

ARIANA Y YOUM

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EDUCATION

<i>Ph.D. Psychology, University of Toronto</i> , Toronto, ON, Canada Advisors: Melanie Cohn & Katherine Duncan Expected graduation: 2023	2019—Present
<i>M.A. Psychology, University of Toronto</i> , Toronto, ON, Canada Advisors: Melanie Cohn & Katherine Duncan	2018—2019
<i>B.Sc., Hons. Psychology Research Specialist, University of Toronto</i> , Toronto, ON, Canada Advisor: Morris Moscovitch	2013-2017
<i>UTS Diploma, University of Toronto Schools</i>	2007-2013

AWARDS, GRANTS, & SCHOLARSHIPS

2021-2024	Natural Sciences and Engineering Research Council of Canada Alexander Graham Bell Canada Graduate Scholarship-Doctoral \$105,000
2020-2021	Mary Gertrude l'Anson Scholarship \$4,000
2020-2021	Ontario Graduate Scholarship \$15,000
2019-2020	NSERC Alexander Graham Bell Canada Graduate Scholarship-Master's \$17,500
2019-2020	General Motors Women in Science and Mathematics Award \$5000
2018-2019	Student Initiative Fund \$2,775
2018-2019	Graduate Admissions Award \$5,000
2017-2018	NSERC Undergraduate Award \$5,625
2014—2017	Dean's List Scholar <i>Excellence in academics and top placement in the University of Toronto</i>
2013-2014	University of Toronto Scholars Program Scholarship \$5,000
2012-2013	Harold and Waldo Smith Essay Award <i>Awarded for style and excellence in essay writing</i>

PEER REVIEWED PUBLICATIONS

- Youm, A.**, & Moscovitch, M. (2021). Aging, pattern separation, and categorical perception of faces. *Neuropsychologia*, *161*, 107999. doi: 10.1016/j.neuropsychologia.2021.107999
- Sasikumar, S., Cohn, M., Harmsen, I. E., Loh, A., Cho, S. S., Sáenz-Farret, M., Maciel, R., Soh, D., Boutet, A., Germann, J., Elias, G., **Youm, A.**, Duncan, K., Rowland, N. C., Strafella, A. P., Kalia, S. K., Lozano, A. M., & Fasano, A. (2022). Single-Trajectory Multiple-Target Deep Brain Stimulation for Parkinsonian Mobility and Cognition. *Movement disorders: official journal of the Movement Disorder Society*, *37*(3), 635–640. <https://doi.org/10.1002/mds.28870>
- Stevenson, R.A., Toulmin, J.K., **Youm, A.** et al. Increases in the autistic trait of attention to detail are associated with decreased multisensory temporal adaptation. *Nature Scientific Reports*, *7*, 14354 (2017). doi: 10.1038/s41598-017-14632-1

CONFERENCE PRESENTATIONS

- Youm, A.**, Cohn, M.*, Duncan, K*. (2022, April). *Pattern separation and pattern completion share distinct associations with cholinergically-mediated sustained attention*. Poster presented at the Cognitive Neuroscience Society.
- Youm, A.**, Koh, J., Cho, R., Williams, E., Vaziri, M., Lee, H., Simpson, R., Duncan, K.*, Cohn, M.* (2021, June). *Episodic memory impairments in Parkinson's disease: a meta-analysis*. Poster presented at Krembil Research Day.
- Youm, A.**, Williams, E., Koh, J., Vaziri, M., Lee, H., Simpson, R., Duncan, K.*, Cohn, M.* (2021, January). *Episodic memory impairments in Parkinson's disease: a meta-analysis*. Poster presented at the Society for Neuroscience.
- Youm, A.**, Koh, J., Vaziri, M., Williams, E., Lee, H., Simpson, R., Duncan, K.*, Cohn, M.* (2021, March). *Episodic memory impairments in Parkinson's disease: a meta-analysis*. Poster presented at the Cognitive Neuroscience Society.
- Youm, A.**, Cohn, M.*, & Duncan, K.* (2019, December). *How does memory differ in older adults? Investigating pattern separation and pattern completion through a cholinergic framework*. Poster presented at the University of Toronto.
- Youm, A.** & Moscovitch, M. (2017, April). *Categorical perception and pattern separation in the medial temporal lobe*. Poster presented at the University of Toronto Undergraduate Thesis Conference.

SOFTWARE SKILLS

Programming & Data Analysis	<i>R, Python, MATLAB</i>
Experiment Programming	<i>PsychoPy, Psychtoolbox (MATLAB), E-Prime</i>
Neuroimaging Analysis	<i>Bash scripting, fMRIPrep, SPM, ANTs, ASHS</i>
Design & Graphics	<i>Adobe Photoshop, Adobe InDesign, Adobe Lightroom</i>

TEACHING EXPERIENCE

2018-Present Teaching Assistant for Cognitive Dysfunction in Neurological Disorders (& guest lecture); Physiology and Psychology of Emotion; Statistics; Psychology & Law; Introductory Psychology; Human Memory; Learning and Plasticity

PAST RESEARCH EXPERIENCE

University of Toronto

<i>Study Manager, Dr. Penelope Lockwood</i>	2017-2018
<i>Research Assistant, Dr. Morris Moscovitch</i>	2017-2018
<i>Honors Thesis Student, Dr. Morris Moscovitch</i>	2016-2017
<i>Mini-thesis Student, Dr. Susanne Ferber & Dr. Ryan Stevenson</i>	2016-2017
<i>Research Assistant, Dr. Nancy Cohen & Dr. Fateneh Farnia</i>	2014-2015

COMMUNITY SERVICE & LEADERSHIP EXPERIENCE

2022—Present	Chair , Toronto Area Memory Group Conference (TAMeG)
2021—Present	Executive Member , Krembil Research Institute Trainee Affairs Committee
2019—2022	Social Coordinator , Psychology Graduate Students' Association
2019—2022	Mentor , Psychology Peer Mentorship Program
2022	Executive Committee Member , Toronto Area Memory Group Conference
2022	Committee Member , U of T Equity, Diversity and Inclusion Group
2014—2020	Violinist – Therapeutic Recreation Volunteer , Toronto Rehabilitation Institute, University Centre
2018-2019	Co-Executive , University of Toronto Psychology & Neuroscience Hackathon, University of Toronto
2016—2017	Creative Director , The Spectatorial, University of Toronto
2016—2017	Traumatic Brain Injury Unit Volunteer , Toronto Rehabilitation Institute <i>Supervisors: Elaine Armstrong & Tiffany Chan</i>
2015—2016	Charge D’Affaires , University of Toronto Model United Nations, University of Toronto
2014—2016	Layout Editor , The Spectatorial, University of Toronto
2014—2015	Director of Public Relations , University of Toronto Model United Nations, University of Toronto
2011—2014	Violinist , Scarborough Philharmonic Orchestra, Toronto

MENTORSHIP EXPERIENCE

2021-2022	Co-Supervisor , Undergraduate Independent Honors Thesis (Joshua Koh)
Summer 2022	Co-Supervisor , Summer Research Opportunities Program (Abbey Goertzen)
2020-2021	Co-Supervisor , Research Opportunity Program (Joshua Koh)
Summer 2020	Co-Supervisor , Research Opportunity Program (Megan Vaziri)
2019— <i>Present</i>	Mentor , Undergraduate Research Assistants (18)
2019— <i>Present</i>	Mentor , Psychology Peer Mentorship Program (3)