

# TAVARES ORTIZ

*Laboratory Research Assistant*

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📍 New York, NY

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## 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

## 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

## SKILLS

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