunities and diversity. Women are especially encouraged to apply and will be considered preferentially in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from people with disabilities / special needs or of equal status.

Please send your convincing application with proof of the sought qualifications by email (in one pdf-file) with the reference number Wiss2204-16 to doris.muecke@uni-koeln.de. The application deadline is 22.05.2022.

If you have any questions, please contact Doris Mücke (doris.muecke@uni-koeln.de).