

Lindsay Coome, B.A., M.A.

Department of Psychology
University of Toronto
Curriculum Vitae

EDUCATION

Sept. 2013 – Present

University of Toronto, PhD

Thesis Title: Biological Variation in Same-Sex Attracted Individuals in a Thai and Canadian Sample: A Cross-Cultural Approach

Supervisor: Dr. Doug VanderLaan

Outside Project Supervisor: Dr. Darryl Gwynne

Sept. 2012 – 2013

University of Toronto, MA

Date of Completion: September 2013

Thesis Title: Neural Action of Androgens in the Suprachiasmatic Nucleus Brain Clock

Supervisor: Dr. Ashley Monks

Sept. 2007 – 2012

University of Western Ontario, BA Honours Psychology

Date of Completion: June 2012

Thesis Title: The Effects of the Rat Estrous Cycle on Lithium Chloride-Induced Conditioned Taste Avoidances

Supervisors: Dr. Peter Ossenkopp and Dr. Martin Kavaliers

PUBLICATIONS

Coome, L.A., Skorska, M.N., VanderLaan, D.P. (In Preparation). Same-Sex Sexual Attraction and Transgender Identity in Thailand: Somatic, Behavioural, and Demographic Markers.

Thurston, L.T., Coome, L.A., Skorska, M.N., Peragine, D.E., Saokhieo, P., Kaewthip, O., Chariyalertsak, S., VanderLaan, D.P. (In Preparation). Mental Rotation Task Performance in a Gender and Sexually Diverse Thai Sample.

Swift-Gallant, A., Coome, L. A., Monks, D. A., & VanderLaan, D. P. (Under Review). Recalled Childhood Separation Anxiety Differs by Anal Sex Role Among Gay Men. Personality and Individual Differences, Ref: PAID-D-20-01044

Coomo, L., Skorska, M., & VanderLaan, D.P. (Under Revision). Direct Reproduction and Sexual Orientation and Gender Diversity in Thailand. Archives of Sexual Behaviour, Ref: ASEB-D-20-00160.

Skorska, M., Coome, L. A., Saokhieo, P., Kaewthip, O., Chariyalertsak, S., VanderLaan, D. P. (Under Revision). Handedness and Birth Order Among Heterosexual Men, Gay Men, and Sao Praphet Song in Northern Thailand. Archives of Sexual Behaviour. Ref: ASEB-D-19-00436.

Coomo, L. A., Swift-Gallant, A., Holmes, M. M., Karatsoreos, I. N., Monks, D. A. (Under Revision). Androgens affect behavioral rhythms and the photic response of the suprachiasmatic nucleus in male mice via actions on neural androgen receptors. Hormones and Behavior. Ref: HB_2017_75.

Swift-Gallant, A., Coome, L. A., Ramzan, F., & Monks, D. A. (2020). Non-androgenic testicular mediation of androphilia in male mice with global overexpression of androgen receptors. Behavioural Brain Research, 112694.

Skorska, M. N., Coome, L. A., Zahran, A., Peragine, D. E., & VanderLaan, D. P. (2020). Facial Attractiveness of Sisters of Thai Gay Men and Sao Praphet Song. The Journal of Sex Research, 1-6.

VanderLaan, D. P., & Coome, L. A. (2019). On the importance of stimulus selection in replicating studies of within-sex variation in mental rotation test performance. Psychoneuroendocrinology, 104546.

Johnston, L., Bonsma-Fisher, M., Ostblom, J., Hasan, A., Santangelo, J., Coome, L., ... & Mahallati, S. (2019). A graduate student-led participatory live-coding quantitative methods course in R: Experiences on initiating, developing, and teaching. Journal of Open Source Education, 2(16), 49.

Swift-gallant, A., Coome, L. A., Aitken, M., Monks, D. A., & Vanderlaan, D. P. (2019). Evidence for distinct biodevelopmental influences on male sexual orientation. PNAS, 116(26), 12787–12792.

Ramzan, F., Phung, T., Swift-Gallant, A., Coome, L. A., Holmes, M. M., & Monks, D. A. (2019). Both neural and global androgen receptor overexpression affect sexual dimorphism in the mouse brain. Journal of Neuroendocrinology, e12715.

Coomo, L. A., Skorska M. N., van der Miesen, A., Peregrine, D., VanderLaan, D. (2018). An examination of the biodevelopment of gender expression in children ages 6-to-12 years. The Canadian Journal of Human Sexuality, 27(2), 133-143.

Swift-Gallant, A., Coome, L.A., Monks, D.A. & VanderLaan, D.P. (2018). Pubertal onset and anal sex role among gay men. Psychology of Sexual Orientation and Gender Diversity.

Coomo, L. A., Swift-Gallant, A., Ramzan, F., Melhuish Beaupre, L., Brkic, T., & Monks, D. A. (2017). Neural androgen receptor overexpression affects cell number in the spinal nucleus of the bulbocavernosus. Journal of Neuroendocrinology, 29, e12515.

Swift-Gallant, A., Coome, L. A., Monks, D. A., & VanderLaan, D. P. (2017). Gender nonconformity and birth order in relation to anal sex role among gay men. *Archives of Sexual Behavior*, 1-12.

Swift-Gallant A., Coome L.A., Monks, D.A., & VanderLaan, D.P. (2017). Handedness is a biomarker of variation in anal sex role behavior and recalled childhood gender nonconformity among gay men. *PLOS ONE*, 12, e0170241.

Coome, L. A. (2016). Nutritionally deprived black-horned tree cricket (*Oecanthus nigricornis*) consumes own spermatophore after failed mating. *Archives of Sexual Behavior*, 45, 1023-1025.

Swift-Gallant, A., Coome, L.A., Srinivasan, S., & Monks, D. A. (2016). Non-neural androgen receptor promotes androphilic odor preference in mice. *Hormones and Behavior*, 83, 14-22.

Swift-Gallant, A., Coome, L.A., Ramzan, F., & Monks, D. A. (2015). Nonneural androgen receptors affect sexual differentiation of brain and behavior. *Endocrinology*, 157, 788-798.

BOOK CHAPTERS

Coome, L. A., & Swift-Gallant, A. (2020). Boys' rough-and-tumble play. In T. K. Shackelford & V. Weekes-Shackelford (Eds.), *Encyclopedia of Evolutionary Psychological Science*. Springer International Publishing.

Coome, L. A., & Swift-Gallant, A. (2020). Girls' interest in familial care. In T. K. Shackelford & V. Weekes-Shackelford (Eds.), *Encyclopedia of Evolutionary Psychological Science*. Springer International Publishing.

Swift-Gallant, A., & Coome, L. A. (2020). Development of sex differences. In T. K. Shackelford & V. Weekes-Shackelford (Eds.), *Encyclopedia of Evolutionary Psychological Science*. Springer International Publishing.

REFEREED CONFERENCE PRESENTATIONS

Coome, L. A., Skorska, M.N., & VanderLaan, D. P. (2019, October). A test of the kin selection hypothesis among same-sex attracted and transgender individuals in Thailand. Poster Presentation. Darwin Day Annual Meeting, St. Catharines, Ontario, Canada.

Coome, L. A., & VanderLaan, D. P. (2019, October). Reproductive output in relation to sexual orientation and (trans)gender identity in Thailand. Poster Presentation. Darwin Day Annual Meeting, St. Catharines, Ontario, Canada.

Skorska, M. N., Coome, L. A., Zahran, A., Peragine, D. E., & VanderLaan, D. P. (2019, October). Facial attractiveness of sisters of Thai gay men and sao praphet song: Implications for the female fertility-social stratification-hypergyny hypothesis. Poster Presentation. Darwin Day Annual Meeting, St. Catharines, Ontario, Canada.

Thurston L, Skorska M, Peragine D, Coome L, VanderLaan D. (2019, October). Mental rotation task performance in a gender diverse Thai sample: A test of neurohormonal theory. Poster Presentation. Society for Neuroscience, Chicago, IL, USA.

Thurston L, Skorska M, Peragine D, Coome L, VanderLaan D. (2019, July) Evidence of neurohormonal theory in mental rotation task performance in a gender diverse Thai sample. Poster Presentation. International Association of Sex Research, Mexico City, Mexico.

Thurston L, Coome L, Skorska M, Peragine D, VanderLaan D. (2019, June) Mental rotation task performance dependent on menstrual cycle phase in gender expansive Thai population. Poster Presentation. The Canadian Society for Brain, Behaviour, and Cognitive Science, Waterloo, Ontario, Canada.

Coome, L. A., Skorska, M. N., VanderLaan, D. P. (October, 2018). An examination of biomarkers of development of same-sex attracted and transgender individuals in Thailand: height and 2D:4D. Poster Presentation. Gender Development Research Conference, San Francisco, California, USA.

Coome, L. A., & VanderLaan, D. P. (October, 2018). Reproductive output in relation to sexual orientation and (trans)gender identity in Thailand. Poster Presentation. Canadian Sex Research Forum, Toronto, Ontario.

Peragine, D., Coome, L. A., Einstein, G., VanderLaan, D. (June, 2018). A learning experience? Orgasm at coital debut predicts women's sexual desire in adulthood, and mediates sex differences in affective ratings of first coitus. Data Blitz. Canadian Sex Research Forum, Toronto, Ontario.

Coome, L. A., Skorska, M.N., & VanderLaan, D. P. (2018, July). A test of the kin selection hypothesis among same-sex attracted and transgender individuals in Thailand. Poster Presentation. International Academy of Sex Research, Madrid, Spain.

VanderLaan, D. P., Coome, L. A. (July, 2018). "Third" genders in Thailand: Sexual orientation profiles and developmental correlates. Oral Presentation. International Academy for Sex Research, Madrid, Spain.

Peragine, D., Coome, L. A., Einstein, G., VanderLaan, D. (July, 2018). A learning experience? Orgasm at coital debut predicts women's sexual desire in adulthood, and mediates sex differences in affective ratings of first coitus. Poster Presentation. International Academy of Sex Research, Madrid, Spain.

Coome, L. A., VanderLaan, D. P. (June, 2018). Reproductive output in relation to sexual orientation and (trans)gender identity in Thailand. Data Blitz. SEXposium, Toronto, Canada.

Coome, L. A., Swift-Gallant, A., Monks, D. A. & VanderLaan, D. P. (May, 2018). Does the fraternal birth order effect apply primarily to gay men with a bottom anal sex role preference? Poster Presentation. UTM Graduate Research Colloquium, Mississauga, ON, Canada.

Coomo, L. A., Skorska M. N., van der Miesen, A., VanderLaan, D. (October, 2017). Pre- and perinatal factors and childhood gender expression. Oral Presentation. Canadian Sex Research Forum, Fredericton, NB, Canada.

Swift-Gallant, A., Coome, L. A., Monks, D. A. & VanderLaan, D. P., (June, 2017). Only gay men with a bottom anal sex role show evidence of two bio-correlates, the fraternal birth order and handedness. Oral Presentation. SEXposium, Toronto, Canada.

Swift-Gallant, A., Coome, L. A., Monks, D. A. & VanderLaan, D. P. (June, 2017). Does the fraternal birth order effect apply primarily to gay men with a bottom anal sex role preference? Poster Presentation. SEXposium, Toronto, Canada.

Coomo, L. A., Swift-Gallant, A., VanderLaan, D. P., & Monks, D. A. (September, 2016). Fraternal birth order and handedness as bio-correlates of gender nonconformity and anal sex role among gay men. Oral Presentation. Canadian Sex Research Forum, Quebec City, QC, Canada.

Coomo, L.A., Melhuish Bueapre, L., Swift-Gallant, A., Ramzan, A., & Monks, D.A. (August, 2016). Effects of global and neural androgen receptor overexpression on the spinal nucleus of the bulbocavernosus. Poster Presentation. Society for Behavioral Neuroendocrinology, Montreal, QC, Canada.

VanderLaan, D.P., Swift-Gallant, A., Coome, L.A., & Monks, D.A. (June, 2016). Does the fraternal birth order effect apply primarily to gay men with a bottom anal sex role preference? Poster Presentation. International Academy of Sex Research, Malmö, Sweden.

Coomo, L.A., Melhuish Bueapre, L., Swift-Gallant, A., Ramzan, A., & Monks, D.A. (May, 2016). Effects of global and neural androgen receptor overexpression on the spinal nucleus of the bulbocavernosus. Poster Presentation. UTM Graduate Research Colloquium, Mississauga, ON, Canada.

Swift-Gallant, A., Coome, L. A., Ramzan, F. & Monks, D. A. (October, 2015). Non-neural androgen receptors contribute to the sexual differentiation of the brain and behavior. Oral Presentation. Society for Neuroscience, Nanosymposia 468.07, Chicago, IL, USA.

Ramzan, F., Coome, L.A., Swift-Gallant, A., & Monks, D.A. (June, 2015). Androgen receptor overexpression affects cell size in SDN-POA. Poster Presentation. Society for Behavioral Neuroendocrinology, Pacific Grove, CA, U.S.A.

Swift-Gallant, A., Coome, L.A., Almeida, D., Kretschmer, B., Ramzan, F., & Monks, D.A. (November, 2014). Roles for neural and non-neural androgen receptors in the organization of masculine olfactory preference. Poster Presentation. Society for Neuroscience, Washington, DC, U.S.A.

Coomo, L.A., Swift-Gallant, A., & Monks, D.A. (August, 2014). Androgens can affect photic response of the suprachiasmatic nucleus via actions on neural androgen receptors. Poster Presentation. Society for Behavioral Neuroendocrinology, Sydney, Australia.

Coomo, L.A., Swift-Gallant, A. & Monks, D.A. (April, 2014). Neural action of androgens in the suprachiasmatic nucleus brain clock. Poster Presentation. Organization for the Study of Sex Differences, Minneapolis, MN, U.S.A.

Swift-Gallant, A., Montano, K., Coome, L.A., Ramzan, F., & Monks, D.A. (April, 2014). Global and neural overexpression of androgen receptors differentially influence copulatory and social behaviors in mice. Poster Presentation. Organization for the Study of Sex Differences, Minneapolis, MN, U.S.A.

CONFERENCE SESSIONS ORGANIZED

“Study Groups - Crossing the Boundaries of Discipline.” (October, 2016). Mozilla Festival 2016, Open Science Space, Ravensbourne College, North Greenwich, London, UK.

INVITED COLLOQUIA TALKS

Coomo, L. A. (March 8, 2018). “Fraternal Birth Order and Handedness as Bio-correlates of Anal Sex Role and Gender Nonconformity Among Gay Men”. Graduate-Led Academic Seminar Series (GLASS), University of Toronto St. George.

Coomo, L. A. (March 9, 2017). “Fraternal Birth Order and Handedness as Bio-correlates of Anal Sex Role and Gender Nonconformity Among Gay Men”. Sexuality Interest Network (SIN), University of Toronto St. George.

Coomo, L.A. (September 29, 2014). “Neural Action of Androgens in the Suprachiasmatic Nucleus.” Departmental Brown-Bag Meeting, University of Toronto Mississauga.

Coomo, L.A. (October 23, 2014). “Neural Action of Androgens in the Suprachiasmatic Nucleus.” Graduate-Led Academic Seminar Series (GLASS), University of Toronto St. George.

INVITED WORKSHOP PRESENTATIONS

Coomo, L.A. (Wednesday, October 22, 2014). “Getting into graduate school”. Canadian Psychological Association and Academic Advising and Career Centre Workshop, University of Toronto, Mississauga.

Coomo, L.A. (Tuesday, October 14, 2014). “Getting into graduate school”. Canadian Psychological Association and Academic Advising and Career Centre Workshop, University of Toronto, St. George.

GUEST LECTURES

Coomo, L.A. (May 24th, 2018). “Intro to Statistics in R”, Mozilla Science Lab Study Group, University of Toronto. Livestream: <https://www.youtube.com/watch?v=A7AD40fpLK8>

Coomo, L.A. (February 15, 2017). “Introduction to ggplot2 in R”, Mozilla Science Lab Study Group, University of Toronto. Livestream: <https://www.youtube.com/watch?v=A7AD40fpLK8>

Coomo, L.A. (February 10, 2015). "Animal Models of Anxiety." Psychobiology Laboratory PSY399, University of Toronto Mississauga.

Coomo, L.A. (June 15, 2015). "Biological Rhythms", Hormones and Behaviour PSY395, University of Toronto Mississauga.

Coomo, L.A. (October 22, 2015). "Basic Statistics in R", Mozilla Science Lab Study Group, University of Toronto.

SCIENCE OUTREACH LECTURES

Coomo, L.A. (February 7, 2018). "The Science of Sexual Orientation". Sigma Xi U of T Chapter, High Park Library.

Coomo, L.A. (May 3, 2016). "The Mating Game: Animal Courtship and Reproduction." Let's Talk Science Challenge, University of Toronto Mississauga.

WORKSHOPS INSTRUCTED AND ORGANIZED

"Software Carpentry Workshop: R for Reproducible Scientific Analysis, Git, and Unix Shell." (January 18-19, 2018). Gerstein Library MADLab, St. George Campus, University of Toronto.

"Software Carpentry Workshop: Programming with Python, Git, and Unix Shell." (February 3-4, 2017). Presented in association with U of T Scientific Coders. Claude T. Bissell Building, St. George Campus, University of Toronto.

"Workshop for Postdoctoral Fellows: Scientific Programming in Python". (July 27, August 3, & August 10, 2016). Presented in association with U of T Scientific Coders and CUPE 3902 Unit 5. Sidney Smith Hall, St. George Campus, University of Toronto.

"Software Carpentry Workshop: R for Reproducible Scientific Analysis, Git, and Unix Shell." (May 26-27, 2016). Presented in association with U of T Scientific Coders and U of T Association for Information Systems. Claude T. Bissell Building, St. George Campus, University of Toronto.

"Software Carpentry Workshop: Programming with Python, Git, and Unix Shell." (May 9-10, 2016). Presented in association with U of T Scientific Coders and U of T Association for Information Systems. Claude T. Bissell Building, St. George Campus, University of Toronto.

"Software Carpentry Workshop: R for Reproducible Scientific Analysis, Git, and Unix Shell." (April 25-26, 2016). Presented in association with U of T Scientific Coders and U of T Association for Information Systems. Claude T. Bissell Building, St. George Campus, University of Toronto.

PAST AND PRESENT PROFESSIONAL AFFILIATIONS

Society for Behavioral Neuroendocrinology (SBN)
Organization for the Study of Sex Differences (OSSD)

Canadian Psychological Association (CPA)
Society for Neuroscience (SFN)
Canadian Sex Research Forum (CSRF)
Toronto Entomologist's Association (TEA)
NeuroTechX Toronto Chapter
Society for the Scientific Study of Sexuality (SSSS)
International Academy of Sex Research (IASR)
Graduate Women in Science (GWIS)

TEACHING EXPERIENCE

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|--------------|---|
| 2018 | Course Instructor, University of Toronto St. George <ul style="list-style-type: none">• EEB313 - Quantitative Methods in R for Biology |
| 2017 | Course Instructor, University of Toronto St. George <ul style="list-style-type: none">• EEB430H1 - Theoretical Ecology and Reproducible Quantitative Methods in R |
| 2016-2019 | Workshop Instructor, Undergraduate Research Student Statistics Workshop Series <ul style="list-style-type: none">• Correlation and Regression• Multiple Regression• Mediation and Moderation• Non-Parametric Statistics• Reliability and Factor Analysis |
| 2016 | Tutorial Leader, University of Toronto Mississauga <ul style="list-style-type: none">• PSY201 - Statistics I |
| 2012-Present | Teaching Assistant, University of Toronto Mississauga <ul style="list-style-type: none">• PSY399 - Psychobiology Laboratory• PSY395 - Hormones and Behaviour• PSY354 - Biopsychology of Sex• PSY100 - Introduction to Psychology• PSY290 - Introduction to Physiological Psychology• PSY202 - Statistics II• PSY321 - Cross-Cultural Psychology |

VOLUNTEERING AND SCIENCE OUTREACH

- 2019-Present Organizing Committee, 'Girl Talk' STEM Trainee Seminar Series
- Held promotional and programming duties for a seminar series in which U of T researchers studying sex, sexism, and sexuality share new findings on gender-based prejudice, pornography, sexual desire, and women's health and cognition
- 2017-2019 Executive Committee, NeuroTechX Toronto Chapter
- NeuroTechX is a non-profit organization whose mission is to build a strong global neurotechnology community by providing key resources and learning opportunities, and by being leaders in local and world-wide technological initiatives
- 2016-2018 Mentor, Ladies Learning Code
- Ladies Learning Code is a safe, welcoming environment where beginners can attend workshops on various topics on computer programming and computer literacy
 - Responsible for mentoring adults and youths on a variety of programming topics including Python and Ruby
- 2016-2020 Mentor, Science Literacy Week Women in STEM Mentorship Initiative
- The Women in STEM Mentorship Initiative provides opportunities for girls/young women aspiring to scientific careers to have the chance to talk with women already established in science with the goal of getting more women into STEM fields and removing the barriers that still exist toward this end
 - Responsibilities include corresponding and meeting with young girls/women interested in science and providing career advice and relating experiences about being a woman in science
- 2016-Present Newsletter Editor, Canadian Sex Research Forum
- Responsible for communicating to members reflections from our meetings, highlights of our members, and save-the-dates for future meetings and events
 - Responsible for editing, soliciting, and collating submissions from members (e.g., reports, biographies/ member profiles, announcements, pictures, etc)
 - Responsible for creating the layout and design of the newsletter, including graphics, typography, and photo editing
- 2016-2020 Executive Committee - Special Events Coordinator, University of Toronto Scientific Coders Group
- Responsible for leading sessions on topics in scientific computing for the benefit of graduate students at the University of Toronto
 - Responsible for promoting reproducible computational research and good computing practices

- Responsible for coordinating and organizing Software Carpentry workshops held in association with U of T Scientific Coders
 - Designed a workshop series for Postdoctoral Fellows at U of T in cooperation with CUPE 3902 on scientific programming in Python
 - Helped organize a Github Pages/Jekyll website redesign hackathon and contributed to the site design
- 2015-Present Software Carpentry Instructor, Software Carpentry Foundation for research computing
- Completed Software Carpentry's training course on pedagogy and improving teaching techniques
 - Responsible for organizing and running intensive workshops that cover program design, version control, testing, and task automation using R, Python, bash and Git
 - Helped to organize workshops on Python/Unix Shell/Git and R/Unix Shell/Git, all of which qualified for the University of Toronto Co-Curricular Record Program (CCR)
 - Organized and acted as lead instructor for R programming in a workshop for learners who identify as women
- 2015-2017 Sexposium 1st Annual Conference Organizing Committee, Ontario Science Centre, July 2015
- Organized interdisciplinary scientific conference featuring 50 presentations on sex and relationship research from students, professors, and community leaders
 - Aimed at both researchers and the general public to advance understanding of love and sex through science education and outreach
 - Featured student poster & oral presentations in addition to keynote speakers
- 2014-2017 Executive Committee, Graphics and Website Designer for Science Rendezvous at the University of Toronto
- Member of the media and marketing team, lead graphics designer and webmaster for Science Rendezvous at U of T, a science outreach festival drawing over 15,000 visitors annually
 - Responsible for creating a marketing campaign, including a TTC ad campaign, with an \$8,000 budget
 - Created a Wordpress site for the festival that drew over 200,000 unique visitors
 - Helped organize the first annual Toronto District Science Fair, a Toronto-wide science poster competition aimed at promoting scientific literacy by recognizing teaching excellence and commitment to science, technology, engineering and mathematics (STEM) education
- 2014-Present Graduate Program Campus Representative, Canadian Psychological Association, for the University of Toronto

- Responsible for representing the CPA section for students at the University of Toronto
 - Organized workshops for undergraduate students on applying to graduate school and preparing a submission to the annual CPA convention
- 2014-2020 Organizing Committee, Science Literacy Week UTM
- Co-founder and organizer of Science Literacy Week at UTM, a week-long event aimed at promoting science literacy among undergraduates at the University of Toronto
 - Responsible for marketing and designing promotional materials, event programming, and running interactive science demonstrations
 - Organized free public science lectures by UTM faculty
- 2014 Judge and Volunteer, Ontario Biology Day Research Conference (University of Toronto)
- Acted as judge and volunteer for the 27th annual Ontario Biology Day (OBD) undergraduate student research conference, an event where 220 4th year undergraduate students from Ontario Universities presented their research findings through oral talks and poster presentations
- 2012-Present Volunteer and Keynote Speaker, Let's Talk Science UTM
- Volunteered and served as judge for the annual Let's Talk Science Challenge, a full day on-campus program with a question and answer competition, and an interactive, hands-on design challenge
 - Invited as keynote speaker for the 2016 challenge and gave a talk to over 300 grade 6-8 students on evolution, sexual selection, and unusual animal courtship rituals

GRADUATE AWARDS

- 2020 Rotman School of Management Entrance Award (Declined; University of Toronto), \$15,000
- 2020 COVID-19 Student Engagement Award (Office of the Vice-President, University of Toronto), \$3,000
- 2019 Doctoral Completion Award (University of Toronto), \$6,000
- 2018 Graduate Expansion Fund Travel Award, International Academy of Sex Research Conference (Department of Psychology, UTM), \$2,500
- 2017 Graduate Expansion Fund Travel Award, Canadian Sex Research Forum (Department of Psychology, UTM), \$2,500
- 2017 General Motors Women in Science & Mathematics Award (Office of the Dean, University of Toronto), \$3,800

- 2016 2nd Place Oral Talk, "Fraternal birth order and handedness as bio-correlates of gender nonconformity and anal sex role among gay men", Canadian Sex Research Forum, Quebec City, QC, Canada
- 2016 U of T Mississauga Teaching Excellence Award for Outstanding Teaching by a Teaching Assistant
- 2016 General Motors Women in Science & Mathematics Award (Office of the Dean, University of Toronto), \$3,800
- 2016 Travel Award, MozFest 2016 Open Science Space, "Study Groups - Crossing the Boundaries of Discipline" (Co-Applicant), \$1,000
- 2016 Graduate Expansion Fund Development Grant for a Scientific and Statistical Computing Workshop (Co-Applicant, Department of Psychology, UTM), \$4,500
- 2016 Graduate Conference and Workshop Grant for the Society for Behavioural Neuroendocrinology (Department of Psychology, UTM), \$1,500
- 2015 Graduate Expansion Fund Development Grant for a Customized Multi-Day Course at the Advanced Microscopy Facility (AOMF), St. George Campus (Department of Psychology, UTM), \$7,000
- 2014 Graduate Conference/Workshop Grant for Society for Behavioral Neuroendocrinology (Department of Psychology, UTM), \$3,000
- 2014 Graduate Conference/Workshop Grant for the Organization for the Study of Sex Differences (Department of Psychology, UTM), \$1,000
- 2014 Graduate Student Travel Grant for the Organization for the Study of Sex Differences (Office of the Vice Dean, UTM), \$400
- 2014 SGS Conference Grant for the Organization for the Study of Sex Differences (School of Graduate Studies), \$550
- 2013 University of Toronto Fellowship Award (5 years; Department of Psychology), ~\$87,500

UNDERGRADUATE AWARDS AND HONOURS

- 2010-2012 University of Western Ontario Dean's Honours List
- 2007-2008 Queen Elizabeth II Aiming for the Top Scholarship
- 2007 The Western Scholarship of Excellence

RELEVANT SKILLS

Core Skills

- Statistics and Data Analysis
- University Teaching
- Public Speaking
- Science Outreach and Education
- Scientific Writing
- Experimental Design
- Survey Construction
- Survey Recruitment
- Qualtrics Survey Platform
- MTurk
- Inquisit
- PsychoPy
- Workshop Facilitation
- Open and Reproducible Science Practices
- R
- Python
- Hive/Hadoop
- SPSS
- SQL
- Data Visualization
- Tableau
- Version Control
- Git and GitHub

Areas of Expertise

- Human Sexuality
- Biological Psychology
- Social Psychology
- Statistics for Behavioural Science
- Animal Physiology
- Animal Behaviour
- Evolutionary Psychology
- Cross-Cultural Psychology
- Neuroendocrinology
- Neuroimmunology
- Psychopharmacology
- Human-Computer Interaction
- Cognitive Psychology

Bench Skills

- Anthropometry
- Perfusion and Immersion Fixation
- Tissue Sectioning and Dissection
- Veterinary Surgery on Rodents
- Stereotaxic Brain Surgery on Rodents
- Eye-tracking
- Immunohistochemistry
- Immunofluorescence

- PCR and qPCR
- PCR Primer Design and Optimization
- Western Blotting
- Advanced Microscopy
- Image Analysis
- ImageJ
- ELISA
- Stereology
- Behaviour Testing in Rodents
- Behaviour Testing in Invertebrates
- Rodent Husbandry and Breeding

Other Skills

- HTML5/CSS3
- Graphic Design
- User Interface Design
- Figma
- Sketch
- Wordpress
- Adobe Photoshop
- Adobe Illustrator
- Adobe Lightroom
- Microsoft Powerpoint
- Microsoft Excel

RELEVANT PROFESSIONAL EXPERIENCE AND COURSES TAKEN

2020	Inquisit and Other Programs for Experimental Testing (Baycrest Rotman Research Institute)
2018	Advanced Scientific Programming in Python Summer School (German Neuroinformatics Node and the University of Camerino, Italy)
2017	Data Visualization and Tableau Software Course (University of Toronto Mississauga)
2017	Pyladies Course on How to Teach Programming and Many Other Things (Sponsored by Pyladies and Points)
2017	Eye-Tracker Curriculum Series (Baycrest Rotman Research Institute)
2016	Programming in MATLAB for Psychologists Workshop (University of Toronto Mississauga)
2015 & 2016	Computing Skills Workshop for Researchers (Centre for Addiction and Mental Health)
2015	Software Carpentry Instructor Certification (The Carpentries Foundation)

- 2015 Comprehensive Course on Fluorescence Microscopy, Advanced Optical Microscopy Facility (Advanced Optical Microscopy Facility, University Health Network)
- 2014 Teaching Workshop on Teaching Neuroendocrinology (Society for Behavioral Neuroendocrinology)
- 2014 Workshop on Enzyme Assays (University of Toronto Mississauga)
- 2014 Workshop on Western Blots (University of Toronto Mississauga)
- 2014 Workshop on Enzyme-linked Immunosorbent Assays (University of Toronto Mississauga)

CERTIFICATIONS

- 2017 Statistical Innovations - Latent Class Modelling
- 2017 Coursera, University of Michigan - Using Python to Access Web Data
- 2016 Coursera, University of Michigan - Programming for Everybody (Getting Started with Python)
- 2016 Coursera, University of Michigan - Python Data Structures
- 2014 Panel of Research Ethics, Government of Canada - Ethics Conduct For Research Involving Humans

PROFESSIONAL CONTRIBUTIONS

- 2020-Present Graduate Women In Science (GWIS) National Fellowship application reviewer
- 2016-2019 Canadian Sex Research Forum newsletter editor
- 2016-Present Member of SIN (Sexuality Interest Network), Psychology Department Interest Group
- 2016-Present Session leader and executive committee member, University of Toronto Scientific Coders
- 2015-2017 Sexposium 1st annual conference, co-founder and conference organizing committee, Ontario Science Centre, July 2015

RELEVANT PROJECTS

- Pelita Tournament** The G-Node Advanced Scientific Programming in Python school is targeted at PhD students and Postdoctoral Fellows from all areas of science. It teaches a selection of advanced programming techniques and best practices that are standard in the industry and tailored to the needs of a programming scientist. Pair programming is used throughout the school while covering topics in practical software development. The course culminated in a group programming tournament, in which each group writes a bot implementation of a pacman-like game called Pelita. This gives scientists the chance to put their software development skills to practical use, using any number of strategies (e.g. machine learning) to create a winning bot. I was on the winning team.
- Neurodoro** In collaboration with NeuroTechX, a Toronto-based non-profit organization focused on the advancement of neurotechnology, I helped spearhead a project called Neurodoro, a dynamic brain-responsive Pomodoro productivity timer developed using React Native that uses EEG data from Muse headband devices, now available as an android app. I created secondary research reports on measuring human attention using BCIs and assisted in collecting sample data. I was responsible for the UI/UX development of the app, conducting usability testing and independently designing the logo, wireframes, and user interface for the app, making evidence-based design decisions using behavioural science. I also contributed to the development of the app. Machine learning techniques were applied to EEG data, with majority of ML development performed in TensorFlow. Finally, I collaborated with the development team for asset hand-off and on-going consultation.

MENTORING

- Sami Chouihna** Research Opportunity Program Student, 2018-Present
Facial attractiveness and morphology in relation to sibling sexual orientation: A test of the sexually antagonistic selection hypothesis of male same-sex attraction
- Karissa Singh** Research Opportunity Program Student, 2018
Sexual orientation and the development of anal sex role
- Tyler Pacheco** Research Opportunity Program Student, 2018
Differences in cognition in relation to sexual orientation
- Allana Braga** Independent Research Project Student, 2017-2018
Testing biological theories of sexual orientation using anthropometric measures

Adhm Zahran	Honours Thesis Student and Volunteer, 2017-Present Biological variation in same-sex attracted males delineated by anal sex role
Tanya Brkic	Volunteer, 2016-2017 Effects of perinatal Insulin-like Growth Factor 1 administration on neural sexual dimorphisms
Lindsay Melhuish	Independent Research Project Student and Volunteer, 2015-2017 Effects of global and neural androgen receptor overexpression on the spinal nucleus of the bulbocavernosus
Mehek Badiani	Independent Research Project Student, 2015-2016 Organizational and activational effects of androgen receptors on motoneurons in a sexually dimorphic spinal nucleus
Chris Lowden	Honours Thesis Student, 2015-2016 Investigating Insulin-like Growth Factor 1 and the early postnatal development of the sexually dimorphic spinal nucleus of the bulbocavernosus
Emily Jodi Chen	Volunteer, May-September 2015 Effects of global and neural androgen receptor overexpression on the spinal nucleus of the bulbocavernosus
Natasha Douglas	Volunteer, May-September 2015 Neural and non-neural contributions of androgen receptor to olfactory and partner preference in mice

SELECTED MEDIA COVERAGE

Juzwiak, R. (April, 2017). "Born to Bottom? Researchers Report Biological Correlations in Anal Sex Role in Gay Men": <http://jezebel.com/born-to-bottom-researchers-report-biological-correlati-1794233584>

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Beresford, M. (April, 2017). "Scientific research has made links between biology and gay men who bottom": <http://www.pinknews.co.uk/2017/04/30/scientific-research-has-made-links-between-biology-and-gay-men-who-bottom/>

Villarreal, D. (April, 2017). "Genetics May Play a Role in Whether You're a Top, a Bottom or Versatile": <https://unicornbooty.com/genetics-top-bottom-gay-sex/>

Avery, D. (May, 2017). "Scientist Find Biological Link to Whether You're A Top or A Bottom", <http://www.newnownext.com/top-bottom-gay-sex-study/05/2017/>

Haigh, J. (April, 2017). "Born to be a bottom? New study hints sexual role preferences are determined at birth?": <http://attitude.co.uk/born-to-be-a-bottom-new-study-hints-sexual-role-preferences-are-determined-at-birth/>

Besanvalle, J. (April, 2017). "Researchers discover links between biology and bottoming for gay men: Biology could explain preferences to bottom or top": <http://www.gaystarnews.com/article/researchers-discover-links-to-biology-and-bottoming-in-gay-men/>

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Gremore, G. (May, 2017). "Science may have found a link between biology and men who bottom": <https://www.google.ca/amp/s/www.queerty.com/science-may-found-link-biology-men-bottom-20170501/amp>

Henderson, R. (May, 2017). "Top or bottom? Research suggests there is a link between biology and gay sex position": <http://www.gaytimes.co.uk/news/71154/top-bottom-research-suggests-link-biology-gay-sex-position/>

Junes, T. (May, 2017). "Bottom-zijn uitgelegd? Jonger, linkshandig en gender-non-conform?": <http://zizo-online.be/article/11483>

Kerwin, A. (May, 2017). "Científicos encuentran una explicación biológica a por qué eres activo o pasivo": <https://www.cromosomax.com/36043-cientificos-encuentran-una-explicacion-biologica-a-por-que-eres-activo-o-pasivo>

Lehmiller, J. (May, 2017). "Genetic factors might explain nuances of male gay behavior, study claims": <https://geneticliteracyproject.org/2017/05/17/genetic-factors-might-explain-nuances-male-gay-behavior-study-claims/>

Lehmiller, J. (May, 2017). "Genetics may determine if gay men are tops or bottoms": https://tonic.vice.com/en_us/article/genetics-may-determine-if-gay-men-are-tops-or-bottoms

Waugh, R. (May, 2017). "Are Gay Men Born to be 'Tops' or 'Bottoms'? New Research Looks at Gene Links": <http://metro.co.uk/2017/05/02/are-gay-men-born-to-be-tops-or-bottoms-new-research-looks-at-gene-links-6611491/>

Morasi (May, 2017). "Attivo o passivo: una ricerca afferma che il ruolo è definito dalla genetica": <https://www.pianetagay.com/attivo-passivo-ricerca-afferma-ruolo-definito-dalla-genetica/>

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Stevens, S. et al. (February, 2018). "Building a local community of practice in scientific programming for Life Scientists": <https://www.biorxiv.org/content/early/2018/02/15/265421.full.pdf+html>

Vrangalova, Z. (July, 2018). "Bottoms Have More Older Brothers, According to Science":
<https://www.them.us/story/science-says-bottoms-have-more-older-brothers>