

John F. Imbery (CV)

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Name: John F. Imbery

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Education

2013-Current Ph.D Candidate in Biomedical Sciences, Concentration: Neuroscience and Neurological Disorders, University of Toledo College of Medicine, OH, USA

2009-2013 B.S. in Neuroscience, Minor in Music, Cum Laude
The College of William & Mary, Williamsburg, VA, 23185

Abstracts, Poster Presentations, and Exhibits Presented at Professional Meetings

Feb 2015 Poster presentation at Biophysical Society 59th Annual Meeting in Baltimore, MD
Poster title: Acidic Calcium Stores Contribute to Secretory Activity Following Elevation of cAMP in the Salivary Gland

Local Invited Presentations

March 2017: Oral seminar at CGBS Graduate Research Forum
Seminar title: cAMP Dependent Recruitment of Acidic Organelles for Calcium Signaling in the Salivary Gland

May 2016: Invited talk to Sjogren's Support Group at Indiana University Health Neuroscience Center.
Seminar Title: Purine-derived Molecules: Alternative Pathways for Calcium Signaling and Saliva Secretion in the Salivary Gland

April 2016: Oral seminar at Midwest Graduate Research Forum
Seminar Title: cAMP Dependent Recruitment of Acidic Organelles for Calcium Signaling in the Salivary Gland

March 2016: Poster presentation at CGBS Graduate Research Forum
Poster title: cAMP Dependent Recruitment of Acidic Organelles for Calcium Signaling in the Salivary Gland

- Sep 2015: Invited talk to Sjogren's Support Group at ProMedica Flower Hospital
Seminar title: Contribution of Acidic Stores to Calcium Signaling in the Salivary Gland
- April 2015: Invited article for publication in local newspaper The Toledo Blade
Article title: UT Students Investigating Ways to Prevent Dry Mouth
- March 2015: Poster presentation at CGBS Graduate Research Forum
Article title: Acidic Calcium Stores Contribute to Secretory Activity Following Elevation of cAMP in the Salivary Gland

Honors and Prizes

- September 2016: "Image of the Week" awarded by American Journal of Physiology-Cell Physiology

Appointments

- January 2017: Graduate Student Representative for University of Toledo Library Committee

Report of Scholarship

- January 2017: Recipient of Student Satellites Auxiliary Scholarship
- August 2014: Recipient of predoctoral fellowship, College of Medicine and Health Sciences, University of Toledo

Peer reviewed publications in print or other media

Imbery JF, Bhattacharya S, Khuder S, Weiss A, Goswamee P, Iqbal AK, and Giovannucci DR. cAMP-dependent recruitment of acidic organelles for Ca²⁺ signaling in the salivary gland. *Am J Physiol Cell Physiol* 311: C697-C709, 2016.

Bhattacharya S, **Imbery JF**, Ampem PT, and Giovannucci DR. Crosstalk between purinergic receptors and canonical signaling pathways in the mouse salivary gland. *Cell Calcium* 58: 589-597, 2015.

Starr ER, **Imbery JF**, and Collins SA. Subthalamic Nucleus Cell-Specific Expression of Nicotinic Acetylcholine Receptors Uncovers Novel Basal Ganglia Microcircuits. *J Neurosci* 35: 10645-10646, 2015. (This is a journal club review article)

Manuscripts in Preparation

Imbery JF, Iqbal AK, and Giovannucci DR. Role for NAADP-dependent Ca²⁺ signaling in the mouse salivary gland.

Dissertation

Role of Acidic Organelles for Calcium Signaling in the Salivary Gland

Formally Supervised Trainees

2016 Azwar Iqbal (medical student, University of Toledo College of Medicine). Training in primary cell culture, live-cell fluorescent staining, live-cell calcium imaging, and confocal microscopy.

2014 Sura Khuder (medical student, University of Toledo College of Medicine). Training in primary cell culture and live-cell calcium imaging.

2014 Amanda Weiss (lab technician, Chung Lab, University of Illinois at Urbana-Champaign). Training in primary cell culture, live-cell calcium imaging, and live-cell fluorescent staining.

References

1. David R. Giovannucci, Ph.D., Professor, Director of Raymond & Beverly Sackler Laboratory for Neuroendocrine Tumor Research, Department of Neurosciences, University of Toledo Medical Center, Toledo, OH, USA.

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