

LUKAS J. GUNSCHERA

MRC Cognition and Brain Sciences Unit
University of Cambridge
United Kingdom

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EDUCATION

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| 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., 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

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.

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

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.

Gunschera, L.J., Dutton, K., Fox, E., Temple-McCune, A., Murphy, R. [In preparation]. Overburdening associations: The dependency of psychopathy related acquisitional learning deficits on processing load. *Preprint available*.

ACADEMIC POSITIONS

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| University of Cambridge – Cognition and Brain Sciences Unit PhD Student | Oct 2023 – present <i>Cambridge, UK</i> |
| Research examining cognitive risk and protective factors for the relationship between technology and wellbeing, using approaches from computational neuroscience and longitudinal modeling. <i>Supervision: Amy Orben</i> . | |
| University of Cambridge – Cognition and Brain Sciences Unit Postgraduate Research Assistant (full time) | Feb 2022 – Oct 2022 <i>Amsterdam, The Netherlands</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 Amsterdam Teaching Assistant (part time) | Jul 2021 – Oct 2022 <i>Amsterdam, The Netherlands</i> |
| Addiction and compulsive disorders, Scientific writing and presenting, Meta-analysis | |
| University of Oxford Research Assistant (part time) | Nov 2021 – Oct 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 – Habit Lab
Research Assistant (part time)

Feb 2021 – Dec 2021
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 focused on detection of lies utilizing concealed information test and eye-tracking data. Research into antisocial behaviour in community and offender samples. *Supervision: Bruno Verschuere*

VISITING POSITIONS

University of Oxford
Visiting Researcher

Oct 2019 – Nov 2019
Oxford, UK

INVITED TALKS

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

American Psychological Association, Editor's Choice Award

Sep 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

PROFESSIONAL AFFILIATIONS

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

Society for the Improvement of Psychological Science, Member

Mar 2023 - present

Psychonomic Society, Member

Jul 2022 - present

Student Initiative for Open Science, Member

Jan 2021 – Oct 2022

University of Amsterdam, Student Delegate

Sep 2020 – Sep 2022

SKILLS

Programming R, SQL, Python, 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

December 11th, 2023

