

# LUKAS J. GUNSCHERA

MRC Cognition and Brain Sciences Unit  
University of Cambridge  
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## EDUCATION

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<b>University of Cambridge – Cognition and Brain Sciences Unit</b> PhD, Medical Science	October 2023 – present <i>Cambridge, UK</i>
<b>University of Amsterdam</b> Master of Science, Psychological Research (cum laude)	September 2020 – September 2022 <i>Amsterdam, The Netherlands</i>
<b>University of Leeds</b> Erasmus Semester, Psychology (first)	January 2020 – August 2020 <i>Leeds, UK</i>
<b>Radboud University</b> Bachelor of Science (Honours), Psychology (cum laude)	September 2017 – September 2020 <i>Nijmegen, The Netherlands</i>

## PUBLICATIONS

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**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

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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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<b>University of Cambridge – Cognition and Brain Sciences Unit</b> 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> .	
<b>University of Cambridge – Cognition and Brain Sciences Unit</b> 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> .	
<b>University of Amsterdam</b> Teaching Assistant (part time)	Jul 2021 – Oct 2022 <i>Amsterdam, The Netherlands</i>
Addiction and compulsive disorders, Scientific writing and presenting, Meta-analysis	
<b>University of Oxford</b> 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 &amp; 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

September 2023

Thesis Award, Netherlands Institute of Psychologists

March 2023

Radboud Honours Academy, Honours Bachelor

September 2020

Radboud Honours Academy, Honours Interdisciplinary

September 2018

Radboud University, Propedeuse cum laude

September 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 11<sup>th</sup>, 2023

