

# Mario Bogdanov, PhD. | Curriculum Vitae

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## CONTACT INFORMATION

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## EDUCATION

10/2014 – 11/2017 Ph.D. student (Dr. rer. nat.) in the Department of Cognitive Psychology, University of Hamburg, Supervisor: Prof. Dr. Lars Schwabe

10/2011 - 03/2014 M.Sc. in Psychology, University of Bielefeld, Germany

10/2008 – 09/2011 B.Sc. in Psychology, University of Bielefeld, Germany

## RESEARCH EXPERIENCE

11/2022 – present Postdoctoral research fellow at McLean Hospital and the Department of Psychiatry, Harvard Medical School, Supervisor: Prof. Diego A. Pizzagalli, PhD

10/2018 – 10/2022 Postdoctoral fellow at the Department of Psychology and the Department of Neurology and Neurosurgery, McGill University  
Supervisors: Prof. A. Ross Otto, PhD and Prof. Madeleine Sharp, MD

11/2017 – 09/2018 Postdoctoral fellow in the Department of Cognitive Psychology, University of Hamburg, Supervisor: Prof. Dr. Lars Schwabe

10/2014 – 11/2017 Ph.D. student in the Department of Cognitive Psychology, University of Hamburg, Supervisor: Prof. Dr. Lars Schwabe

03/2013 - 04/2013 Research Internship, Human Neuropsychology & Cognitive Science Lab, University of Toronto, Supervisor: Prof. Morris Moscovitch, PhD

08/2012 - 09/2012 Research Internship, Center for Visual Attention, University of Copenhagen, Supervisors: Prof. Dr. Claus Bundesen and Prof. Dr. Thomas Habekost

10/2011 - 01/2012 Research Assistant, Department of Physiological Psychology, Bielefeld University

04/2011 - 07/2011 Research Internship, Department of Physiological Psychology and Center of Excellence Cognitive Interaction Technology (CITEC), Bielefeld University, Supervisors: Prof. Dr. Hans J. Markowitsch and Prof. Dr. Martina Piefke

## PUBLICATIONS

**Bogdanov, M.**, LoParco, S., Otto, A. R., and Sharp, M. (2022). Dopaminergic medication increases motivation to exert cognitive control by reducing subjective effort costs in Parkinson's patients. *Neurobiology of Learning and Memory*. 193:107652.

**Bogdanov, M.\***, Renault, H.\*, LoParco, S., Weinberg, A., and Otto, A. R. (2022). Cognitive effort exertion enhances electrophysiological responses to rewarding outcomes. *Cerebral Cortex*, bhab480.

**Bogdanov, M.**, Nitschke, J.P., LoParco, S., Bartz, J., and Otto, A.R. (2021). Acute psychosocial stress increases cognitive effort aversion. *Psychological Science*, 09567976211005465.

**Bogdanov, M.**, Timmermann, J.E., Gläscher, J., Hummel, F.C., and Schwabe, L. (2018). Causal role of the inferolateral prefrontal cortex in balancing goal-directed and habitual behavior. *Scientific Reports*, 8:9382.

Wirz, L., **Bogdanov, M.**, and Schwabe, L. (2018). Habits under stress: mechanistic insights across different types of learning. *Current Opinion in Behavioral Sciences*, 20, 9-16.

**Bogdanov, M.**, Ruff, C.C., and Schwabe, L. (2017). Transcranial stimulation over the dorsolateral prefrontal cortex increases the impact of past expenses on decision-making. *Cerebral Cortex*, 27, 1094-1102.

**Bogdanov, M.**, and Schwabe, L. (2016). Transcranial stimulation of the dorsolateral prefrontal cortex prevents stress-induced working memory deficits. *The Journal of Neuroscience*, 36, 1429-1437.

## ***Manuscripts in preparation***

**Bogdanov, M.**, Hawari, L., Suissa-Rochelleau, L., and Sharp, M. (in prep). Impaired working memory performance after stress in older adults following an online stress induction protocol.

Nitschke, J. P., **Bogdanov, M.**, Bartz, J., and Otto, A. R. (in prep). The effects of acute stress on social decision-making in a judgmental bias task.

Kluehn, L. M., **Bogdanov, M.**, and Schwabe, L. (in prep.). Acute stress acts as a safeguard against social influence in risky decision-making.

**Bogdanov, M.**, and Schwabe, L. (in prep). Electrophysiological correlates of stress-induced impairments in episodic memory retrieval.

## FELLOWSHIPS, AWARDS AND HONORS

2022	CRBLM Research Incubator Award (postdoctoral co-applicant) – 10,000\$CAD
2020 - 2022	Postdoctoral fellowship (2.5 years), German Research Foundation (DFG) – 98,000.00€
2020	Postdoctoral research scholarship (B3X), Fonds de recherche nature et technologies (FRQ-NT) Québec – 90,000\$CAD (declined)

2020	CRBLM Research Incubator Award (postdoctoral co-applicant) – 7,800\$CAD
2019	Postdoctoral fellowship (six months), German Academic Exchange Service (DAAD) – 18,440.00€
2019	Fellowship to attend the 2019 Neuroeconomics Summer School at NYU Shanghai – 2,000.00\$US
2017/2018	PhD fellowship (six months), Hamburg University – 7,800.00€
2017	Poster Prize, German Society of Psychophysiology and its Applications (DGPA), “Psychology and the Brain”- conference, Trier, Germany – 300.00€
2016	Poster Prize, German Psychological Society (DGPs), section Psychobiology and Neuropsychology, “Psychology and the Brain”- conference, Berlin, Germany – 300.00€
2013	PROMOS Travel Grand, German Academic Exchange Service (DAAD) to visit the University of Toronto – 1,450.00€
2012	PROMOS Travel Grand, German Academic Exchange Service (DAAD) to visit the University of Copenhagen – 425.00€

#### **ABSTRACTS, CONFERENCE PRESENTATIONS AND INVITED TALKS**

2022	5 <sup>th</sup> Multidisciplinary Conference on Reinforcement Learning and Decision Making (RLDM). Brown University, Providence RI, USA (Poster).
2021	Neuroscience (SfN). Virtual Meeting (Poster).
2021	SPR (Annual Meeting of the Society for Psychophysiological Research). Virtual Meeting. (Poster).
2021	2 <sup>nd</sup> Workshop on Mental Effort. Virtual Meeting. (Poster).
2021	Washington University in St. Louis (Control and Decision Making Lab). (Invited Talk).
2021	22 <sup>nd</sup> Neuropsychology Day (The Neuro, Montréal, QC). Virtual Meeting. (Invited Talk).
2020	CogSci (Conference of the Cognitive Science Society). Virtual Meeting. (Poster).
2020	Organizer of a symposium on effort-based decision-making at the 2020 “Psychology and the Brain” conference. Freiburg, Germany (cancelled due to COVID-19).
2019	Neuroeconomics Summer School (NYU Shanghai). (Poster).
2017	Neuroscience (SfN). Washington, D.C., USA (Poster).
2017	43 <sup>rd</sup> “Psychology and the Brain” conference. Trier, Germany (Poster).
2016	6th International Conference on Memory (ICOM6). Budapest, Hungary (Poster). 42 <sup>nd</sup> conference “Psychology and the Brain”. Berlin, Germany (Poster).

- 2015 European Brain Behaviour Society (EBBS) & European Behavioural Pharmacology Society (EBPS) Joint Meeting. Verona, Italy (Poster).
- 2012 Conference “Linking selection for visual perception, memory and action”. Center for Interdisciplinary Research (ZiF), Bielefeld, Germany (Poster).

## REVIEWING EXPERIENCE

- Associate editor: *Advances in Cognitive Psychology*
- Ad-hoc reviewer: *BMC, Cerebral Cortex, Clinical Psychological Science, Cognitive Neuroscience, Cognitive Affective and Behavioral Neuroscience, Cortex, Frontiers in Psychology, International Journal of Psychophysiology, Journal of Experimental Psychology: General, Journal of Cognitive Neuroscience, Journal of Neuroscience Psychology and Economics, PLOS One, Neurobiology of Learning and Memory, Neuropsychopharmacology, Neuroscience, Neuroscience Letters, Psychoneuroendocrinology, Scientific Reports*

## TEACHING EXPERIENCE

- 2017 Professions in Psychology (undergraduate lecture)  
Practical Research class (undergraduate seminar)
- 2016 Introduction to the Philosophy of Science and scientific methods (undergraduate lecture)  
General Psychology II (undergraduate seminar)  
Practical research class (undergraduate seminar)
- 2015 Theoretical research class (undergraduate seminar)  
Practical research class (undergraduate seminar)
- 2014 General Psychology II (undergraduate seminar)
- 2014 - current Supervisor of 14 Bachelor and Master Thesis Projects, as well as seminar and research class papers

## RESEARCH METHODS

Behavioral stress research (including cortisol analyses from saliva), Non-invasive brain stimulation (tDCS, neuronavigated TMS), EEG analysis (ERP and time-frequency analysis), Computational Modeling, Eye-Tracking, Data Analysis Software (Python, SPSS, R, SPM), basic programming skills (Python/PsychPy, MATLAB/PsychToolbox)

## **CONTACTS FOR REFERENCES**

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