

Raymond Sanchez

rayeasanchez.com

Experience

- Aug 2020 - **Interim Postdoctoral Research Fellow, University of Washington** Seattle, WA
- Collected and analyzed diverse datasets examining human sleep under challenging circumstances, including pediatric clinical populations and people experiencing homelessness
 - Collected and analyzed email client and smartphone use metadata to examine how sleep timing and work habits have changed as a result of the COVID-19 pandemic
 - Implemented cutting-edge wireless optogenetics technology in the de la Iglesia laboratory at UW Biology to study brain encoding of circadian rhythms and fear
- Sep 2015 – Aug 2020 **PhD Candidate, University of Washington** Seattle, WA
- Designed experiments, collected data and developed novel analysis tools for independent dissertation research projects examining and sleep disturbances in epilepsy. Experience with research techniques ranging from molecular biology, genetics, time series analysis and machine learning
 - Co-authored 4 peer-reviewed manuscripts published in high-impact basic science and clinical research journals
 - Co-developed open-source Python toolkit for analysis of sleep data
 - Trained and mentored 5 undergraduate and graduate student lab members
 - Contributed to 20 local and international conference presentations, including poster presentations and invited talks
 - Awarded competitive grant to support dissertation research, valued at over \$100,000
- 2014-2015 **Science Writer, University of Arizona News** Tucson, AZ
- Pitched and wrote over two dozen popular science articles for the University of Arizona Press office

Education

- 2015-2020 **PhD, University of Washington** Seattle, WA
Graduate Program in Neuroscience
Lab of Horacio de la Iglesia, Department of Biology
- 2011-2015 **Bachelor of Science, University of Arizona** Tucson, AZ
Major in Neuroscience & Cognitive Science
Minor in Information Science, Certificate in Entrepreneurship

Additional Experience

- 2017 – 2020 **Editor, Grey Matters Neuroscience Magazine** Seattle, WA
- Served as lead editor for undergraduate popular neuroscience magazine, coordinating teams of 9-12 graduate student reviewers to edit articles written by undergraduate researchers
- 2017 – 2020 **Science Communication Fellow, Pacific Science Center** Seattle, WA
- Designed and facilitated a hands-on activity for museum guests to learn about the neuroscience of sleep
 - Participated in PSC-led outreach events around the city of Seattle aimed at increasing public awareness of science
- 2017 – 2020 **Teaching Assistant, University of Washington** Seattle, WA
- Served as teaching assistant for undergraduate classes in molecular neurobiology, sleep, circadian rhythms and neurological diseases
 - Created course content and gave lectures, graded exams and led hands-on laboratory exercises, including the design of an online sleep lab exercise for courses given during the COVID-19 pandemic

2019 – 2020

Web Manager, Bioscience Careers Seminar Series

Seattle, WA

- Maintained website for seminar series designed to help University of Washington graduate students and postdoctoral fellows find jobs outside of academia
- Identified and invited professionals from local industry and nonprofit research communities to give talks

2016 – 2019

Student Representative, UW Neuroscience Admissions Committee

Seattle, WA

- Evaluated at least 30 of over 300 applications to the Graduate Program in Neuroscience each year, participated in interview and admissions decisions
- Served as lead student representative for the 2018-2019 cycle, managed and delegated responsibilities to all other students on the committee