LUKAS J. GUNSCHERA

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University of Cambridge
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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. *Supervision: Amy Orben.*

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. *Supervision: Elaine Fox & Robin Murphy.*

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 Netherland

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. *Supervision: Bruno Verschuere & Sanne de Wit*

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

** = shared senior authorship, * = shared first authorship

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

LECTURES AND TEACHING

Open Science: A beginners guide	Aug 2025
Cambridge Access to Mental Health & Psychology Programme	*Online*
Improving Scientific Practices in Cognitive Science: Robust Statistics	From 2024
University of Cambridge, MRC Cognition and Brain Sciences Unit	*Cambridge, UK*
Improving Scientific Practices in Cognitive Science: Computational Reproducibility	From 2024
University of Cambridge, MRC Cognition and Brain Sciences Unit	*Cambridge, UK*
Social and Developmental Psychology	2024
University of Cambridge, Girton College	*Cambridge, UK*
Meta-Analysis	2022
University of Amsterdam	*Amsterdam, The Netherlands*
Scientific Writing and Presenting	2022
University of Amsterdam	*Amsterdam, The Netherlands*
Addiction and Compulsive Disorders	2021
University of Amsterdam	*Amsterdam, The Netherlands*

CONFERENCE PANELS AND WORKSHOPS

Panels

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

Workshops

A shared responsibility: Improving causal literacy across the scientific pipeline	Jun 2023
Society for the Improvement of Psychological Science	*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	From 2024
Co-Founder	*Cambridge, UK*
Cambridge Access to Mental Health & Psychology Programme	From 2024
Supervisor & Lecturer	*Cambridge, UK*
Pint of Science	2024
Organising Member	*Cambridge, UK*
Open Science Day MRC Cognition and Brain Sciences Unit	Mar 2024
Co-Organiser	*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

Student Initiative for Open Science, Member   2021 − 2022

University of Amsterdam, Student Delegate   2020 − 2022

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