

# JANET WEI

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## EDUCATION

- 
- Hillsborough High School, Hillsborough NJ** **2014-2018**
- GPA: 4.0 / 103.94
- Rutgers University School of Arts and Sciences, New Brunswick NJ** **2018-Present**
- Honors College | GPA: 4.0
  - Majors: Molecular Biology and Biochemistry, Marine Biology | Minor: Chemistry

## LABORATORY EXPERIENCE

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- Waksman Student Scholar Program, Hillsborough High School** **Fall 2016**
- Performed gene sequence analysis of the duckweed plant and published isolated sequence in GenBank
  - Gained experience in PCR, restriction digest analysis, and DNA sequence entry data programs such as BLASTn and BLASTp
- Honors Introduction to Molecular Biology and Biochemistry Research, Rutgers University** **Fall 2018**
- Maintained own yeast strain and performed spot assay, mating assay, X-gal filter lift assay, ONPG assay, gel electrophoresis, and PCR/restriction digest analysis
- Jacinto Lab, RWJMS Department of Biochemistry and Molecular Biology** **Feb 2019-Dec 2020**
- Examined the effects of glutamine synthetase on mTORC2 during glutamine starvation
  - Presented data and research paper analyses to principal investigator and peers during lab meetings
  - Experienced in immunoblotting, PCR, cell tissue culture, mouse genotyping, and Bradford assay
- The Douglass Project: STEM Summer Stipend** **Summer 2019**
- Completed 350+ hours of research on mTORC2 in a Douglass Residential College program, culminating in a poster session
- Nakamura Lab, Rutgers University Department of Genetics** **Jan 2020-Present**
- Investigate the influence of the *Gli3* gene in zebrafish girdle development
  - Experience with bacterial culture, vector DNA construction, and RNA sequence analysis
- Publications**
- Cordover, E., Wei, J., Patel, C., Shan, N.L., Gionco, J., Sargsyan, D., ... Minden, A. (2019). KPT-9274, an inhibitor of PAK4 and NAMPT, leads to downregulation of mTORC2 in triple negative breast cancer cells. *Chemical Research in Toxicology*.

## LEADERSHIP

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- Rutgers University Kidney Disease Screening and Awareness Program (KDSAP) – Secretary** **Fall 2018-Present**
- Maintain communication with KDSAP's National Program Coordinator, club members, and potential screening locations
  - Volunteer at kidney disease screenings by recording participants' medical history, urinalysis results, blood glucose measurement, and BMI and inputting said information into KDSAP's research database
- Rutgers University Asian Student Council (ASC) – Secretary** **Fall 2019-Present**
- Maintain communication and co-sponsorship with all Rutgers University Asian cultural clubs under the governmental body of Asian Student Council
  - Attend leadership retreats encouraging collaboration among Rutgers University cultural centers and minority bodies
- Honors College Ally Program – First-year Mentor** **Fall 2019-Present**
- Provide academic, social, and personal guidance to an assigned, incoming Honors College first-years with a similar major
  - Regularly attend Honors College leadership workshops designed to improve mentorship skills

## EXTRACURRICULARS

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- Sourland Conservancy, Hopewell NJ – Intern** **Spring 2018**
- Maintained communication with Sourland stewards and local residents/high schools to promote environmental advocacy
  - Published a guide detailing invasive Sourland flora and their local look-a-likes to encourage invasive species awareness
- Semester of Service – Volunteer** **Fall 2018**
- Managed food inventory for the Rutgers Student Food Pantry throughout the Fall 2018 semester
- S.T.E.A.M. Ambassador** **Jan 2019-Present**
- Traveled to New York City for one week as a Douglass Honors College student with neuroscience-based artist Julia Buntaine to explore the interdisciplinarity between STEM/Art
  - Advocate for the union of STEM and art and share my personal experience through S.T.E.A.M. program presentations
- Private Tutor** **Spring 2018-Present**
- Tutor high schoolers and university undergraduates in algebra, chemistry, and calculus