

Sofia Rappe

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AREAS OF RESEARCH

AOS Philosophy of Mind, Philosophy of Cognitive Sciences, Philosophy of Psychiatry

AOC Philosophy of Language, Philosophy of Artificial Intelligence, Epistemology

EDUCATION

- 10/2019 - 10/2022 **Ph.D. in Neurophilosophy** (Passed with no corrections on 17 October 2022)
Ludwig-Maximilians-Universität München (LMU Munich), Germany
Faculty of Philosophy, Philosophy of Science and the Study of Religion
& Graduate School of Systemic Neurosciences
Dissertation: *Mental states and cognitive mechanisms in predictive agents*
Advisory Committee: Prof. Ophelia Deroy (primary advisor),
Prof. Stephan Hartmann, Dr. Sam Wilkinson
External Examination Committee Member: Prof. Albert Newen
- 9/2017 - 11/2018 **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: Prof. Andy Clark, Second Grader: Prof. Mark Sprevak
- 9/2013 - 06/2017 **Hons B.Sc. in Linguistics and Mathematics (Distinction)**
Minor in Semiotics and Communication Studies
Victoria College, University of Toronto, Canada
Capstone Project Supervisor: Prof. John Vervaeke

PROFESSIONAL EXPERIENCE

- 05/2025 - present **Honorary Research Fellow**, Durham University
Philosophy Department & Centre for Research into Inner Experience
- 05/2025 - present **Founder**, Cogweave, London, UK
Open-access scholarly infrastructure for collaborative research, peer review,
and publishing in cognitive sciences (in development).
* Member of LMU IEC Incubator (1/2022 - 01/2023)
- 09/2024 – 04/2025 **Affiliate Faculty (Contract)**, American Canadian School of Medicine (ACSOM)
- 10/2022 – 05/2025 **Postdoctoral Research Fellow**, Ruhr University Bochum
* Employed @ Research Unit: Constructing Scenarios of the Past (since 10/2023)
* Neuromind Stipend @ Chair of Phil. of Language & Cognition (10/2022 – 09/2023)
- 10/2019 – 08/2022 **Graduate Instructor & Teaching Assistant**, LMU Munich
Chair of Philosophy of Mind
- 10/2020 – 08/2021 **Research Intern**, LMU Munich
Departments of Psychology and Neurology
Principal Investigator: Dr. Paul Taylor
- 09/2018 – 08/2019 **Academic Editor**, Editing Press Inc., Online
- 08/2015 – 08/2018 **Laboratory Manager & (Senior) Research Assistant**, University of Toronto
* Laboratory Manager, Consciousness and Wisdom Studies Lab
(CWSL, Laboratory Director: Prof. John Vervaeke) (since 01/2017)
* Research Assistant, CWSL (08/2015 - 01/2017)
* Research Assistant, Technologies for Aging Gracefully (TAG) Lab
(Laboratory Director: Prof. Ronald Baecker) (04/2016 – 08/2016)

SHORT-TERM RESEARCH VISITS

10/2024 – 12/2024	University Alliance Ruhr Future's Visiting Fellow * Rutgers University-New Brunswick (Department of Philosophy) * NYU (Department of Philosophy and Center for Mind, Brain, and Consciousness)
06/2024	Visiting Researcher UCLA (Department of Psychiatry)

AWARDS, FUNDING, AND FELLOWSHIPS

2024	University Alliance Ruhr Future's Fellowship	\$12.000
2024	Issues in Philosophy of Memory Early Career Travel Award	€900
2022 – 2023	Neuromind Postdoctoral Fellowship Ruhr University Bochum	€28.200
2023	Diverse Intelligences Summer Institute (DISI) Stipend University of California, Los Angeles	\$2.800
2022	LMU Mentoring Program of Faculty 10: Workshop Funding Ludwig-Maximilian-Universität München	€2.358
2019 – 2022	Neurophilosophy Doctoral Scholarship Graduate School of Systemic Neurosciences Ludwig-Maximilian-Universität München	€52.848
2019	Edinburgh Global Research Scholarship The University of Edinburgh (declined to attend LMU Munich)	£44.000 (aprox.)
2019	College of Arts, Humanities and Social Science Research Award The University of Edinburgh (declined to attend LMU Munich)	£43.659 + £57.000 (aprox.) stipend + overseas tuition
2019	Modelling Consciousness Workshop Travel Grant	€400
2018	Highly Commended Dissertation Award School of Philosophy, Psychology & Language Sciences The University of Edinburgh	£50

Pending grant application decisions: MSCA European Postdoctoral Fellowship 2025

PUBLICATIONS

Refereed journal articles (* indicates equal contribution)

Rappe, S. & Wilkinson, S. (Forthcoming). Deep Dialogism, Inner Voices, and Mental Health. *Mind & Language*. PsyArXiv preprint doi: [10.31234/osf.io/snyfv](https://doi.org/10.31234/osf.io/snyfv).

Rappe, S. & Werning, M. (2026). The role of episodic memory in causal reasoning with counterfactuals: A perspective from predictive processing and trace minimalism. *Philosophical Psychology*, 1-37. doi: [10.1080/09515089.2025.2498738](https://doi.org/10.1080/09515089.2025.2498738).

Wilkinson, S. & **Rappe, S.** (2025). Dialogism and Inner Speech. *Journal of Consciousness Studies*. doi: [10.53765/20512201.32.7.128](https://doi.org/10.53765/20512201.32.7.128).

Rappe, S. & Wilkinson, S. (2023). Counterfactuals and psychosis: Adding complexity to predictive processing accounts. *Philosophical Psychology*. doi: [10.1080/09515089.2022.2054789](https://doi.org/10.1080/09515089.2022.2054789).

Deroy, O.* & **Rappe, S.*** (2022). The clear and not so clear signatures of perceptual reality in the Bayesian brain. *Consciousness and Cognition*, 103, 103379. doi: [110.1016/j.concog.2022.103379](https://doi.org/110.1016/j.concog.2022.103379).

Rappe, S. (2022). Predictive minds can think: Addressing generality and surface compositionality of thought. *Synthese*, 200(1), 1-22. doi: [10.1007/s11229-022-03502-7](https://doi.org/10.1007/s11229-022-03502-7).

Rappe, S. (2019). Now, never, or coming soon? Prediction and efficient language processing. *Pragmatics & Cognition*, 26(2-3), 357-385. doi: [10.1075/pc.19001.rap](https://doi.org/10.1075/pc.19001.rap).

Conference proceedings

Rappe, S. & Werning, M. (2024). Episodic memory in causal reasoning about singular events. In *Proceedings of the Annual Meeting of the Cognitive Science Society* (Vol. 46). <https://escholarship.org/uc/item/21c5f7b4>.

Book reviews

Rappe, S. (2025). The ever-expanding predictive mind: Review of *Predictive Minds: Old Problems and New Challenges* edited by Manuel Curado and Steven Gouveia. *Philosophical Psychology*. doi: 10.1080/09515089.2024.2324053. [Invited Contribution]

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

Submitted papers and chapters

Leckie, L., Bershad, A. K., Heppler, J., McClay, M., **Rappe, S.**, & Foster, J. G. (Revised and resubmitted). The content and structure of dreams are coupled to affect. PsyArXiv preprint doi: 10.31234/osf.io/wv6q4.

Rappe, S. (Submitted). After an “I”: Predictive memory, construction, and reconstruction of the self. In A. Newen (Ed.), *New Perspectives on Memory and Self*. de Gruyter.

TEACHING

WiSe 2023/24, WiSe 2024/25	Instructor , “Philosophy of Psychiatry and Neuroscience” Lecture series for Medical Degree Program, ACSOM
WiSe 2024/25	Co-instructor , “Argumentation and Writing” BA Philosophy seminar, Ruhr University Bochum
SoSe 2021, SoSe 2022	Co-instructor & Teaching Assistant , “Neurophilosophy” Lecture for MSc Neuroscience and Neuro-Cognitive Psychology students, LMU Munich
WiSe 2019/20 - SoSe 2022	Instructor & Course Coordinator , “Minds & Methods” BA and MA Philosophy thesis-writing seminar, LMU Munich
WiSe 2021/22	Co-instructor & Course Coordinator , “Representations in Cognitive Science” Advanced MA Philosophy seminar, LMU Munich
SoSe 2020	Co-instructor & Teaching Assistant , “Knowing that we know: Key issues on reflection & confidence”, Advanced MA Philosophy seminar, LMU Munich
WiSe 2020/21	Instructor , “Readings in Predictive Processing” Advanced MA Philosophy journal club, LMU Munich
WiSe 2020/21	Co-instructor , “Cybernetics & Computation: The Promise of Artificial Intelligence”, Advanced BA and MA Philosophy seminar, LMU Munich
WiSe 2019/20	Lecturer , “Introduction to Predictive Processing” Cognitive Science and AI Student Association, University of Toronto

INVITED TALKS

11/2023	“Predictive processing models for explaining positive symptoms in psychosis: hallucinations, delusions, and confabulations,” TU Munich (Online), Germany
06/2023	[Keynote] “Thinking about the past, the future, and what is never to be: A how-to guide for predictive agents,” LingCologne2023, University of Cologne, Germany
09/2022	“Counterfactuals and psychosis: a discussion and implications for clinical practice” ECHR ANZ, Australia (Online)
10/2021	“Counterfactuals and psychosis,” Institute of Philosophy, School of Advanced Study

at the University of London, UK (Online)

07/2019 "Now, Never, or Coming Soon? Prediction and Efficient Language Processing"
Neurology Research Association, York University, Canada

SELECT CONFERENCE TALKS

- 09/2024 "The shared mechanisms behind confabulations, hallucinations, and delusions in schizophrenia"
ECHR-ICHR Meeting 2024, Lisbon, Portugal
- 07/2024 "Dialogism, Inner Speech, and Mental Health," ESPP 2024, Grenoble, France
- 06/2024 "Hallucinating memories: The shared mechanisms behind confabulation and other positive symptoms in schizophrenia," IPM4, Geneva, Switzerland
- 08/2023 "Episodic memory and causal reasoning via counterfactual simulation: an approach based on trace minimalism and predictive processing," ESPP 2023, Prague, Czech Republic
- 06/2023 "Imagination and its Constraints in the Predictive Mind," SPP 2023, Pittsburgh, US
- 06/2023 "The role of episodic memory in causal reasoning with counterfactuals: A perspective from predictive processing and trace minimalism," GEM 2023, Ruhr University Bochum, Germany
- 07/2022 "Counterfactuals and psychosis: Adding complexity to predictive processing accounts"
ESPP & SPP 2022 Joint Conference, University of Milan, Italy (Online)
- 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 (Online)
- 07/2020 "Thinking about Thought (and Predictive Processing)"
Third Early Career Research Workshop, Ruhr University Bochum, Germany (Online)

SELECT DEPARTMENTAL TALKS

- 04/2024 "Episodic memory and singular counterfactual causal reasoning"
FOR Colloquium, Ruhr University Bochum, Germany
- 05/2023 "Episodic memory and causal reasoning through counterfactuals" (w/ M. Werning)
Bochum-Grenoble Memory Colloquium, Ruhr University Bochum, Germany
- 11/2022 "Thinking and language in predictive processing"
Bochum Language Colloquium, Ruhr University Bochum, Germany
- 06/2022 "Counterfactuals and psychosis: an updated predictive-processing-based perspective"
LMU Early Career Workshop in Philosophy of Mind, LMU Munich, Germany
- 12/2020 "Possible vs. actual in the predictive brain: Psychosis as a disorder of consciousness"
LMU Neurophilosophy Colloquium, LMU Munich, Germany
- 05/2020 "Predictive Processing can accommodate compositionality and generality of thought"
LMU Neurophilosophy Colloquium, LMU Munich, Germany
- 02/2020 "Predictive Processing and Thought"
Cognition, Values, Behaviour Colloquium, LMU Munich, Germany

PUBLIC ENGAGEMENT & OUTREACH

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| 11/2024 | Blog post on imagination | The Junkyard of the Mind [link] |
| 10/2022 | Participant | Biotopia Sense Festival, Munich [link] |
| 02/2022 | Podcast appearance (in Russian) | Knowledge Management Podcast [link] |
| 12/2021 | Blog post on predict. processing (in Russian) | Habr.com [link] |
| 05/2021 | Blog post on cognitive science (in Russian) | Habr.com [link] |

PROFESSIONAL SERVICE

Reviewer for Journals: *Acta Analytica, Cognitive Science, Consciousness & Cognition, Erkenntnis, Minds & Machines, Philosophical Psychology, Philosophical Transactions of the Royal Society B: Biological Sciences, Review of Philosophy and Psychology, Synthese*

Reviewer for Conferences: CogSci 2023, 2024, 2025; GEM 2023; PBCS 2026

Event Organizer: 2024 Variation in and Influence on Conscious Experience (org.)
2024 Sense of Reality Workshop (co-org.)
2022 LMU Munich Early Career Workshop in Philosophy of Mind (lead org.)
2020 Graduate School of Systemic Neurosciences Retreat (assist. org.)
2018 The University of Edinburgh Online Pedagogy Conference (assist. org.)
2014 University of Toronto Interdisciplinary Symposium on the Mind (assist. org.)

Commentator/Discussant: Durham Inner Speech Workshop (12/10/2025)
Neural Mechanisms Online (19/04/2019)

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

American Psychological Association, Cognitive Science Society, Early Career Hallucinations Research Group, European Society for Philosophy and Psychology, International Consortium on Hallucination Research, Society for Philosophy and Psychology

ADDITIONAL TRAINING, LANGUAGES, AND TECHNICAL SKILLS

LANGUAGES: Russian (native), English (native-like), German (B1), Japanese (A2), Hebrew (A2 reading & writing, A1 speaking), Tatar (A2 reading & writing, A1 speaking)

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

+ Experience administering EEG, TMS, sMRI

REFERENCES

References are available upon request.