

# LUKAS J. GUNSCHERA

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## EDUCATION

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

## ACADEMIC POSITIONS

<b>University of Cambridge – MRC Cognition and Brain Sciences Unit</b> 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>	
<b>University of Oxford</b> 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 &amp; Robin Murphy.</i>	
<b>University of Amsterdam</b> Teaching Assistant (part time)	Sep 2021 – Oct 2022 Amsterdam, The Netherlands
<b>University of Amsterdam</b> 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 &amp; Sanne de Wit</i>	

## VISITING POSITIONS AND PLACEMENTS

<b>University of Rotterdam</b> Visiting Researcher	Jun 2024 – Jun 2024 Rotterdam, The Netherlands
<b>University of Oxford</b> Visiting Researcher	Oct 2019 – Nov 2019 Oxford, UK
<b>Radboud University</b> 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

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### *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

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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

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

## LECTURES AND TEACHING

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

<b>Social and Developmental Psychology</b> University of Cambridge, Girton College	2024 Cambridge, UK
<b>Meta-Analysis</b> University of Amsterdam	2022 Amsterdam, The Netherlands
<b>Scientific Writing and Presenting</b> University of Amsterdam	2022 Amsterdam, The Netherlands
<b>Addiction and Compulsive Disorders</b> 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
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### *Workshops*

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

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

## PROFESSIONAL AFFILIATIONS

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

## SKILLS

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

October 15<sup>th</sup>, 2025

