

**FIRYAL RAMZAN**  
University of Toronto Mississauga  
Psychology Department  
3359 Mississauga Rd N.  
Office: 905-569-4889  
Email: [firyal.ramzan@mail.utoronto.ca](mailto:firyal.ramzan@mail.utoronto.ca)

## EDUCATION

- **Doctorate of Philosophy in Psychology, September 2014 – Present**  
Supervisor: Dr. D. Ashley Monks  
University of Toronto  
Department of Psychology  
100 St. George St  
Toronto, ON  
M5S 3G3  
Research Focus: *Effects of Androgen Receptor Expression on Estrogenic Pathways.*
- **Master of Arts in Psychology, Conferred November 2014**  
Supervisor: Dr. D. Ashley Monks  
University of Toronto  
Department of Psychology  
100 St. George St  
Toronto, ON  
M5S 3G3  
Thesis: *Effects of Androgen Receptor Overexpression on Select Sexually Dimorphic Neural Structures.*
- **Honours Bachelors of Science in Behaviour, Genetics, and Neurobiology, Conferred November 2013**  
Supervisor: Dr. D. Ashley Monks  
University of Toronto at Mississauga  
3359 Mississauga Rd  
Mississauga, ON  
L5L 1C6  
Thesis: *Overexpression of Androgen Receptors with a Polyglutamine Expansion in Motoneurons Leads to Deficits in Endurance.*

## PUBLICATIONS

1. Swift-Gallant, A., Coome, L. A., **Ramzan, F.**, & Monks, D.A. (December 04, 2015). Non-neural androgen receptors affect sexual differentiation of brain and behavior. *Endocrinology*, 157 (2), 788-798.
2. **Ramzan, F.**, McPhail, M., Rao, P., Mo, K., Halievski, K., Swift-Gallant, A., Mendoza-Viveros, L., Cheng, H-Y., & Monks, D.A. (April 22, 2015). Distinct etiological roles for myocytes and motor neurons in a mouse model of Kennedy's disease/spinobulbar muscular atrophy. *Journal of Neuroscience*, 35 (16), 6444-6451.
3. Swift-Gallant, A., **Ramzan, F.**, Coome, L. A., & Monks, D.A. (*Submitted Biology of Sex Differences, May 2016; BOSD-D-16-00047*). Organization of male-typical preference for female cues is affected by both neural and non-neural androgen receptors in mice.

4. **Ramzan, F.**, Swift-Gallant, A., Coome, L. A., & Monks, D.A. (*In prep*). Androgen receptor overexpression leads to masculinization of the CALB-SDN.

## CONFERENCE PRESENTATIONS

**Ramzan, F.\***, Azam, A., Monks, D.A., Zovkic, I.B. (Accepted May 2016). Androgen receptor overexpression leads to deficits in fear-conditioning in male mice. Society for Behavioral Neuroendocrinology 20th Annual Meeting, Montreal, Canada. (Poster)

**Ramzan, F.\***, Azam, A., Swift-Gallant, A., Monks, D.A., Zovkic, I.B. (Accepted Apr 2016). Androgen receptor overexpression leads to deficits in fear-conditioning in male mice. International Behavioral Neuroscience Society 2016 Annual Meeting, Budapest, Hungary. (Poster)

Coome, L.A.\*., Melhuish, L., Swift-Gallant, A., **Ramzan, F.**, & Monks, D. A. (Accepted Apr 2016). Effects of global and neural androgen receptor overexpression on the spinal nucleus of the bulbocavernosus. Society for Behavioral Neuroendocrinology 20th Annual Meeting, Montreal, QC, CA. (Poster)

Coome, L.A.\*., Melhuish, L., Swift-Gallant, A., **Ramzan, F.**, & Monks, D. A. (May 2016). Effects of global and neural androgen receptor overexpression on the spinal nucleus of the bulbocavernosus. Graduate Research Colloquium, University of Toronto Mississauga (Poster)

Swift-Gallant, A.\*., Coome, L.A., **Ramzan, F.**, & Monks, D. A. (Oct 2015). Non-neural androgen receptors affect sexual differentiation of brain and behavior. Society for Neuroscience Annual Meeting, Chicago, IL, USA. (Oral Talk - Nanosymposium)

**Ramzan, F.\***, Swift-Gallant, A., Coome, L.A., & Monks, D. A. (June 2015). Androgen receptor overexpression affects cell size in SDN-POA. Society for Behavioral Neuroendocrinology 19th Annual Meeting, Pacific Grove, CA, USA. (Poster)

Swift-Gallant, A.\*., Almeida, D., Kretschmer, B., **Ramzan, F.**, Coome, L.A. & Monks, D.A. (October 2014). Roles for neural and non-neural androgen receptors in the organization of masculine olfactory preference. Society for Neuroscience Annual Meeting, Washington, D.C., USA. (Poster)

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. Organization for the Study of Sex Differences, Minneapolis, MN, USA. (Poster)

McPhail, M.\*., Halievski, K., **Ramzan, F.**, Rao, P., & Monks, D.A., (October 2012). Selective overexpression of androgen receptor within motoneurons produces motor deficits in transgenic mice. Poster presentation - Society for Neuroscience Annual Meeting, New Orleans, LA, USA. (Poster)

\* *Indicates Presenting Author*

## GRANTS, AWARDS, AND OTHER ACCOMPLISHMENTS

NSERC-PGSD (Postgraduate Scholarship Doctoral) Award, 2016-2018	\$21 000.00 /year
UTM, Psychology Research Impact Award 2016, 2 <sup>nd</sup> place	\$100.00
UTM, Psychology Travel Award, 2016	\$2000.00
UTM, Dean's Travel Award 2016	\$400.00

UTM, Psychology Travel Award, 2015	\$1320.00
School of Graduate Studies (SGS) Travel Grant, 2015	\$690.00
University of Toronto Mississauga (UTM) Psychology Graduate Student Development Grant	\$7000.00
Queen Elizabeth Aiming for the Top Undergraduate Scholarship, 2008-2009, 2009-2010	\$3500/year
UTM Undergraduate Dean's List, 2008-2009, 2009-2010	

### **CURRENT SOCIETY MEMBERSHIPS**

International Behavioral Neuroscience Society  
 Society for Behavioral Neuroendocrinology  
 Society for Neuroscience

### **VOLUNTEERING AND OTHER ACTIVITIES**

Coordinator, Let's Talk Science Mississauga	2016
Graphic Designer/Director of Promotions and Advertising, Science Rendezvous Mississauga	2015-2016
Secretary/Treasurer, UTMAGS (University of Toronto Mississauga Association of Graduate Students)	2015-2016
Poster Presentation Judge, SEXposium Conference on Sex and Love	Summer 2015
Graduate Student Advisor, Inkblot: The Undergraduate Journal of Psychology at the U of T	2015
Volunteer, Let's Talk Science Challenge and Outreach	2014, 2015
Presentation and Poster Presentation Judge, Ontario Biology Day	2014
Research Assistant, Monks Lab	2012-2013

### **TEACHING AND MENTORING**

#### *MENTORING*

Mary Loka – Summer student 2015; Individual Research Project 2015-2016  
 Project Title: Investigating Effects of AR on Mitochondrial Biogenesis

Mina Rizk – Individual Research Project 2015-2016  
 Project Title: Investigating AR Colocalization with Mitochondria.

Katrina Aranas – Psychology Undergraduate Honours Thesis, 2014-2015  
 Thesis Title: Androgen Receptors Activate Mitochondrial Activity in Rats

#### *TEACHING ASSISTANT*

PSY399 – Psychobiology Lab Course

PSY341 – Abnormal Psychology: Disorders of Children and Adolescents

PSY354 – Biopsychology of Sex

PSY346 – Abnormal Psychology: Biological Paradigms

PSY290 – Introduction to Physiological Psychology

PSY201 – Research Design and Analysis in Psychology I

PSY100 – Introductory Psychology

BIO152 – Introduction to Evolution and Evolutionary Genetics