

Adam Coates

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Employment

Research Assistant, University of Graz, Austria current

Essay grading, Keele University, UK 2021

Grading 2nd year student essays for the module PSY-20023: Cognitive Neuroscience

Education

PhD student University of Graz current

Research Group: “Neural basis of Subjective Visual Perception”

Research interests: Claustrum, 7-Tesla fMRI, neural correlates of subjective visual perception and illusions, consciousness

MSc Cognitive Psychology, Keele University *Distinction* 2020

Dissertation: The multi-stage time-course of amodal completion shown through multivariate pattern analysis of EEG data

BSc Psychology, Keele University, *1st class Hons.* 2019

Dissertation: The Role of Concurrent Auditory Stimuli on the Perception of the Peripheral Flicker Illusion

Publications

Coates, A., Linhardt, D., Windischberger, C., Ischebeck, A., & Zaretskaya, N. (2024). High-resolution 7T fMRI reveals the visual zone of the human claustrum. *Imaging Neuroscience*, 2, 1–15. https://doi.org/10.1162/imag_a_00327

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>

Awards and Scholarship

Dimitrov Scholarship, Österreichische Akademie der Wissenschaften 2024

FFG Career Grant, The Austrian Research Promotion Agency (FFG) 2021

Ede and Ravenscroft scholarship 2019

James Hartley Prize: For producing the best undergraduate dissertation 2019

Presentations

- Coates, A., Sedlmayr, P., Wastian, A., Mayrhofer, H., Bartles, A., Linhardt, D., Windischberger, C., Ischebeck, A., & Zaretskaya, N. (2024). *Visual responses in the human claustrum*. Claustrum society.
- Coates, A., Sedlmayr, P., Wastian, A., Mayrhofer, H., Bartles, A., Linhardt, D., Windischberger, C., Ischebeck, A., & Zaretskaya, N. (2024). *Visual responses in the human claustrum are associated with subjective ratings of arousal*. Society for neuroscience.
- Coates, A., Sedlmayr, P., Wastian, A., Mayrhofer, H., Bartles, A., Linhardt, D., Windischberger, C., Ischebeck, A., & Zaretskaya, N. (2024). *Visual responses in the human claustrum are associated with subjective ratings of arousal*. Inge.st.
- Coates, A., Bartles, A., Linhardt, D., Windischberger, C., Ischebeck, A., & Zaretskaya, N. (2023). *Claustrum responses to natural video stimuli are driven by visual contrast*. Organization of human brain mapping.
- Coates, A., Bartles, A., Linhardt, D., Windischberger, C., Ischebeck, A., & Zaretskaya, N. (2023). *Claustrum responses to natural video stimuli are driven by visual contrast*. Inge.st.
- Coates, A., Linhardt, D., Windischberger, C., Ischebeck, A., & Zaretskaya, N. (2022). *High-resolution 7T fMRI reveals the visual sensory zone of the human claustrum*. Society for neuroscience.
- Coates, A., Linhardt, D., Windischberger, C., Ischebeck, A., & Zaretskaya, N. (2021). *The role of the human claustrum in subjective visual perception*. BioTechMed-graz young investigator retreat.

References

Dr. Natalia Zaretskaya (PhD Supervisor)

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Dr. Joseph Brooks (BSc/ MSc Dissertation Supervisor)

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