# H A N N A H  T A R D E R - S T O L L

312 SCHERMERHORN HALL • 1190 AMSTERDAM AVE • NEW YORK, NY
EMAIL: HRT2116@COLUMBIA.EDU

## EDUCATION

**PhD in Psychology** 2018–2023
Columbia University (anticipated)
- Advisors: Drs. Mariam Aly and Christopher Baldassano
- Cumulative GPA: 4.0

**Honours Bachelor of Science with High Distinction** 2015–2018
University of Toronto
- Psychology Research Specialist, Cumulative GPA: 3.97
- Honours Thesis: *The Retroactive Influence of Reward on Associative Memory and Memory Integration*

**Bachelor of Music in Performance with Honours** 2010–2014
University of Toronto
- Voice Performance Major (Classical), Cumulative GPA: 3.53

## RESEARCH EXPERIENCE

**PhD Student** 2018–present

Columbia University, Drs. Mariam Aly and Christopher Baldassano
- Conducting an original research program investigating the neural mechanisms of prediction and memory integration

**Honours Thesis Student, Independent Project Student** 2016–2018

University of Toronto, Drs. Katherine Duncan and Meg Schlichting
- Conducted original research investigating the retroactive influence of reward on memory integration

**Independent Project Student** 2017–2018

University of Toronto, Dr. Morris Moscovitch
- Conducted original research on the acquisition of spatial schemas and investigated the differential influence of disgust and fear on episodic memory

**Research Assistantships – *University of Toronto*** 2016–2017
- Dr. Katherine Duncan, Duncan Lab
- Dr. Kaori Takehara, Takehara Lab

## PUBLICATIONS

**Tarder-Stoll, H.** (2018) Understanding the Neuronal Source of Dopamine: A Comparison of Two Models. *Inkblot: The Undergraduate Journal of Psychology* (7), 50-53.

## PREPRINTS & MANUSCRIPTS IN PREPARATION

**Tarder-Stoll, H.*,** Jayakumar, M.*, Dimsdale-Zucker, H. R., Günseli, E., Aly, M. (2019), Dynamic internal states shape memory retrieval. *PsyArXiv.* doi: 10.31234/osf.io/kudj3

**Tarder-Stoll, H.*,** Lalla, A.*, Hasher, L., Duncan, K. (In prep). How does aging influence the use of episodic memory in decision making?

Anaki, D., **Tarder-Stoll, H.,** Moscovitch, M. (In prep). Contamination underlies disgust salience in episodic memory.

*denotes shared authorship

## FELLOWSHIPS & GRANTS

| | |
|---|---|
| Columbia University Deans Fellow | 2018-2023 |
| NSERC Undergraduate Student Research Award ($6000) | 2017 |

## AWARDS & HONOURS

| | |
|---|---|
| McNab Scholarship in Psychology ($800), *University of Toronto* | 2018 |
| Highly Commended Winner, *Global Undergraduate Awards* | 2018 |
| Outstanding Poster Presentation, *NeuroXchange Conference* | 2018 |
| Top Student in Neuroscience Award ($100), *University of Toronto* | 2017 |
| Dean's Honour List, *University of Toronto* | 2016-2018 |
| Jacqueline Desmarais Scholarship ($325) | 2015 |
| Scotiabank Scholarship ($8000) | 2010-2014 |
| University of Toronto Top Scholar Award ($5000), *University of Toronto* | 2010 |
| Ontario Scholar | 2010 |

## CONFERENCE TALKS

**Tarder-Stoll, H.**, Schlichting, M., & Duncan, K. (2018, November). The influence of reward on memory integration. *Global Undergraduate Awards*, Dublin, Ireland.

Anaki, D., **Tarder-Stoll, H.**, & Moscovitch, M. (2018, November). Touch increases disgust salience in episodic memory. *Psychonomics Society*, New Orleans, LA.

## POSTER PRESENTATIONS

**Tarder-Stoll, H.,** Schlichting, M., Duncan, K. (2018) The influence of reward on associative memory and memory integration. *Undergraduate Thesis Conference*, Ryerson University, Toronto, ON. **Awarded Notable Poster*

**Tarder-Stoll, H.,** Schlichting, M., Duncan, K. (2018) The influence of reward on associative memory and memory integration. *NeuroXchange Conference*, McMaster University, Hamilton, ON. **Outstanding Poster Award*

**Tarder-Stoll, H.,** Lalla, A., Hasher, L., Duncan, K. (2018) Does aging influence the use of episodic memory in decision making? *Cognitive Neuroscience Society*, Boston, MA.

Anaki, D., **Tarder-Stoll, H.**, Moscovitch, M. (2018) Self-relevance underlies disgust salience in episodic memory. *Cognitive Neuroscience Society*, Boston, MA.

## TEACHING EXPERIENCE

Teaching Assistant for PSYC1490, Experimental Psychology: Cognition and Decision Making, *Columbia University* 2019

Teaching Assistant for PSYC1001, Science of Psychology, *Columbia University* 2019

Piano, voice, and theory teacher, *Lippert Music Centre* 2014-2016

## RESEARCH SKILLS

Programming and Data Analysis: Python, C#, Inquisit, R, SPSS
Stimulus Presentation: Unity, PsychoPy, Mechanical Turk
Neuropsychological Tests: Montreal Cognitive Assessment

## SERIVE & OUTREACH

Volunteer – *Girls Science Day, Columbia University* 2019
- STEM enrichment for middle school girls

Editor - *The Inkblot: Undergraduate Journal of Psychology* 2016-2018
- Reviewed, selected and edited articles for publication

Volunteer - *Holland Bloorview Kids Rehabilitation Hospital* 2015-2016
- Engaged in educational activities with children with traumatic brain injury

Performer - *Baycrest Hospital, Toronto, Ontario* 2016
- Performed recitals to increase accessibility of music in elderly care