

# LUKAS J. GUNSCHERA

MRC Cognition and Brain Sciences Unit  
University of Cambridge  
United Kingdom

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## EDUCATION

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

## ACADEMIC POSITIONS

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|--|---|
| <b>University of Cambridge – MRC Cognition and Brain Sciences Unit</b><br>Postgraduate Research Assistant (full time)  | Oct 2022 – Oct 2023<br>Cambridge, UK              |
| Research on the mental health impacts of digital technologies using large social media datasets and advanced computational and longitudinal methods.<br><i>Supervision: Amy Orben.</i>   |   |
| <b>University of Oxford</b><br>Research Assistant (part time)  | Nov 2021 – Nov 2022<br>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><br>Teaching Assistant (part time)   | Sep 2021 – Oct 2022<br>Amsterdam, The Netherlands |
| <b>University of Amsterdam</b><br>Research Assistant (part time)   | Feb 2021 – Dec 2022<br>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 at the Universities in Amsterdam, Cambridge, Helsinki, and Konstanz. <i>Supervision: Bruno Verschuere &amp; Sanne de Wit</i> |   |

## VISITING POSITIONS

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

## 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

- Turner, G., **Gunschera, L.J.**, Subrahmanya, S., Salecha, A., Eichstaedt, J.C., Palminteri, S., Orben, A. (preprint). Computational model of reward learning and habits on social media. <https://doi.org/10.31234/osf.io/xe25k>
- De Wit, S., Bieleke, M., Fletcher, P.C., Horstmann, A., Schueler, J., Brinkhof, L.P., **Gunschera, L.J.**, Murre, J.M.J. [Registered report Stage 1 IPA]. The shape of habits: A multi-centre replication.

## 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

## INVITED TALKS

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| <b>Addressing gaps in digital media research: Pathways for future science and policy</b><br>European Commission               | Mar 2025<br><i>Online</i>                     |
| <b>Cognitive processes linking social media and mental health</b><br>CERES, Jacobs Foundation                                 | Sep 2024<br><i>Newport Beach, USA</i>         |
| <b>Cognitive phenotypes of social media risk and resilience</b><br>SO-REBEL and SYNC research groups, University of Rotterdam | Jun 2024<br><i>Rotterdam, The Netherlands</i> |
| <b>No impaired integration in psychopathy</b><br>Personality disorder and addiction conference                                | Mar 2023<br><i>Utrecht, The Netherlands</i>   |
| <b>Do psychopaths suffer from impaired information integration?</b><br>Netherlands Institute of Psychologists (NIP)           | Feb 2023<br><i>Online</i>                     |

## PLACEMENTS

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|--|---|
| <b>Radboud University</b><br>Honours Programme                   | Sep 2018 – Sep 2020<br><i>Nijmegen, The Netherlands</i> |
| <b>Radboud University</b><br>Interdisciplinary Honours Programme | Jan 2018 – Jul 2018<br><i>Nijmegen, The Netherlands</i> |

## AWARDS AND RECOGNITIONS

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|---|---------------------|
| UK Research and Innovation Medical Research Council Studentship | Oct 2023 – Sep 2027 |
| Wolfson College, Travel Award                                   | May 2024            |
| American Psychological Association, Editor's Choice Award       | Mar 2023            |
| Thesis Award, Netherlands Institute of Psychologists            | Mar 2023            |
| Radboud Honours Academy, Honours Bachelor                       | Sep 2020            |
| Radboud Honours Academy, Honours Interdisciplinary              | Sep 2018            |
| Radboud University, Propedeuse cum laude                        | Sep 2018            |

## TEACHING AND SUPERVISION

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| <b>Undergraduate Dissertation Supervision</b><br>University of Cambridge, PBS3   | 2024 – 2025<br><i>Cambridge, UK</i>       |
| <b>Improving Scientific Practices in Cognitive Science</b><br>University of Cambridge, MRC Cognition and Brain Sciences Unit | 2024<br><i>Cambridge, UK</i>              |
| <b>Social and Developmental Psychology</b><br>University of Cambridge, Girton College  | 2024<br><i>Cambridge, UK</i>              |
| <b>Meta-Analysis</b><br>University of Amsterdam  | 2022<br><i>Amsterdam, The Netherlands</i> |
| <b>Scientific Writing and Presenting</b><br>University of Amsterdam  | 2022<br><i>Amsterdam, The Netherlands</i> |
| <b>Addiction and Compulsive Disorders</b><br>University of Amsterdam   | 2021<br><i>Amsterdam, The Netherlands</i> |

## PUBLIC ENGAGEMENT

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|---------------------------------------|------------------------------|
| <b>Notes on Science</b><br>Co-Founder | 2024<br><i>Cambridge, UK</i> |
| <b>Summer CAMP</b><br>Supervisor      | 2024<br><i>Cambridge, UK</i> |

## PROFESSIONAL AFFILIATIONS

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|--|---------------------|
| <b>British Association for Psychopharmacology</b> , Member             | Apr 2024 - present  |
| <b>Wolfson College</b> , Member  | Oct 2023 - present  |
| <b>Cambridge Philosophical Society</b> , Member                        | Oct 2023 - present  |
| <b>Cambridge Union</b> , Member  | Oct 2023 - present  |
| <b>Cambridge Journal of Science and Policy</b> , Editor                | Jan 2023 – present  |
| <b>Open Science Committee</b> , Chair & Member                         | Oct 2022 - present  |
| <b>Psychonomic Society</b> , Member                                    | Jul 2022 - present  |
| <b>Society for Applied Research in Memory &amp; Cognition</b> , Member | Jan 2022 - present  |
| <b>Society for the Improvement of Psychological Science</b> , Member   | Mar 2023 – Mar 2024 |
| <b>Student Initiative for Open Science</b> , Member                    | Jan 2021 – Oct 2022 |
| <b>University of Amsterdam</b> , Student Delegate                      | Sep 2020 – Sep 2022 |

## SKILLS

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|-------------------------|---|
| <b>Programming</b>      | R, Stan, Git, SQL, MPLUS, Python, 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 |

April 30<sup>th</sup>, 2025

