

Micah Allen, PhD
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ACADEMIC POSITIONS

2022-2026 Professor of Computational Neuroscience and Psychiatry, Aarhus University, Institute of Clinical Medicine.
2019-2026 Honorary Senior Research Fellow, Cambridge Psychiatry, University of Cambridge.
2019-2022 Associate Professor, Aarhus Institute of Advanced Studies, Aarhus University.
2018-2019 Research Associate, Cambridge Psychiatry, University of Cambridge.
2013-2018 Research Associate, Wellcome Centre for Human Neuroimaging, UCL.
2012-2013 Postdoc, Center of Functionally Integrative Neuroscience, Aarhus University.

EDUCATION

2009-2012 PhD in Health & Neuroscience, Aarhus University
2008-2009 MA in Philosophy and Cognitive Science, University of Hertfordshire
2004-2008 BSc in Experimental Psychology, University of Central Florida

SCIENTIFIC FOCUS

My research combines methods from neuroimaging, computational neuroscience, and machine learning understand brain-body interaction, interoception, and psychiatric disorders. In particular, we develop psychophysiological measures to quantify brain-body interaction, as well as computational techniques for quantifying and predicting mental illness from neurobiological, behavioral, and subjective measures. I am interested in both basic and applied research, with a particular focus in understanding behavioral and pharmacological interventions for mental illness and health-harming disorders. My lab pursues a translational and multi-level approach to brain-body interaction including the use of animal and human models, psychiatric populations, and pharmacological intervention.

RESEARCH FUNDING

Year of Award	Amount (EUR)	Award Information
2021	1,500,000	ERC Starting Grant – <i>Cannabodies: Mapping the Influence of Cannabinoids on the Embodied Mind</i> . (PI)
2019	1,345,000	Lundbeckfonden Fellowship. <i>The Visceral Mind: An Embodied Approach to Computational Psychiatry</i> (PI)
2019	480,000	AIAS-COFUND Junior Fellowship (PI)
2012	20,000	Transitional Postdoctoral Fellowship, Aarhus University Research Foundation.
2011	8,000	AUFF Travel Award. For 6 months research visit to UCL, Aarhus University, Dept. Clinical Medicine.
2010	13,000	Varela Award: “Meta-cognitive monitoring as a mechanism for adaptive change”. Mind & Life Organization, Garrison NY. (PI)
2009	222,000	3-year PhD Scholarship, Aarhus University, Dept. Clinical Medicine.
Total Funding:	3,588,000€	

AWARDS AND HONORS

2019 Early Career Award. *British Association for Cognitive Neuroscience*.
2012 Henry Outstanding Science Outreach Award. *CFIN, Aarhus University*.

MANAGEMENT EXPERIENCE AND RESEARCH TRAINEES

As the Principal Investigator of the Embodied Computation, I lead a team of 4 postdoctoral Fellows, 1 MD-PhD student, 5 full-time RAs, and regularly supervise bachelors and masters' theses in Cognitive Science and Medicine. In our sister lab at Cambridge Psychiatry, I further supervise 2 PhD students and 3 Research Assistants. Throughout my career at Aarhus University, UCL, and Cambridge I have mentored dozens of students, graduate thesis projects, and research assistants.

INTERNATIONAL RELATIONS

I am an Honorary Senior Research Fellow at Cambridge Psychiatry, where I maintain an active secondary research group applying our methods and models to psychiatric patient groups. My network of core collaborators includes world-leading researchers at Cambridge, UCL, and ETH Zurich. I also support collaborations around the world investigating psychiatric and neurological disruptions of mental health and interoceptive function.

PROFESSIONAL ACTIVITIES

Community Leadership Roles:

2022 - Speaker, Neuroscience Academy Denmark, ***Brain States and Brain-Body Interactions Thematic Column***.

Grant Reviewing: Swiss National Science Foundation, German Research Foundation (DFG), FRNS, Belgian Science Foundation, Dutch National Science Foundation, Israeli Science Foundation, European Research Council (Starting and Consolidator level), French National Research Agency,

Journal Reviewing, open record at: <https://publons.com/author/1269405/micah-allen#profile>, PNAS, Nature Communications, Nature Human Behavior, Brain, Cerebral Cortex, Biological Psychiatry, Current Biology, Journal of Neuroscience, eLife, Neuroimage, Cortex, Social Cognitive and Affective Neuroscience, Perspectives in Psychological Science, Acta Physiologica, Consciousness and Cognition, Developmental Cognitive Neuroscience, Neuroscience of Consciousness.

Professional Societies: Association for the Scientific Study of Consciousness (ASSC), Vision Sciences Society, Society for Neuroscience (SFN), Cognitive Neuroscience Society (CNS) Organization for Human Brain Mapping (OHBM)

PUBLICATION RECORD

Publication Statistics:

Total Citations: 3514;

H-Index: 25

Representative Recent Publications

Full record available:

<https://scholar.google.com/citations?user=C49AeHAAAAAJ&hl=en>

Legrand, N., Engen, S. S., Correa, C. M. C., Mathiasen, N. K., Nikolova, N., Fardo, F., & Allen, M. (2021). Emotional metacognition: stimulus valence modulates cardiac arousal and metamemory. *Cognition and Emotion*, 35(4), 705-721.

Allen, M. (2020). Unravelling the neurobiology of interoceptive inference. *Trends in Cognitive Sciences*, 24(4), 265-266.

Allen, M., Poggiali, D., Whitaker, K., Marshall, T. R., & Kievit, R. A. (2019). Raincloud plots: a multi-platform tool for robust data visualization. *Wellcome Open Research*, 4.

Hauser, T. U., Allen, M., Purg, N., Moutoussis, M., Rees, G., & Dolan, R. J. (2017). Noradrenaline blockade specifically enhances metacognitive performance. *Elife*, 6, e24901

Allen, M., Frank, D., Schwarzkopf, D. S., Fardo, F., Winston, J. S., Hauser, T. U., & Rees, G. (2016). Unexpected arousal modulates the influence of sensory noise on confidence. *Elife*, 5, e18103.