ISABEL D'ALESSANDRO

Contact
idalessa@wellesley.edu
978.884.7725

21 Wellesley College Road
Unit 1523, Wellesley MA 02481

EDUCATION

Wellesley College (2014-Present)   Wellesley, MA
Candidate for BA, May 2018
Major: Neuroscience, Minor: Computer Science | GPA: 3.88
Saint Thomas Aquinas High School (2010-2014)   Dover, NH
Valedictorian

RESEARCH

Aug'16-Present **Research Assistant-Wellesley College Neuroscience Dept. (Wasserman Lab)** Wellesley, MA
Project: Sensory integration of thermal, visual, and olfactory stimuli by Drosophila in flight

Jun'16-Aug'16 **Summer Research Fellow- Harvard Medical School/Brigham and Women's Hospital** Boston, MA
(Quintana Lab)
Project: The role of Basigin as an actrocyte regulator in multiple sclerosis and EAE

Jan'15 -Present **Research Assistant- Wellesley College Neuroscience Dept. (Wiest Lab)** Wellesley, MA
Project: Role of medio-dorsal frontal and posterior parietal neurons during auditory detection
performance in rats

Dec'15-Feb'16 **Research Assistant- Massachusetts Institute of Technology(Fraenkel Lab)** Cambridge, MA
Project: Determining signatures of neurodegenerative diseases through
bioinformatic analysis of genetic and epigenetic data

Jun'15-Aug'15 **Summer Research Fellow - Princeton Neuroscience Institute (Murthy Lab)** Princeton, NJ
Project: The role of acoustic signal recognition in the control of *Drosophila* female behavior

WORK EXPERIENCE

Sept '16- Present **Teaching Assistant, Brains Minds and Machines: The Science of Intelligence** Wellesley, MA
Developed lab activities (MATLAB GUIs) for new course being offered Spring 2017 at Wellesley
College through the Neuroscience and Computer Science departments on the subject of
human and machine intelligence.

Sept'14-Present **Science Club for Girls,** *Mentor Scientist, Curriculum Developer* Newton, MA
Lead weekly lessons for a class of 12 2nd-4th grade girls about human biology and chemistry
and direct interactive experiments; wrote and piloted a biochemistry curriculum in
Newton, to be taught at Science Club for Girls sites across the country starting in the spring

Aug'15-Present **Pforzheimer Learning and Teaching Center,** *Academic Peer Tutor* Wellesley, MA
Serve as a general peer academic advisor for a group of 153 students and provide particular
academic mentorship for first-year students; plan and deliver workshops throughout the year

ACTIVITIES AND LEADERSHIP

Wellesley College Neuroscience Club, *President*   2015-Present
Wellesley Science Club for Girls, *President, Mentor Scientist*   2014-Present
Partners in Health Engage, Education and *Community Building Lead*   2014-2017

AWARDS

Buegeleisen Family MS Undergraduate Research Fellowship Recipient   2016
Cosyne Undergraduate Travel Grant Recipient   2016
Wellesley College First Year Chemistry Award   2015

SKILLS/ ADDITIONAL INFORMATION

Technical: Proficient in Microsoft Word, Excel, PowerPoint. Working knowledge of Python, Java, JavaScript, R, Ruby, HTML/CSS, MATLAB, bash/command line
Language: Proficient in Spanish (speaking, reading, writing)

ISABEL D'ALESSANDRO