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EDUCATION

2016 – 2020	Doctorate of Philosophy, Neuroscience Program, University at Buffalo, Buffalo, NY Advisor: Sarah F. Muldoon, PhD Thesis: Variability in Healthy and Pathological Populations
2014 – 2016	Master of Arts, Biological Sciences, University at Buffalo, Buffalo, NY
2005 – 2009	Bachelor of Arts, Biology and Economics, University of Rochester, Rochester, NY Minors: Philosophy and International Relations

RESEARCH EXPERIENCE

2020 – Present	Georgia Institute of Technology , Postdoctoral Fellow, Dr. Dobromir Rahnev, School of Psychology
2016– 2020	SUNY-Buffalo , Doctoral Student, Dr. Sarah Muldoon, Neuroscience Program
2014 – 2016	SUNY-Buffalo , Research Assistant, Dr. David Shucard, Department of Neurology
June – Aug 2008	Harvard University , Research Assistant, Dr. Bruce Yankner, Department of Pathology
June – Aug 2007	Massachusetts Institute of Technology , Howard Hughes Summer Scholar, Dr. Catherine Drennan, Department of Chemistry
2006 – 2008	University of Rochester, Research Assistant, Dr. Ian Dickerson, Department of Neurobiology and Anatomy

OTHER EXPERIENCE

2012 – 2014	Center for Teaching and Learning in China, English Teacher, Shenzhen
2011 – 2012	Innovative Science Solutions, Scientific Analyst/Data Manager, Morristown, NJ

PUBLICATIONS

Nakuci J, Rafiei F, Safrin M, Wokke ME, Lau H, Rahnev D. High-frequency TMS desynchronizes global brain connectivity (*In preparation*).

Nakuci J, Yeon J, Kim J-H, Kim S-P, Rahnev D. Brain mechanisms of within-individual differences in performance (*In preparation*).

Nakuci J, Yeon J, Kim J-H, Kim S-P, Rahnev D. Brain connectivity profiles associated with perceptual task performance (*In preparation*).

Nakuci J, Covey TJ, Shucard JL, Shucard DW, and Muldoon SF. Single trial variability: a window into multiple cognitive streams of working memory (*In preparation*).

Nakuci J, Garcia JO, Wasylyshyn N, Elliot JC, Cieslak M, Giesbrecht B, Grafton ST, Vettel JM, and Muldoon SF. Within- and between-subject reproducibility and variability in multi-modal, longitudinal brain networks (*In preparation*).

Nakuci J, McGuire M, Schweser F, Poulsen D, and Muldoon SF. Differential patterns of change in brain connectivity resulting from traumatic brain injury (*Under review Brain Connectivity*).

Kaliyappan K, **Nakuci J**, Preda M, Schweser F, Muldoon SF, Muththaiah VPK. Correlation of histomorphometric changes with diffusion tensor imaging for evaluation of blast-induced auditory neurodegeneration in chinchilla. *Journal of Neurotrauma (in press).*

Cong Y, Slavakis K, **Nakuci J**, Muldoon SF, and Medaglia J. Online Classification of Dynamic Multilayer-Network Time Series in Riemannian Manifolds. *CASSP 2021 - 2021 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, 2021.

Cong Y, Slavakis K, **Nakuci J**, Muldoon SF, and Medaglia J. Fast Sequential Clustering in Riemannian Manifolds for Dynamic and Time-Series-Annotated Multilayer Networks. *IEEE Open Journal of Signal Processing* Volume 2, 2021.

Cong Y, Slavakis K, Patil PV, **Nakuci J**, Muldoon SF, and Medaglia J. Network clustering via kernel-ARMA modeling and the Grassmannian: The brain-network case. *Signal Processing* Volume 179, February 2021.

Tran C, Vaiana M*, **Nakuci J***, Somarowthu A, Goeff K, Goldstein N, Murthy P, Muldoon SF, and Goldberg E. Interneuron desynchronization precedes seizures in a mouse model of dravet syndrome. *Journal of Neuroscience* 2020; 40(13): 2764-2775. *Contributed equally Bansal K, **Nakuci J**, Muldoon SF. Personalized brain network models for assessing structure-function relationships. *Curr Opin Neurobiol*. 2018; 52:1-13.

CONFERENCE PRESENTATIONS

Nakuci J, Yeon J, Kim J-H, Kim S-P, Rahnev D (2021). Brain connectivity profiles associated with perceptual task performance. *Association for the Scientific Study of Consciousness*, Tel Aviv Israel

Nakuci J, Yeon J, Kim J-H, Kim S-P, Rahnev D (2021). Brain connectivity profiles associated with perceptual task performance. *Vision Science Society*, Tampa Bay FL

Nakuci J, Covey TJ, Shucard JL, Shucard DW, Muldoon SF (2020). A single-trial clustering approach to examining neural variability during working memory. *Northeast Regional Conference on Complex Systems*, Buffalo NY

Tong W, **Nakuci J**, Muldoon SF (2020). Robust vs. variable circuitry in human brain networks. *Northeast Regional Conference on Complex Systems*, Buffalo NY

Cong Y, Slavakis K, **Nakuci J**, Muldoon SF, and Medaglia J (2020). Online Multilayer Brain-Network State Clustering. *Northeast Regional Conference on Complex Systems*, Buffalo NY

Nakuci J, McGuire M, Schweser F, Poulsen D, Muldoon SF (2019). Changes in Global Brain Connectivity Resulting from Traumatic Brain Injury. *Society for Neuroscience Conference*, Chicago, IL

Nakuci J, McGuire M, Schweser F, Poulsen D, Muldoon SF (2019). Changes in Global Brain Connectivity Resulting from Traumatic Brain Injury. *Northeast Regional Conference on Complex Systems*, Binghamton NY

Nakuci J, Garcia JO, Wasylyshyn N, Elliot JC, Cieslak M, Giesbrecht B, Grafton ST, Vettel JM, Muldoon SF (2018). Inter-Session Reproducibility of Brain Functional Network Structure in Resting and Task States. *Society for Neuroscience Conference*, San Diego, CA

Nakuci J, Garcia JO, Wasylyshyn N, Elliot JC, Cieslak M, Giesbrecht B, Grafton ST, Vettel JM, Muldoon SF (2018). Inter-Session Reproducibility of Brain Functional Network Structure in Resting and Task States. *Northeast Regional Conference on Complex Systems*, Binghamton NY

TEACHING

NRS 602 Seminars in Neuroscience

AWARDS AND SCHOLARSHIPS

2018, 2019Beverly Petterson Bishop and Charles W. Bishop Neuroscience Travel Award2005 - 2009Rochester Class of 2005 Scholarship

COMMUNTIY OUTREACH

2014 – 2017	Brain Awareness Week
2014 – 2016	Girl Scouts Go to Neuro School
2014	Brain Bee