

# LUKAS J. GUNSCHERA

MRC Cognition and Brain Sciences Unit  
University of Cambridge  
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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

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.

Turner, G., **Gunschera, L.J.**, Subrahmanya, S., Salecha, A., Eichstaedt, J.C., Palminteri, S., Orben, A. (under review). Computational model of reward learning and habits on social media.

## EVIDENCE FOR POLICY

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**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

## AWARDS AND RECOGNITIONS

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

## SUPERVISION AND TRAINING RECORD

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### **Research Assistants**

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	From 2025
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### **Undergraduate Students**

Ethan Ong	2024-2025
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## INVITED TALKS

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<b>Addressing gaps in digital media research: Pathways for future science and policy</b> European Commission	Mar 2025 <i>Online</i>
<b>Cognitive processes linking social media and mental health</b> CERES, Jacobs Foundation	Sep 2024 <i>Newport Beach, USA</i>
<b>Cognitive phenotypes of social media risk and resilience</b> SO-REBEL and SYNC research groups, University of Rotterdam	Jun 2024 <i>Rotterdam, The Netherlands</i>
<b>Do psychopaths suffer from impaired information integration?</b> Netherlands Institute of Psychologists (NIP)	Feb 2023 <i>Online</i>

## LECTURES AND TEACHING

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<b>Improving Scientific Practices in Cognitive Science: Robust Statistics</b> University of Cambridge, MRC Cognition and Brain Sciences Unit	2024 <i>Cambridge, UK</i>
<b>Improving Scientific Practices in Cognitive Science: Computational Reproducibility</b> University of Cambridge, MRC Cognition and Brain Sciences Unit	2024 <i>Cambridge, UK</i>
<b>Social and Developmental Psychology</b> University of Cambridge, Girton College	2024 <i>Cambridge, UK</i>
<b>Meta-Analysis</b> University of Amsterdam	2022 <i>Amsterdam, The Netherlands</i>
<b>Scientific Writing and Presenting</b> University of Amsterdam	2022 <i>Amsterdam, The Netherlands</i>
<b>Addiction and Compulsive Disorders</b> University of Amsterdam	2021 <i>Amsterdam, The Netherlands</i>

## CONFERENCE PRESENTATIONS AND WORKSHOPS

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### *Workshops*

**A shared responsibility: Improving causal literacy across the scientific pipeline**, Society for the Improvement of Psychological Science

Jun 2023  
*Padova, Italy*

### *Talks*

**No impaired integration in psychopathy**  
Personality disorder and addiction conference

Mar 2023  
*Utrecht, The Netherlands*

## PUBLIC ENGAGEMENT

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### **Notes on Science**

Co-Founder

From 2024  
*Cambridge, UK*

### **Summer CAMP**

Supervisor

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

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**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

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### **Programming**

R, Stan, Git, SQL, MPLUS, Python, 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

July 5<sup>th</sup>, 2025

