

Jane Huang

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Education

- Ph.D. 2015 – Present
University of Pittsburgh, Pittsburgh, PA
Neuroscience
- B.A., *summa cum laude* 2012
Colgate University, Hamilton, NY
Cellular Neuroscience, High Honors in Classics

Research Experience

University of Pittsburgh, Pittsburgh, PA 2016 – Present
Graduate student, Nathan Urban Lab

- Assessing the roles of ion channels in biophysical diversity among principle cells of the olfactory bulb (OB)
- Investigating the differential roles of subpopulations of OB granule cells in mediating lateral inhibition
- Whole-cell patch clamp recording in acute OB slices with optogenetic stimulation

University of Pittsburgh, Pittsburgh, PA

Rotation student, Sharyl Fyffe-Maricich Lab

2015

- Studied whether upregulation of ERK activity enhances oligodendrocytes and oligodendrocyte progenitor cell proliferation and myelination
- Studied whether upregulation of ERK activity in oligodendrocytes attenuates disease progression in a mouse model of multiple sclerosis
- Immunocytochemistry, immunohistochemistry, mice behavioral testing

National Institutes of Health, Bethesda, Maryland

2013 – 2015

Postbaccalaureate Intramural Training Award Fellow, Peng Loh Lab

- Investigated the role of carboxypeptidase E (CPE) in neurite outgrowth
- Evaluated the role of CPE and its truncated isoform in CPE- Δ N in cancer metastasis using patient tumor samples
- Western blots, RT-PCR, qRT-PCR, RNA isolation, molecular cloning, cell culture, gel electrophoresis

Colgate University, Hamilton, NY

2011

Undergraduate Researcher and Senior Thesis

- Investigated the effects of glyceryl triacetate (GTA) on protein expression of iNOS and inflammation in primary mixed glial cultures
- Evaluated the potential therapeutic potential of GTA in a mouse model of multiple sclerosis
- Primary cell culture, Western blots, nitrite and protein assays, mice behavioral testing

Teaching Experience

University of Pittsburgh, Pittsburgh, PA

2017

Graduate Teaching Assistant, "Drugs and Behavior," Department of Neuroscience

- Led review sessions before exams to reinforce key concepts for class
- Assisted instructor in creating exam and quiz questions

Colgate University, Hamilton, NY

2010 – 2012

Tutor, Ancient Greek

- Aided students with their understanding of Ancient Greek grammar and syntax
- Assisted instructor with grading students' homework

Awards & Honors

- Trainee, NIH T32 NS007433, Center for Neuroscience, University of Pittsburgh 2016 – 2017
- Postbaccalaureate Intramural Training Award, National Institutes of Health 2013 – 2015
- Phi Beta Kappa, Colgate University 2012
- Konosioni Senior Honor Society, Colgate University 2012
- Class of 1997 Award (for campus leadership), Colgate University 2012

J. Curtiss Austin Latin Prize, Colgate University	2012
Eta Sigma Phi (for classical studies), Colgate University	2011
Charles A. Dana Scholar (for leadership and academic excellence), Colgate University	2010 – 2012
Award for Excellence in the Classics, Colgate University	2010
Baldwin Greek Prize, Colgate University	2010
Dean's Award, Colgate University	2008 – 2012

Publications

- Selvaraj P., **Huang J.S.**, Chen A., Skalka N., Rosin-Arbesfeld R., Loh Y.P. (2015). Neurotrophic factor- α 1 modulates NGF-induced neurite outgrowth through interaction with Wnt-3a and Wnt-5a in PC12 cells and cortical neurons. *Molecular and Cellular Neuroscience*, 68, 222-233.
- Cawley, N.X., Dhanvantari, S., **Huang, J.**, & Loh, Y.P. (2014). Internet. "Prohormone Convertases, Ch. 4074." In *Reference Module in Biomedical Sciences*. Amsterdam: Elsevier.

Other Experience & Professional Memberships

Student Member, Society for Neuroscience	2016 – Present
Associate Faculty, Faculty 1000	2014 – 2015
Primary Editor, NIH Fellows Editorial Board	2013 – 2015
Desktop Support Specialist, EBI Consulting, Burlington, MA	2013

Languages

English	Native-level fluency
Mandarin Chinese	Native speaker, fluent
Spanish	Basic proficiency
Thai	Basic proficiency