

LUKAS J. GUNSCHERA

MRC Cognition and Brain Sciences Unit
University of Cambridge
United Kingdom

www.lukasgunschera.com
l.gunschera[at]outlook.com
orcid.org/0000-0002-8241-0833

EDUCATION

University of Cambridge – MRC Cognition and Brain Sciences Unit PhD, Medical Science	From Oct 2023 Cambridge, UK
University of Amsterdam Master of Science, Psychological Research (cum laude)	Sep 2020 – Sep 2022 Amsterdam, The Netherlands
Radboud University Bachelor of Science (Honours), Psychology (cum laude)	Sep 2017 – Sep 2020 Nijmegen, The Netherlands

ACADEMIC POSITIONS

University of Cambridge – MRC Cognition and Brain Sciences Unit Postgraduate Research Assistant (full time)	Oct 2022 – Oct 2023 Cambridge, UK
Research on the mental health impacts of digital technologies using large social media datasets and advanced computational and longitudinal methods. <i>Supervision: Amy Orben.</i>	
University of Oxford Research Assistant (part time)	Nov 2021 – Nov 2022 Oxford, UK
Research on selective attention and learning deficits in psychopathic individuals and potential downstream consequences. <i>Supervision: Elaine Fox & Robin Murphy.</i>	
University of Amsterdam Teaching Assistant (part time)	Sep 2021 – Oct 2022 Amsterdam, The Netherlands
University of Amsterdam Research Assistant (part time)	Feb 2021 – Dec 2022 Amsterdam, The Netherlands
Worked in multiple research groups at the university and was involved in all aspects of the research process. Notable contributions include co-leading a large longitudinal collaboration. <i>Supervision: Bruno Verschuere & Sanne de Wit</i>	

VISITING POSITIONS AND PLACEMENTS

University of Rotterdam Visiting Researcher	Jun 2024 – Jun 2024 Rotterdam, The Netherlands
University of Oxford Visiting Researcher	Oct 2019 – Nov 2019 Oxford, UK
Radboud University Honours Programme, Interdisciplinary Honours Programme	Jan 2018 – Sep 2020 Nijmegen, The Netherlands

SELECTED PUBLICATIONS

- Gunschera, L.J.**, Dutton, K., Fox, E., Temple-McCune, A., Murphy, R. (2024). Overburdening associations: The dependency of psychopathy-related acquisitional learning deficits on processing load. *Personality and Individual Differences*. doi.org/10.1016/j.paid.2024.112705
- Gunschera, L.J.**, Verschuere, B., Murphy, R., Temple-McCune, A., Dutton, K., Fox, E. (2023). No impaired integration in psychopathy: Evidence from an illusory conjunction paradigm. *Personality Disorders: Theory, Research, and Treatment*. doi.org/10.1037/per0000619.
- Gunschera, L.J.**, Brazil, I.A., Driessen, J.M.A. (2022). Socio-economic decision-making and psychopathy: A systematic review and meta-analysis. *Neuroscience and Biobehavioural Reviews*. 10.1016/j.neubiorev.2022.104966

UNDER REVIEW AND PREPRINTS

- Gunschera, L.J.**, Achterberg, M., Speyer, L.G., Wise, T., Orben, A. (2025). Cognitive phenotypes of risk and resilience for the relationship between social media and mental health. *PsyArxiv*. doi.org/10.31234/osf.io/bgqyj_v1.
- Davidson, B.C., Turner, G., Palminteri, S., Tomova, L., Eichstaedt, J.C., Salecha, A., Subrahmanya, S., Orben, A.** , **Gunschera, L.J.**** (2025). Prolonged social isolation is associated with increased behavioural sensitivity to 'likes' on social media. *PsyArxiv*. doi.org/10.31234/osf.io/65tdz_v1.

Turner, G., **Gunschera, L.J.**, Subrahmanya, S., Salecha, A., Eichstaedt, J.C., Palminteri, S., Orben, A. (2025). A computational model of reward learning and habits on social media. *PsyArxiv*. doi.org/10.31234/osf.io/xe25k.

Ferguson, A., Richards, M., **Gunschera, L.J.**, Mutak, A., Goldberg, R., Modecki, K., Orben, A. (under review). Digital parenting in the 21st century: Development and validation of a new digital parenting scale.

EVIDENCE FOR POLICY

Written Evidence

Gunschera, L.J., Orben, A., Turner, G. (2024). Addressing Gaps in Digital Media Research: Pathways for Future Science and Policy. *European Joint Research Commission Report*.

Orben, A., **Gunschera, L.J.**, Turner, G. (2023). Written evidence for Initiative to protect youth mental health, safety, and privacy online. *National Telecommunications and Information Administration*. NTIA-2023-0008-0001

Oral Evidence

Addressing gaps in digital media research: Pathways for future science and policy, European Commission, Mar 2025, *Online*

Roundtable on Call for Evidence on Researchers' access to information from regulated online services, Ofcom, Nov 2024, London, UK

AWARDS AND RECOGNITIONS

UK Research and Innovation Medical Research Council Studentship	Oct 2023 – Sep 2027
Cambridge Philosophical Society, Travel Grant	May 2025
Wolfson College, Travel & Research Award	May 2025
British Association for Psychopharmacology, Bursary	May 2025
Wolfson College, Travel & Research Award	May 2024
American Psychological Association, Editor's Choice Award	Mar 2023
Thesis Award, Netherlands Institute of Psychologists	Mar 2023

INVITED TALKS AND PRESENTATIONS

Rethinking social media addiction: The importance of mechanisms of diagnosis and treatment	Sep 2025 <i>Manchester, UK</i>
Royal College of Psychiatrists: Faculty of Child and Adolescent Psychiatry annual conference	
Cognitive phenotypes of risk and resilience for the relationship between social media and mental health	Sep 2024 <i>Online</i>
Gillan Lab, Trinity College Dublin	
Cognitive processes linking social media and mental health	Sep 2024 <i>Newport Beach, USA</i>
CERES, Jacobs Foundation	
Cognitive phenotypes of social media risk and resilience	Jun 2024 <i>Rotterdam, The Netherlands</i>
SO-REBEL and SYNC research groups, University of Rotterdam	
No impaired integration in psychopathy	Mar 2023 <i>Utrecht, The Netherlands</i>
Personality disorder and addiction conference	
Do psychopaths suffer from impaired information integration?	Feb 2023 <i>Online</i>
Netherlands Institute of Psychologists	

LECTURES AND TEACHING

Open Science: A beginners guide	Aug 2025 <i>Online</i>
Cambridge Access to Mental Health & Psychology Programme	
Improving Scientific Practices in Cognitive Science: Robust Statistics	From 2024 <i>Cambridge, UK</i>
University of Cambridge, MRC Cognition and Brain Sciences Unit	
Improving Scientific Practices in Cognitive Science: Computational Reproducibility	From 2024 <i>Cambridge, UK</i>
University of Cambridge, MRC Cognition and Brain Sciences Unit	

Social and Developmental Psychology University of Cambridge, Girton College	2024 Cambridge, UK
Meta-Analysis University of Amsterdam	2022 Amsterdam, The Netherlands
Scientific Writing and Presenting University of Amsterdam	2022 Amsterdam, The Netherlands
Addiction and Compulsive Disorders University of Amsterdam	2021 Amsterdam, The Netherlands

CONFERENCE PANELS AND WORKSHOPS

Panels

Adolescents in the wild web: bringing order to chaos through research <i>Royal College of Psychiatrists: Faculty of Child and Adolescent Psychiatry Annual Conference</i>	Sep 2025 Manchester, UK
--	----------------------------

Workshops

A shared responsibility: Improving causal literacy across the scientific pipeline <i>Society for the Improvement of Psychological Science</i>	Jun 2023 Padova, Italy
--	---------------------------

SUPERVISION AND TRAINING RECORD

Research Assistants and Interns

Jamil Adjallah	From 2025
Ioanna Fokas	From 2024
Brandon Davidson	From 2024
Emily Poort (next destination: PhD at Amsterdam UMC)	2022
Gustaw Opielka (next destination: PhD at University of Amsterdam)	2022

Graduate Students

Clelia Veith (Technical University of Munich)	From 2025
---	-----------

Undergraduate Students

Ruxandra Ursache (University of Cambridge)	2025 – 2026
James D'Silva (University of Cambridge)	2025 – 2026
Ethan Ong (University of Cambridge)	2024 – 2025

PUBLIC ENGAGEMENT

Notes on Science Co-Founder	From 2024 Cambridge, UK
Cambridge Access to Mental Health & Psychology Programme Supervisor & Lecturer	From 2024 Cambridge, UK
Pint of Science Organising Member	2024 Cambridge, UK
Open Science Day MRC Cognition and Brain Sciences Unit Co-Organiser	Mar 2024 Cambridge, UK

PROFESSIONAL AFFILIATIONS

MRC Cognition and Brain Sciences Unit Open Science Committee, Chair	From 2025
Society for the Study of Addiction, Member	From 2025
British Association for Psychopharmacology, Member	From 2024
Wolfson College, Member	From 2023
Cambridge Philosophical Society, Member	From 2023
Cambridge Union, Member	From 2023
Cambridge Journal of Science and Policy, Editor	2023 – 2025
MRC Cognition and Brain Sciences Unit Open Science Committee, Member	From 2022
Psychonomic Society, Member	From 2022
Society for Applied Research in Memory & Cognition, Member	2022 – 2024
Society for the Improvement of Psychological Science, Member	2023 – 2024

SKILLS

Programming	R, Stan, Git, SQL, MPLUS, Python, Java Script, Docker, Inquisit, Lotus
Data acquisition	Electroencephalography, electrodermal, electrocardiography, respiration, eye-tracking
Formal Analyses	Bayesian inference, computational modeling, multilevel modeling, longitudinal modeling, structural equation modeling, meta-analysis

October 15th, 2025

