Sharif Ismail Kronemer

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Education & Training

National Institutes of Health – NIMH
Section on Functional Imaging Methods
Postdoctoral Fellow, October 2021 (*Present*)

Yale University
Interdepartmental Neuroscience Program
Ph.D. in *Neuroscience*, December 2021
Master of Philosophy in *Neuroscience*, May 2019

University College London (UCL)
Master of Science in *Cognitive Neuroscience*, August 2013
Mark: Distinction (highest mark)

Ohio Wesleyan University (OWU)
Bachelor of Arts, May 2012
Major: *Neuroscience*; Minor: *Philosophy*
GPA: 3.82

Funding and Scholarships

NINDS T32 *Neurobiology of Cortical Systems*: Competitively awarded to top Yale Ph.D. candidates investigating cortical networks – T32 NS007224. (2018-2019)

Yale University Conference Travel Award: Awarded for conference travel. (2018, 2019)

Gruber Foundation Graduate Fellowship: Awarded to the top ranked Yale University neuroscience PhD applicants for academic merit and research potential. (2015-2017)

NCAA Post-Graduate Scholarship: Awarded to 29 male student-athletes across all NCAA Divisions to cover graduate school tuition and fees. (2012-2013)

Theory-to-Practice Grant: OWU scholarship to fund research and travel costs to study water shortage and pollution in nine Chinese cities. (2010)

Clinton R. Stevenson Leadership Award: Awarded to one incoming OWU freshman and covers first year room and board costs. (2009)

Trustee Honors Scholarship: 2/3 of undergraduate tuition at OWU. (2008-2012)

Peer-Reviewed Publications

Khalaf, A., **Kronemer, S. I.**, Christison-Lagay, K., Kwon, H., Li, J., Wu, K., & Blumenfeld, H. (2022). Early neural activity changes associated with stimulus detection during visual conscious perception. *Cerebral Cortex*. https://doi.org/10.1093/cercor/bhac140

Joyce, R. M., Nadkarni, P. A., **Kronemer, S. I.**, Margron, M. J., Slapik, M. B., Morgan, O. P., Rosenthal, L. S., Onyike, C. U., & Marvel, C. L. (2022). Quality of life changes following the onset of cerebellar ataxia: Symptoms and concerns self-reported by ataxia patients and informants. *The Cerebellum*. https://doi.org/10.1007/s12311-022-01393-5

Kronemer, S. I., Slapik, M. B., Pietrowski, J. R., Margron, M. J., Morgan, O. P., Bakker, C., … Marvel, C. L. (2020). Neuropsychiatric symptoms as a reliable phenomenology of cerebellar ataxia. *The Cerebellum*. doi: 10.1007/s12311-020-01195-7

Morgan, O. P., Slapik, M. B., Iannuzzelli, K. G., LaConte, S. M, Lisinski, J. M., Nopoulos, P. C., … Marvel, C. L. (2020). The cerebellum and implicit sequencing: Evidence from cerebellar ataxia. *The Cerebellum*

Li, J., **Kronemer, S. I.**, Herman, W. X., Kwon, H., Ryu, J. R., Micek, C., … Blumenfeld, H., (2019). Default mode and visual network activity in an attention task: Direct measurement with intracranial EEG. *NeuroImage*, 201. doi: 10.1016/j.neuroimage.2019.07.016

Marvel, C. L., Morgan, O. P., & **Kronemer, S. I.** (2019). How the motor system integrates with working memory. *Neuro Biobeh Rev*, 102, 184-194. doi: 10.1016/j.neubiorev.2019.04.017

Herman, W. X., Smith, R. E., **Kronemer, S. I.**, Watsky, R. E., Chen, W. C., Gober, L. M., … Blumenfeld, H. (2019). A switch and wave of neuronal activity in the cerebral cortex during the first second of conscious perception. *Cerebral Cortex, 29*(2), 461-474. doi: 10.1093/cercor/bhx327

Slapik, M., **Kronemer, S. I.**, Morgan, O., Bloes, R., Lieberman, S., Mandel, J., … Marvel, C. (2019). Visuospatial organization and recall in cerebellar ataxia. *Cerebellum, 18*(1), 33-46. doi: 10.1007/s12311-018-0948-z

Kronemer, S. I., Mandel, J. A., Sacktor, N. C., & Marvel, C. L. (2017). Impairments of motor function while multitasking in HIV. *Front Hum Neurosci, 11*, 212. doi:10.3389/fnhum.2017.00212

Anderson, B.A., **Kronemer, S.I.**, Rilee, J.J., Sacktor, N., & Marvel, C.L. (2015). Reward, attention, and HIV-related risk in HIV+ individuals. *Neurobiology of Dis*. doi: 10.1016/j.nbd.2015.10.018

Liao, D., **Kronemer, S.I.**, Yau, J., Desmond, J., & Marvel, C. (2014). Motor system contributions to verbal and non-verbal working memory. *Frontiers in Human Neuroscience, 8*(753). doi: 10.3389/fnhum.2014.00753

Kronemer, S.I. & Yates, J. (2012). An undergraduate taught course on consciousness and mind. *The Journal of Undergraduate Neuroscience Education, 11*(1), A17-A21.

Kronemer, S.I. (2012). The Death of Expressed Personhood: A neuroscientific model to solve our greatest bioethical dilemmas. *Dialogue: Journal of International Honor Society for Philosophy*, *55*(1), 1-9.

Kronemer, S.I. (2012). The Death of Personhood and the Rise of the Expressed-Self: What neuroscience tells us about self and death. *Sapere Aude: The Wooster Journal of Philosophical Inquiry, Volume V*, 1-9.

Kronemer, S.I. (2011). Schopenhauer's and Nietzsche's Quest in a Godless World and the Will to Think That Drove Them. *Dialogue: Journal of International Honor Society for Philosophy*, *53*(2-3), 121-125.

Preprint Publications

Kronemer, S. I., Aksen, M., Ding, J., Ryu, J.H., Xin, Q., Ding, Z., … Blumenfeld, H. (2021). Brain networks in human conscious visual perception. *BioRxiv*. doi: https://doi.org/10.1101/2021.10.04.462661

Gusso, M. M., Christison-Lagay, K. L., Zuckerman, D., Chandrasekaran, G., **Kronemer, S. I.**, Ding, J. Z., Freedman, N. C., Nohama, P., & Blumenfeld, H. (2021). More than a feeling: scalp EEG and eye correlates of conscious tactile perception . *BioRxiv*. doi: https://doi.org/10.1101/2021.10.31.466706

Honors & Awards

Yale University Annie Le Fellowship: Awarded for leadership in research and community engagement, exemplifying the qualities emulated in the life and career of Annie Le. (2020)

Highlight Paper of *Dialogue* October 2012 Issue: Awarded to the most outstanding article in an issue of *Dialogue*, the journal of the international honor society for philosophy. (2013)

Academic All-American: Competitively awarded to top student-athletes nationwide (NCAA Division III) for excellence in athletics and academic achievement. (2012)

NCAC Don Hunsinger Award: North Coast Athletic Conference's top male athlete, based on athletic ability, academic record, and leadership potential. (2012)

Daniel E. Anderson Award: Awarded to one senior philosophy major or minor who exemplifies strong philosophic research. (2012)

Dale J. Bruce Presidential Scholar Athlete of the Year: OWU's top student athlete, based on athletic achievement and ability, academic excellence, character, and leadership philosophic research. (2012, 2011)

Invited Presentations

Yale Clinical Neuroimaging Symposium – *Transient increases in subcortical arousal and salience networks associated with conscious visual perception* (February 20, 2018)
Johns Hopkins University, Neurology HEAD Seminar Series – *Uncovering the Neural Mechanisms of Consciousness: Outstanding questions and obstacles* (May 14, 2018)

Conference Workshops

Association for the Scientific Study of Consciousness, Conference 22 *(Workshop organizer)* – *Investigating cortical and subcortical mechanisms of conscious perception*. (2018)

Leadership

Association for the Scientific Study of Consciousness – Committee Member, Chair: Three-year position on ASSC student committee. (2016-2018; Chair 2018-2019)
Graduate Student Assembly Representative: Elected to represent graduate students in the Interdepartmental Neuroscience Program at Yale University. (2017-2018)
Open Labs at Yale University – Director: Elected co-director of Open Labs, a science outreach organization at Yale University (theopenlabs.org). (2015-2018)

Student Body President: Elected to represent the Student Body and led the student government at OWU. (2011-2012; Vice President 2010-2011)

Teaching

NIH FAES Faculty – *The Neural Mechanisms of Consciousness: Implications in Medicine, Technology, and Society* *(NEUR/MEDI 305)*: Designed and taught 7-week course (2022)
NIH Summer Interns Journal Club – *Mystery, mirage, and mind: How illusions and neuroimaging reveal the working brain*: Designed and co-instructed 4-week journal club (2022)
NIH Course – *Scientists Teaching Science*: 9-week training course on teaching skills and strategies for collegiate teaching in the sciences (2022)
NIH Course – *Best Teaching Practices in Higher Education: Building a Learner-Centered Course from Principles to Practice*: 7-week training course on teaching skills and strategies for collegiate teaching in the sciences (2022)

Yale University Poorvu Public Communication Certificate (2021)
Yale University Certificate of College Teaching Preparation: Comprehensive teaching program for training in advanced and effective collegiate education. (2020)
Yale University Teaching Fellow – ***Neurobiology***, Prof. Haig Keshishian, Ph.D. (2020)
Yale University Pathways to Science – ***Consciousness: Science, Self, and Society***: Designed and taught 12-hour course on the philosophy and neuroscience of consciousness. (2016-2020)
Yale University Teaching Fellow – ***Neuroanatomy***, Prof. Michael Schwartz, Ph.D. (2018)
Yale University Teaching Fellow – ***Bioethics***, Prof. Charlie Greer, Ph.D. (2016-2017)
OWU Consciousness and Mind (*Psychology 499*) – Designed and taught 15-week course on the philosophy and neuroscience of consciousness to OWU undergraduates. Supervised by Prof. Jennifer Yates, Ph.D. (2011)

Science Outreach (2013-2022)

University programming – Keynote speaker
Yale Science Diplomats - Science in the News, Yale Science Diplomats - Flipped Science Fair, Yale EXPLO, Yale Young Global Scholars, Yale Synapse, Yale Pathways to Science, Yale Open Labs - Science Café, Yale Science at BAR, UCL Year 10 Debating Summer School, UCL Transition Program - Uni-Link

Public seminar series – Keynote speaker
Institute for Learning in Retirement (New Haven, CT), North Haven Public Library (New Haven, CT), Guilford Public Library (New Haven, CT), Branford Public Library (New Haven, CT), Barbican Centre - Brain Waves (London, UK)

Classroom visits
MBA High School (New Haven, CT), Co-op High School (New Haven, CT), Springbrook High School (Silver Spring, MD), Discovery High School (Lake Alfred, FL)

Mentorship

NIH Postbaccalaureate Research Assistant Mentor (2022)
Ohio Wesleyan University Real Life 101 Mentor Program (2021-2022)
Yale Biological & Biomedical Sciences Diversity & Inclusion Collective Mentor Program (2021)
Yale University Graduate Affiliate Program – Pierson College (2017-2021)

Ad Hoc Manuscript Review

Cognitive, Affective, and Behavioral Neuroscience
Consciousness and Cognition
Progress in Neurobiology
Yale Undergraduate Research Journal

Professional Memberships

2016 - American Association for the Advancement of Science
2015 - Association for the Scientific Study of Consciousness
2014 - Society for Neuroscience
2012 - Phi Beta Kappa

References are available upon request.