

TAVARES ORTIZ

Laboratory Research Assistant

✉ tavareso4@gmail.com

☎ (123) 456-7890

📍 New York, NY

🌐 linkedin.com/in/tavares-ortiz

WORK EXPERIENCE

Laboratory Research Assistant

Percipalle Lab, New York University

📅 2016 - current 📍 New York, NY

- Spearheaded project involving the application of protocols to produce induced pluripotent stem cells (iPSCs) to study how actin and myosin contribute to **changes in 3D genome organization**
- Developed a rigorous testing infrastructure for these protocols utilizing advanced imaging and genome wide analyses
- Results from these studies **led to 2 publications focused on the identification of novel elements** that control genome organization during formation of iPSCs
- Managed a team of 2 graduate research assistants and 2 undergraduate research assistants

Laboratory Research Assistant

Biodesy

📅 2013 - 2016 📍 San Francisco, CA

- Generated protein reagents, developed biochemical and biophysical assays and executed small-molecule screens with the aim of developing novel therapeutic targets
- Implemented data analysis techniques in R to increase the speed of demonstrating **efficacy of new techniques by over 55%**
- Regularly presented findings in front of the entire company to get buy-in from executive leadership regarding research direction
- Planned, developed and executed relevant assays to monitor structural changes in protein conformations in collaboration with the team

Graduate Research Assistant

Feng Lab, University of Southern California

📅 2011 - 2013 📍 Los Angeles, CA

- Assisted in experiments and **data analysis leading to 3** publications centered around identifying molecular drivers of prostate cancer pathogenesis
- Performed knock-down experiments using shRNA lentiviral infection and CRISPR-based techniques
- Assisted with mouse colony management, including breeding, weaning, tagging, and PCR genotyping

EDUCATION

Bachelor of Science

Chemistry

University of Southern California

📅 2006 - 2010

📍 Los Angeles, CA

Master of Science

Biochemistry

University of Southern California

📅 2010 - 2012

📍 Los Angeles, CA

SKILLS

- CRISPR based techniques
- Molecular cloning
- Quality control
- Data analysis
- Literature review
- RNA isolation
- Flow cytometry