

# BSc MSc Adam Coates

✉ adam.coates@uni-graz.at

☎ +4367762374084

📍 Graz, Styria, Austria

<https://orcid.org/0000-0002-4004-1603>

## Education

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2021-present	PhD Student	University of Graz, Austria
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- Research Group: "Neural basis of Subjective Visual Perception"
- Research interests: Claustrum, 7-Tesla fMRI, neural correlates of subjective visual perception and illusions, consciousness
- Courses: Principles of Statistical Learning with Applications in R, Experimental Cognitive Psychology, Seminar for Postgraduates, Neuroscience School of Advanced Studies: Consciousness

2019-2020	MSc Cognitive Psychology Distinction	Keele University, UK
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- Dissertation: The multi-stage time-course of amodal completion shown through multivariate pattern analysis of EEG data

Modules include: Advanced study in Cognitive Psychology (72%); Advanced Research Skills and Design (78%); Advanced Quantitative data analysis (79%); Advanced Cognitive Neuroscience research methods (75%); Contemporary Research in Psychology (78%); Research Apprenticeship in Psychology (65%); Dissertation (78%)

2015-2019	BSc Psychology (with Foundation Year) 1 <sup>st</sup> Class Honours Degree	Keele University, UK
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- Dissertation: The Role of Concurrent Auditory Stimuli on the Perception of the Peripheral Flicker Illusion

Course modules cover a range of topics: Key Readings in Cognitive Psychology (63%); Research Methods (73.5%); Biological and Cognitive Research Methods (64%); Happiness and Wellbeing (78%); Culture and Psychology (81%); Individual differences and Conceptual issues (72%)

2013-2015	A Levels	KGV College, Southport, UK
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- Biology; Psychology; Sociology

2008-2013	GCSEs	Christ the King, Southport, UK
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- English Literature (A); English Language (B); Maths (B); Science (B); Additional Science (A)
- A-D in Spanish, Music, Geography, Business, RE, ICT

## Awards and Scholarship

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- 2021 – FFG Career Grant, *The Austrian Research Promotion Agency (FFG)*
  - 2019 – Ede and Ravenscroft scholarship
  - 2018-2019 – James Hartley Prize: For producing the best undergraduate dissertation

## Submitted Publications and Preprints

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Coates, A., & Zaretskaya, N. (2024). High-resolution dataset of manual claustrum segmentation. *Data in Brief*, 110253. <https://doi.org/10.1016/j.dib.2024.110253>

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Coates, A., Linhardt, D., Windischberger, C., Ischebeck, A., & Zaretskaya, N. (2023). High-resolution 7T fMRI reveals the visual sensory zone of the human claustrum. *bioRxiv*, 2023-09.

## **Supervision**

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- Elias Märzendorfer – internship student
- Stefan Hödl – internship student
- Maximilian Gerschütz – internship student

## **Presentations**

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Clastrum responses to natural video stimuli are driven by visual contrast.  
Meerscheinschlössl Graz. 2023. Research: Poster presentation

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Clastrum responses to natural video stimuli are driven by visual contrast.  
Organization for Human Brain Mapping. Palais des congrès de Montréal, Canada. 2023. Poster presentation

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Coates, Adam; Linhardt, David; Windischberger, Christian; Ischebeck, Anja; Zaretskaya, Natalia  
High-resolution 7T fMRI reveals the Visual Sensory Zone of the Human Claustrum.  
Society for Neuroscience. San Diego, CA. 2022. Poster presentation

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The role of the Human Claustrum in Subjective Visual Perception.  
Schloss Seggau Leibnitz. BioTechMed-Graz Young Investigator Retreat. 2021. Poster presentation

## **Journal Reviewing**

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- Communications Biology
- Human Brain Mapping

## **Work Experience**

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2021-present	Research Assistant	University of Graz, Austria
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- 30hr/week in fulfilment of the Research Project: “Neural Correlates of Subjective Visual Perception”

2021	Essay grading module for Cognitive Neuroscience	Keele University, UK
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- Grading 2<sup>nd</sup> year student essays for the module PSY-20023: Cognitive Neuroscience

## **References**

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Dr. Natalia Zaretskaya (PhD Supervisor)

📍 University of Graz, Universitätsplatz 2

✉ natalia.zaretskaya@uni-graz.at

☎ +43 316380 – 5117

Dr. Joseph Brooks (BSc/ MSc Dissertation Supervisor)

📍 Keele University, Dorothy Hodgkin, DH1.74

✉ j.l.brooks@keele.ac.uk

☎ +44 1782 732963