

Katarína Labancová

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Education:

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

Experience:

SEP 2022 – AUG 2023	Thesis internship, Roshan Cools lab <i>Donders Institute for Brain, Cognition & Behaviour, Nijmegen, NL</i> Thesis project: <i>Dopaminergic mechanisms of inference in meaning generation</i> , supervision: Elena Mainetto & Prof. Dr. Roshan Cools - data collection and analysis of both behavioural and fMRI data, multi-session pharmaco-fMRI paradigm, construction of an analysis pipeline, results evaluation and presentation
MAY 2022 – JUN 2022	Research assistantship, Hanneke den Ouden lab <i>Donders Institute for Brain, Cognition & Behaviour, Nijmegen, NL</i> Project: <i>Role of the average reward rate in the environment on cognitive effort expenditure</i> , supervision: Floortje Spronkers - behavioural data collection
NOV 2021 – present	Teacher's assistantship <i>Radboud University, Nijmegen, NL</i> 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)