

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	Oct 2023 – present <i>Cambridge, UK</i>
University of Amsterdam Master of Science, Psychological Research (cum laude)	Sep 2020 – Sep 2022 <i>Amsterdam, The Netherlands</i>
University of Leeds Erasmus Semester, Psychology (first)	Jan 2020 – Aug 2020 <i>Leeds, UK</i>
Radboud University Bachelor of Science (Honours), Psychology (cum laude)	Sep 2017 – Sep 2020 <i>Nijmegen, The Netherlands</i>

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

Van der Cruyssen, I., Ben-Shakhar, G., Pertzov, Y., Guy, N., Cabooter, Q., **Gunschera, L.J.**, Verschuere, B. (2023). The validation of online webcam-based eye-tracking: The replication of the cascade effect, the novelty preference, and the visual world paradigm. *Behavior Research Methods*. doi.org/10.3758/s13428-023-02221-2

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

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.

ACADEMIC POSITIONS

University of Cambridge – Cognition and Brain Sciences Unit PhD Student (full time)	Oct 2023 – present <i>Cambridge, UK</i>
Research examining cognitive signatures of risk and resilience for the relationship between digital media and well-being, combining computational modeling and longitudinal approaches. <i>Supervision: Amy Orben</i> .	
University of Cambridge – Cognition and Brain Sciences Unit Postgraduate Research Assistant (full time)	Oct 2022 – Oct 2023 <i>Cambridge, UK</i>
Research focused on the impact of digital technologies on wellbeing, examining reinforcement learning, habitual tendencies, and isolation in large social media datasets. <i>Supervision: Amy Orben</i> .	
University of Oxford Research Assistant (part time)	Nov 2021 – Nov 2022 <i>Oxford, UK</i>
Research on selective attention and learning deficits in psychopathic individuals and potential downstream consequences for decision-making and behavioural inhibition. <i>Supervision: Elaine Fox & Robin Murphy</i> .	
University of Amsterdam Teaching Assistant (part time)	Sep 2021 – Oct 2022 <i>Amsterdam, The Netherlands</i>
Courses: Addiction and compulsive disorders, scientific writing and presenting, meta-analysis	

University of Amsterdam – Habit Lab
Research Assistant (part time)

Jul 2021 – Oct 2022
Amsterdam, The Netherlands

Managed and co-led a large longitudinal collaboration examining developmental trajectories of habits in Amsterdam, Cambridge, Helsinki, and Konstanz. Worked on projects examining habits and their relevance to social media use and clinical conditions. *Supervision: Sanne de Wit*

University of Amsterdam – Lie Lab
Research Assistant and Intern (part time)

Feb 2021 – Dec 2021
Amsterdam, The Netherlands

Research on antisocial behaviour, eye-tracking, and detection of lies in community and offender samples. *Supervision: Bruno Verschuere.*

VISITING POSITIONS

University of Rotterdam
Visiting Researcher

Jun 2024 – Jun 2024
Rotterdam, The Netherlands

University of Oxford
Visiting Researcher (full time)

Oct 2019 – Nov 2019
Oxford, UK

INVITED TALKS

Cognitive phenotypes of social media risk and resilience
SO-REBEL & SYNC research groups, Rotterdam

June 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 (NIP)

Feb 2023
Online

PLACEMENTS

Radboud University
Honours Programme

Sep 2018 – Sep 2020
Nijmegen, The Netherlands

Radboud University
Interdisciplinary Honours Programme

Jan 2018 – Jul 2018
Nijmegen, The Netherlands

AWARDS AND RECOGNITIONS

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

PUBLIC ENGAGEMENT

Notes on Science
Co-Founder

2024
Cambridge, UK

Cambridge WHO Simulation
Committee Member

2024
Cambridge, UK

Summer CAMP
Supervisor

2024
Cambridge, UK

Pint of Science
Organising Member

2024
Cambridge, UK

Open Science Day MRC Cognition and Brain Sciences Unit
Co-Organiser

14 Mar 2024
Cambridge, UK

PROFESSIONAL AFFILIATIONS

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

SKILLS

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

June 21st, 2024

