Sarah Warda

❖ sarah.warda96@gmail.com ❖ (206) 617-8319 ❖ Bristol, CT ❖ sarwarda.github.io

EDUCATION

Johns Hopkins University – Whiting School of Engineering **September 2020 – December 2023**
Masters of Science, ***Data Science*** *Baltimore, MD*

- Estimated ~3.9 GPA
- Completed coursework related to programming, machine learning, advanced statistics, and higher-level calculus

Rutgers University – School of Arts and Sciences **September 2014 – May 2018**
Bachelors, Major: ***Genetics****, Minor: Psychology* *New Brunswick, NJ*

- *Cum Laude* honors; 3.5 GPA
- Awarded Aresty Research fellowship in 2017 for independent research project with Department of Neuroscience and Department of Genetics
- Sigma Alpha Pi – Honor Society in 2016; Dean's List throughout 2014-2018

WORK EXPERIENCE

Memorial Sloan Kettering Cancer Center **May 2018 – September 2020**
Research Technician *New York, NY*

- Statistical analysis and data visualization of Tumor Progression Models to assess gene manipulation significance.
- Implemented drug studies from dosing to analysis of drug efficiency; Drug studies included chemotherapy, gene therapy via viral vectors, and immunotherapy.
- Created orthotopic models surgically for gene knockout comparisons and maintained patient derived xenografts within a database and the physical colony.
- Supported senior lab members with creation and enhancement of research procedures in vivo and in vitro.
- Prepared presentations each quarter using thorough charts, graphs, and tables to represent new findings.
- Managed 5+ research projects at a time and was published on three articles so far.

Rutgers University – Department of Neuroscience **May 2017 – May 2018**
Research Assistant *New Brunswick, NJ*

- FACs analysis of Immune responses to manipulated RNA-specific mechanisms; visualization of immune cell trends.
- Gathered and produced research data to create representative graphs and charts highlighting results for Aresty Grant presentation in Spring 2018 symposium.

Rutgers University – National Institute for Early Education Research **September 2015 – May 2018**
Research Assistant *New Brunswick, NJ*

- Entered and analyzed survey and psychological test data using statistical models created in SPSS.
- Assisted with academic research used to inform and shape policies for high-quality, early education for young children across the country.

Rutgers University – Residence Life **May 2017 – May 2018**
International Mentor *New Brunswick, NJ*

- Oversee and guide assigned International Students in their first year at Rutgers University.

SKILLS & INTERESTS

- **Skills:** Python (i.e. NumPy, SciPy, TensorFlow, Pandas, NetworkX, Jupyter Notebooks, etc.); SQL (i.e. MySQL); Machine Learning (i.e. Linear Models, Decision Trees, K-means); revenue modeling/forecasting, relational databases, Graphpad Prism, FlowJo, Neural Networks, Tableau, Paraview, Clinical data handling, in-vivo/in-vitro research.
- **Interests:** Dogs; Videogames; Music Production; Naps; Cooking; Waterscapes (beaches, waterfalls, lakes)

RESEARCH & PUBLICATIONS

[1] Patel, Amish J., **Warda, Sarah**, Maag, Jesper L. V., Misra, Rohan, Miranda-Román, Miguel A., Pachai, Mohini R., Lee, Cindy J., Li, Dan, Wang, Naitao, Bayshtok, Gabriella, Fishinevich, Eve, Meng, Yinuo, Wong, Elissa W. P., Yan, Juan, Giff, Emily, Pappalardi, Melissa B., McCabe, Michael T., Fletcher, Jonathan A., Rudin, Charles M., … Chi, Ping. (2022). PRC2-Inactivating Mutations in Cancer Enhance Cytotoxic Response to DNMT1-Targeted Therapy via Enhanced Viral Mimicry. In Cancer Discovery (Vol. 12, Issue 9, pp. 2120–2139). American Association for Cancer Research (AACR). https://doi.org/10.1158/2159-8290.cd-21-1671

[2] Yan, Juan, Chen, Yuedan, Patel, Amish J., **Warda, Sarah**, Lee, Cindy J., Nixon, Briana G., Wong, Elissa W. P., Miranda-Román, Miguel A., Yang, Ning, Wang, Yi, Pachai, Mohini R., Sher, Jessica, Giff, Emily, Tang, Fanying, Khurana, Ekta, Singer, Sam, Liu, Yang, Galbo, Phillip M., Jr., Maag, Jesper L. V., … Chi, Ping. (2022). Tumor-intrinsic PRC2 inactivation drives a context-dependent immune-desert microenvironment and is sensitized by immunogenic viruses. In Journal of Clinical Investigation (Vol. 132, Issue 17). American Society for Clinical Investigation. https://doi.org/10.1172/jci153437

[3] Chi, P., Qin, L. X., Nguyen, B., Kelly, C. M., D'Angelo, S. P., Dickson, M. A., Gounder, M. M., Keohan, M. L., Movva, S., Nacev, B. A., Rosenbaum, E., Thornton, K. A., Crago, A. M., Yoon, S., Ulaner, G., Yeh, R., Martindale, M., Phelan, H. T., Biniakewitz, M. D., **Warda, S**., … Tap, W. D. (2022). Phase II Trial of Imatinib Plus Binimetinib in Patients With Treatment-Naive Advanced Gastrointestinal Stromal Tumor. Journal of Clinical Oncology : official journal of the American Society of Clinical Oncology, 40(9), 997–1008. https://doi.org/10.1200/JCO.21.02029