

Katarína Labancová

email: katarina.labancova@unige.ch

Education:

- MAY 2024 – **PhD Candidate in Neuroscience**
PRESENT *University of Geneva, Geneva, CH*
Supervision: Prof. Nina Kazanina
- SEP 2021 – **MSc Cognitive Neuroscience**
AUG 2023 *Radboud University, Nijmegen, NL*
Language & Communication track, cum laude
- SEP 2018 – **BSc in Liberal Arts & Sciences**
JUN 2021 *University College Utrecht, Utrecht University, Utrecht, NL*
Major in Cognitive Neuroscience & Chemistry, cum laude
- SEP 2014 – **Maturita high school diploma**
JUN 2018 *Ján Hollý Gymnasium, Trnava, SK*

Experience:

- SEP 2022 – **Thesis internship, Roshan Cools lab**
AUG 2023 *Donders Institute for Brain, Cognition & Behaviour, Nijmegen, NL*
Thesis project: *Dopaminergic mechanisms of inference in meaning generation*, supervision: Elena Mainetto & Prof. Dr. Roshan Cools
 - data collection and analysis of both behavioural and fMRI data, multi-session pharmacofMRI paradigm, construction of an analysis pipeline, results evaluation and presentation
- MAY 2022 – **Research assistantship, Hanneke den Ouden lab**
JUN 2022 *Donders Institute for Brain, Cognition & Behaviour, Nijmegen, NL*
Project: *Role of the average reward rate in the environment on cognitive effort expenditure*, supervision: Floortje Spronkers
 - behavioural data collection
- NOV 2021 – **Teacher's assistantship**
present *Radboud University, Nijmegen, NL*
Course: Brain & Cognition I
 - workgroup teacher, in depth explanation of concepts covered in main lectures, topics ranging from neuroanatomy and physiology to high cognitive functions
 - individual student-oriented approach, advised students on project proposal assignments, gave feedback, graded weekly assignments

- SEP 2018 – **Thesis internship**
JUN 2021 *Utrecht University Institute for Language Sciences, Utrecht, NL*
- Thesis project:** *Role of entropy in rule-induction in non-adjacent dependency learning*, supervision: Prof. Dr. Sergey Avrutin
- expanded a model of language learning with respect to other cognitive faculties
 - consolidated the model with cross-modal evidence of attention effects on information processing
 - provided testable predictions
- SEP 2017 – **English as a second language lector**
AUG 2018 *BiLingvi language school, Bratislava, SK*
- Children and early life education**
- taught children aged 2 to 6 years old English, up to the level of sentence formation and basic conversation skills with lexicon of 80+ words
 - led interactive classes and used a variety of methods and approaches in both individual and group classes
- FEB 2015 – **Editor-in-Chief**
JUN 2016 *Starý Blesk Magazine, Trnava, SK*
- edited, designed, and published a student-run newspaper biannually
 - wrote essays, articles, editorials and reportages, supported by a .týždeň magazine journalism internship

Presentations:

Labancová, K. & Kazanina, N. (September 2025). *Neural mechanisms of information integration and compression during online language comprehension* [Poster Presentation]. Lemanic Neuroscience Doctoral School retreat, Geneva, Switzerland

Labancová, K., Mainetto, E., Zheng, X., den Ouden, H. & Cools, R. (April, 2023). *Unexplainableish: Neural mechanisms of structural inference* [Poster Presentation]. Synapsium 2023, Radboud University student conference, Nijmegen, the Netherlands.

Skills:

Programming: Python, R, MATLAB, SPSS, Praat

Languages: English (fluent, IELTS C2, academic proficiency), Slovak (native), Czech (fluent), Spanish (intermediate)