

Sofia Rappe

sofia.rappe@campus.lmu.de | sofia-rappe.com | +49 176 74533826
LMU München, Fakultät für Philosophie, Lehrstuhl für Philosophy of Mind
Geschwister-Scholl-Platz 1, 80539 München, Germany

AREAS OF RESEARCH

AOS Philosophy of Mind and Cognition, Philosophy of Cognitive Sciences, Philosophy of Language
AOC Philosophy of Science (general), Epistemology

EDUCATION

- 2019 - 2022 (EXPECTED) **Ph.D. in Neurophilosophy**
Ludwig-Maximilians-Universität München (LMU Munich), Germany
Faculty of Philosophy, Philosophy of Science and the Study of Religion
& Graduate School of Systemic Neurosciences
Dissertation: *Subjective Experience in Predictive Agents*
Advisory Committee: Ophelia Deroy, Stephan Hartmann, Sam Wilkinson
- 2017 - 2018 **M.Sc. in Mind, Language, and Embodied Cognition (Distinction)**
The University of Edinburgh, UK
Dissertation: *Now, Never, or Coming Soon? Prediction and Efficient Language Processing*
Supervisor: Andy Clark
- 2013 - 2017 **Hons B.Sc. in Linguistics and Mathematics (Distinction)**
Minor in Semiotics and Communication Studies
Victoria College, University of Toronto, Canada
Capstone project supervisor (cognitive science): John Vervaeke

PROFESSIONAL EXPERIENCE

- 01/2020 – present **Research Intern**
Departments of Psychology and Neurology, LMU Munich
Principal Investigator: Dr. Paul Taylor
- 10/2019 – present **Instructor & Teaching Assistant**
Chair of Philosophy of Mind, LMU Munich
- 09/2018 – 08/2019 **Academic Editor**
Editing Press Inc., Online
- 01/2017 – 08/2018 **Laboratory Manager**
Consciousness and Wisdom Studies Lab (CWSL), University of Toronto
Laboratory Director: Dr. John Vervaeke, Principal Investigator: Dr. Michel Ferrari
- 08/2015 – 01/2017 **(Senior) Research Assistant**
CWSL, University of Toronto
- 04/2016 – 08/2016 **Research Assistant**
Technologies for Aging Gracefully Lab, Toronto
Laboratory Director (Emeritus): Dr. Ronald Baecker
- 2012 – 2015 **Freelance Technical Translator & Writer**
Gella Ltd. & Mute Labs, Russia

TEACHING

- Winter Term 2021-22 **Guest Lecturer**, “The Predictive Brain”
Advanced MA Philosophy seminar, LMU Munich.
- Summer Term 2021 **Co-instructor**, “Neurophilosophy” (Part III: Perception & Consciousness)
Seminar for MSc Neuroscience and Neuro-Cognitive Psychology students, LMU Munich.
- Winter Term 2020-21 **Co-instructor**, “Representations in Cognitive Science”
Advanced MA Philosophy seminar, LMU Munich.
- Summer Term 2020 **Co-instructor**, “Knowing that we know: Key issues on reflection & confidence”
Advanced MA Philosophy seminar, LMU Munich
- 2019 - present **Recurring Guest Instructor**, “Minds & Methods” (Academic Writing Section)
BA and MA Philosophy thesis-writing seminar, LMU Munich
- Winter Term 2019-20 **Instructor**, “Readings in Predictive Processing”
Advanced MA Philosophy journal club, LMU Munich
- Winter Term 2019-20 **Co-instructor**, “Cybernetics & Computation: The Promise of Artificial Intelligence”
Advanced BA and MA Philosophy seminar, LMU Munich
- 2019 **Instructor**, “Introduction to Predictive Processing”
Lectures series for the Cognitive Science and AI Student Association,
University of Toronto

PUBLICATIONS

Peer-reviewed articles

Rappe, S. (2022). Predictive minds can think: Addressing generality and surface compositionality of thought. *Synthese*, doi: 10.1007/s11229-022-03502-7.

Rappe, S. (2019). Now, never, or coming soon? Prediction and efficient language processing. *Pragmatics & Cognition*, doi: 10.1075/pc.19001.rap.

Book reviews

Rappe, S. (2020). Brain-Mind [Review of the book *Brain-Mind: From Neurons to Consciousness and Creativity*, by P. Thagard]. *Metapsychology Online Reviews*.

Under review (* indicates equal contribution)

Deroy, O.* & **Rappe, S.*** (*under review after "minor revisions"*). The clear and not so clear signatures of perceptual reality in the Bayesian brain.

Rappe, S. & Wilkinson S. (*under review after "minor revisions"*). Counterfactuals and psychosis: Adding complexity to predictive processing accounts.

In preparation

Rappe, S., Loev S. & Deroy, O. Confidence within its proper bounds.

Rappe, S. Perception, imagination, and counterfactual cognition in a predictive brain.

AWARDS, FUNDING, AND FELLOWSHIPS

- 2020 - 2021 **LMU Mentoring Program of Faculty 10 Bursary (for Female Academics in Philosophy)**
Ludwig-Maximilian-Universität München
- FROM 2019 **Neurophilosophy Doctoral Scholarship**
Graduate School of Systemic Neurosciences & Munich Center for Neurosciences,
Ludwig-Maximilian-Universität München
- 2019 **Edinburgh Global Research Scholarship**
The University of Edinburgh (declined to attend LMU Munich)
- 2019 **College of Arts, Humanities and Social Science Research Award**
The University of Edinburgh (declined to attend LMU Munich)
- 2019 **Modelling Consciousness Workshop Travel Grant**
- 2018 **Highly Commended Dissertation Award**
School of Philosophy, Psychology & Language Sciences, The University of Edinburgh
- 2013 - 2014 **Vic One Member: Arthur Schawlow Stream for Physical and Mathematical Sciences**
Victoria College, University of Toronto (competitive admission)

TALKS AND POSTERS (OUTSIDE OWN DEPARTMENT)

- 10/2021 “Counterfactuals and psychosis: Adding complexity to predictive processing accounts”
Institute of Philosophy, School of Advanced Study
at the University of London, UK
- 06/2021 “Figuring out what is real in the predictive mind”
Metacognition: new developments and challenges, School of Advanced Study
at the University of London, UK
- 07/2020 “Thinking about Thought (and Predictive Processing)”
Third Early Career Research Workshop, Ruhr-Universität Bochum, Germany
- 07/2019 “Now, Never, or Coming Soon? Prediction and Efficient Language Processing” (invited talk)
Neurology Research Association, York University, Canada
- 03/2019 “Predictive Processing and Conscious Thought”
Modelling Consciousness: A Workshop on Formal Approaches to the Mind-Body
Problem, Dorfgastein, Austria
- 06/2018 “Predictive Language Processing and the Now-or-Never Bottleneck” (poster)
The 63rd Language @ Edinburgh Lunch, The University of Edinburgh, UK
- 01/2018 “Trouble with Metaphor”
Mind & Cognition Workshop, The University of Edinburgh, UK
- 03/2017 “On Metaphor”
Confluence: Merging Streams, University of Toronto, Canada

PROFESSIONAL SERVICE & PUBLIC OUTREACH

- 2020 **Assistant Organizer**, Graduate School of Systemic Neurosciences Retreat, Germany
- 2020 **Reviewer**, *Erkenntnis & Synthese*
- 2020 **Guest Speaker**, NeuroCamp: Munich Neuroscience Summer School, Germany
- 2018 **Assistant Organizer**, The University of Edinburgh Online Pedagogy Conference, UK
- 2016 - 2017 **Student Advisory Team Member**, Enterprise Applications & Solutions Integration Team,
University of Toronto, Canada
- 2014 **Assistant Organizer**, University of Toronto Interdisciplinary Symposium on the Mind:
Mind and Religion, Canada
- 2014 **Demonstrator**, Science Rendezvous Toronto, Canada

LANGUAGES AND TECHNICAL SKILLS

LANGUAGES: Russian (native), English (near-native proficiency), German (A2), Japanese (A2 comprehension), Hebrew (A2 comprehension)

TECHNICAL SKILLS: Python (lower intermediate, basic familiarity with NLTK, machine learning packages), R (basic), Matlab/Octave (basic machine learning), LaTeX, Google Workspace, Microsoft Office, Slack, Discord, Trello, GitHub

+ Experience administering (mobile) EEG, TMS, sMRI