Study: Auditory processing in speech production

The act of naming a picture recruits numerous cognitive processes, starting from visual perception, to concept recognition, then the selection of the lexical representation followed by motoric articulation of the spoken item (Indefrey & Levelt, 2004). When it comes to phonological processes in lexical selection, there has been a great deal of contradictory results that have been theorized to be the result of either psychotypological differences between languages being tested (e.g., Vitevitch & Stamer, 2006), methodological aspects of the analyses (Sadat et al., 2014), or the age of the participants (e.g., Gordon & Kurczek, 2014). The current study will investigate the role of auditory processing through the use of three behavioral experiments that will control for levels of audition.

Planned experimental parameters

- Speech production experiments (experiment duration: ~40min)
- ± 30 participants per experiment (+- 90)

Your master thesis would include

- Stimuli creation, Recruitment of participants, Data acquisition, and Data analysis.

Your application

- Master student in Psychology or Cognitive Sciences; Fluent in German and English;
- Overall an autonomous and highly motivated working attitude is essential;
- Interest in psycholinguistics a plus
- Students with knowledge of statistical programming in R are highly encouraged to apply!

Supervisor: Univ.-Prof. Claus Lamm, Karl Neergaard (visiting scholar from the Hong Kong Polytechnic University)

Please send your application to karl.neergaard@connect.polyu.hk

Application should include: CV, letter of motivation and a short project description which includes the important literature concerning this topic and potential questions and/or ideas you have regarding this topic.
Please note: there are also internship positions available for this project!

References