

Alana Irene Darcher

TUM Computational Neuroengineering
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EDUCATION

Current	M.Sc.	Graduate School of Systemic Neurosciences Ludwig-Maximilians-Universität, Munich, Germany
2016	B.Sc.	Emory University, Atlanta, USA Neuroscience & Behavioral Biology, Philosophy
2012	A.A.S.	Clatsop Community College, Astoria, USA General Science, Physics and Calculus concentration Graduated with high honors Concurrent with high school enrollment

SELECTED PUBLICATIONS AND PAPERS

Mascaro, J.S., Wehrmeyer, K., Mahathre, V., **Darcher, A.** A longitudinal, randomized and controlled study of app-delivered mindfulness in the workplace: Who practices, what are the benefits? *In preparation*.

Mascaro, J.S., Rentscher, K., Hackett, P.D., **Darcher, A.**, Rilling, J.K., Mehl, M. (2018) Androgen signaling is correlated with men's everyday language. *Am. J. Hum. Bio.* doi: 10.1002/ajhb.23136

Mascaro, J.S., Kelley, S., **Darcher, A.**, Negi, L.T., Worthman, C., Miller, A.H., Raison, C.L. (2016) Meditation buffers medical student compassion from the deleterious effects of depression. *J. Positive Psych.* 13.2. Doi: 10.1080/17439760.2016.1233348

Mascaro, J.S., **Darcher, A.**, Negi, L.T., and Raison, C.L. (2015) The neural mediators of kindness based meditation: a theoretical model. *Front. Psychol.* 6:109. doi: 10.3389/fpsyg.2015.00109

Homolac, J., Abing, D., **Darcher, A.**, et al. (2012) *Technical Report: Explorer Class* (Marine Advanced Technology Education Remotely Operated Vehicle Competition). Web.

HONORS AND AWARDS

2018-Present	Bernstein Network of Computation Neuroscience SMARTSTART 1 Fellowship
2015-2016	W.C. McWhorter Family Grant
2012-2016	Emory College Grant
2014-15	Phi Sigma Tau Philosophy Honor Society Member, Emory University
2014	Collegiate Water Polo Association Scholar-Athlete Award
2012	All-Oregon Academic Team Member
2012	Coca-Cola Community College Academic Award and Scholarship
2012	All-USA Academic Team Member
2012	Phi Theta Kappa Honor Society Member, Clatsop Community College
2012	Valedictorian, Naselle Grays River High School

CONFERENCE PRESENTATIONS AND TALKS

Darcher, A. “Meditation as Medicine: Clinical Applications of Mindfulness Training.” Invited speaker, Healthy Academia Lecture Series, LMU-Munich, Germany, April 11, 2019.

Wehrmeyer, K., Mahathre, V., **Darcher, A.**, Mascaro, J.S. “Examining the biopsychosocial predictors of mindfulness meditation practice in a workplace environment.” American Public Health Association Annual Meeting & Expo, Atlanta, GA, Nov. 4-8, 2017.

Mascaro, J.S., Haack, C., **Darcher, A.**, Wehrmeyer, K., Mahathre, V. “Mindfulness Meditation for Healthcare Professionals.” American College of Preventive Medicine Annual Meeting, Washington, DC, May 23-26, 2017.

Mascaro, J.S., Kelley, S., **Darcher, A.**, Negi, L.T., Worthman, C., Miller, A., Raison, C. “Cognitively-Based Compassion Training (CBCT) for Medical Students: A Pilot Study.” Center for Mind, Brain, and Culture Annual Conference, Atlanta, GA, Feb. 11-12, 2016.

Mascaro, J.S., Kelley, S., **Darcher, A.**, Negi, L.T., Worthman, C., Miller, A., Raison, C. “The Impact of Compassion Training on Medical Student Well-Being and Immune Function.” Center for Mind, Brain, and Culture Annual Conference, Atlanta, GA, Feb. 11-12, 2016.

RESEARCH EXPERIENCE

March 2019- Current	Master’s Thesis Student, Technical Universität Munich Project: Computational models of neural dynamics in human visual memory PI: Prof. Dr. Jakob Macke, Computational Neuroengineering
Oct. 2018- March 2019	Research Internship, Max-Planck-Institute for Neurobiology PI: Dr. Nadine Gogolla, Molecular Neurobiology
Feb. 2018- Dec. 2019	Project Assistant, LMU-Munich Center for Information and Language Processing PI: Prof. Dr. Hinrich Schütze, Computational Linguistics
Oct. 2017- Feb. 2019	Research Assistant, Max-Planck-Institute for Psychiatry PI: Dr. Leonhard Schilbach, Social Neuroscience Research Group
May 2016- August 2017	Research Specialist, Emory University, Atlanta PI: Dr. Jennifer Mascaro, Department of Family and Preventive Medicine
May 2014- Sept. 2015	Clinical Research Assistant, Emory University, Atlanta PI: Dr. Jennifer Mascaro, Center for the Study of Human Health
Nov. 2013- Sept. 2015	Research Technician, Emory University, School of Medicine, Atlanta, PI: Prof. Dr. Inyeong Choi, Associate Professor, Department of Physiology

WORKSHOPS AND SUMMER SCHOOLS

June 2019 BRANDY School in Terzolas, Italy
Interdisciplinary Research on Brain Network Dynamics

March 2019 Interdisciplinary College in Günne, Germany
Out of Your Senses: From Data to Insight

SKILLS

Programming: Python, MATLAB, Git, Visual Basic (E-Prime, Excel), C++ basics
Python proficiencies: Keras, Tensorflow, Pandas, JupyterHub

Software: AWS, SPSS, Qualtrics, E-Prime, Presentation, SPM for MATLAB, AnyMaze, Blender

Methods: Fiber photometry, EEG, Eyetracking, fMRI, Cell Culturing, Two-photon analysis

Certifications: Bloodborne Pathogens in Research, Biosafety Level I & II, Rodent Surgery Practices, Animal Care and Maintenance, Human Subjects Protection Curriculum

LANGUAGES

English, native speaker
German, intermediate
Tibetan, elementary

PROFESSIONAL MEMBERSHIPS & AFFILIATIONS

Organization for Computational Neuroscience, USA
Max-Planck-Institute of Neurobiology Alumni Association, Germany
Bernstein Network/Volkswagen SMARTSTART, Student Representative, Germany
Bernstein Network for Computational Neuroscience, Germany
Center for Mind, Brain, and Culture (CMBC), Atlanta, GA