

ALESSANDRO THOMAS GIFFORD

Computational Neuroscientist

Berlin, Germany



EDUCATION

- 2018 - 2019 **Thesis Research Internship**
Freie Universität Berlin, Berlin, Germany
Advisors: Daniel Kaiser, Radoslaw M. Cichy
- 2017 - 2019 **MSc Cognitive Neuroscience**
CIMEC, Rovereto, Italy
Advisors: Daniel Kaiser, Radoslaw M. Cichy, Scott L. Fairhall
- 2016 - 2017 **Philosophy Exchange Student**
University of John Paul II, Kraków, Poland
- 2014 - 2017 **BA Philosophy**
University of Trento, Trento, Italy
Advisors: Carlo Brentari, Paola Giacomoni

RESEARCH EXPERIENCE

- 2019 - now **PhD in Cognitive Computational Visual Neuroscience**
Freie Universität Berlin, Berlin, Germany
Advisor: Radoslaw M. Cichy
- 2022 **Organization of the Algonauts Project 2023 Challenge**
University of Minnesota, Minneapolis, MN, USA
Advisors: Kendrick Kay, Radoslaw M. Cichy
- 2021 **Research Project in Brain Computer Interface Technology**
Charité - Universitätsmedizin Berlin, Berlin, Germany
Advisor: Surjo Soekadar

MEMBERSHIPS & AFFILIATIONS

- 2021 - now Bernstein Center for Computational Neuroscience, Berlin, Germany
- 2020 - now Einstein Center for Neurosciences, Berlin, Germany

AWARDS AND FUNDING

- 2023 National Eye Institute Early Career Scientist Travel Grant
- 2020 - 2023 Einstein Center for Neurosciences PhD scholarship

PEER-REVIEWED ARTICLES

- 2022 **Gifford AT**, Dwivedi K, Roig G, Cichy RM. 2022. A large and rich EEG dataset for modeling human visual object recognition. *NeuroImage*, 264:119754. DOI: <https://doi.org/10.1016/j.neuroimage.2022.119754>

PREPRINTS

- 2023 Lahner B, Dwivedi K, Iamshchinina P, Graumann M, Lascelles A, Roig G, **Gifford AT**, Pan B, Jin S, Ratan Murty NA, Kay K, Oliva A, Cichy RM. 2023. BOLD Moments: modeling short visual events through a video fMRI dataset and metadata. bioRxiv, 2023-03. DOI: <https://doi.org/10.1101/2023.03.12.530887>
- 2022 **Gifford AT**, Lahner B, Saba-Sadiya S, Vilas MG, Lascelles A, Oliva A, Kay K, Roig G, Cichy RM. 2023. The Algonauts Project 2023 Challenge: How the Human Brain Makes Sense of Natural Scenes. arXiv preprint, arXiv:2301.03198. DOI: <https://doi.org/10.48550/arXiv.2301.03198>

DATASETS

- 2023 Lahner B, Dwivedi K, Iamshchinina P, Graumann M, Lascelles A, Roig G, **Gifford AT**, Pan B, Jin S, Ratan Murty NA, Kay K, Oliva A, Cichy RM. 2023. BOLD Moments: modeling short visual events

through a video fMRI dataset and metadata. DOI:
<https://doi.org/10.1101/2023.03.12.530887>

2022 **Gifford AT**, Dwivedi K, Roig G, Cichy RM. 2022. A large and rich EEG dataset for modeling human visual object recognition. DOI:
<https://doi.org/10.17605/OSF.IO/3JK45>

TALKS & POSTER PRESENTATIONS

2023 **Poster presentation**, Neuro-AI-talks (NEAT), Osnabrück, DE. September 2023. Title: A large and rich EEG dataset for modeling human visual object recognition.

Talk, Cognitive Computational Neuroscience (CCN) conference, Oxford, UK. August 2023. Title: The Algonauts Project 2023 Challenge: How the Human Brain Makes Sense of Natural Scenes.

Talk, Vision Sciences Society (VSS) conference, St. Pete Beach, FL, USA. May 2023. Title: A large and rich EEG dataset for modeling human visual object recognition.

2022 **Poster presentation**, Cognitive Computational Neuroscience (CCN) conference, San Francisco, CA, USA. August 2022. Title: A large and rich EEG dataset for modeling human visual object recognition.

MENTORED STUDENTS

2024 Andreea-Maria Gui (Pre-Doc Internship)

2024 Lorenzo Stroppa (MSc Internship)

2023 Todd Hagen (MSc Internship)

2022 Özkan Hüseyincan (Internship)

2021 Andrei Kitaitsev (MSc thesis)

ACADEMIC PEER REVIEWING

2024	Nature Communications
2023	Cerebral Cortex
2023	NeuroImage
2022	NeuroImage

ACADEMIC REFERENCES

Radoslaw Martin Cichy, Prof.

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Department of Psychology and Education
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14195, Berlin, Germany
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Kendrick Kay, Prof.

Research Group Leader
University of Minnesota
Center for Magnetic Resonance Research (CMRR)
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