Siqing Wang

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Education

Columbia University — New York, NY
Master of Science in Biostatistics (Public Health Data Science) — Sep 2023 – May 2025
Relevant courses: Biostatistics Methods, Data Science, Epidemiology, Health Economics

Johns Hopkins University — Baltimore, MD
Bachelor of Science in Molecular and Cellular Biology — Sep 2018 – Dec 2021
Cumulative GPA: 3.98/4.00; Departmental and General Honors; Recipient of BDP summer research award

Relevant Experience

Pfizer, *Beijing, China* — May 2023 – Aug 2023
Marketing Intern, VIZIMPRO® (Dacomitinib) team

- Pioneered the use of **Power BI** within the Lung Cancer BU to consolidate 5+ data sources for visualization and analytics; developed an **interactive BI report** to analyze 20k+ To-The-Hospital sales data, automating 80% of manual work and providing comprehensive insights on business performance to the management team.
- Interviewed HCPs and the sales team and delivered an in-depth **marketing strategy analysis** via market and customer segmentation, patient journey mapping, and campaign evaluation; proposed a detailed action plan on HCP outreach, sales management, and campaign planning which was adopted by senior leadership.
- Ensured accurate accessibility to 2 years of hospital listing data and generated weekly newsletter on market access progress; identified regions with significant gap and under-released potential for management follow-up.

Johns Hopkins University School of Medicine, *Baltimore, MD* — May 2022 – Apr 2023
Clinical Research Data Coordinator, Transplant Oncology & Infectious Disease

- Built and managed **REDCap databases** for 9 early-phase clinical trials in transplant oncology; designed user-friendly electronic Case Report Forms and provided timely database updates per study protocol amendments, ensuring compliance and optimizing data collection efficiency.
- Oversaw clinical trial data collection and data quality by maintaining **regular communication** with study teams from 10+ participating sites to guarantee accurate data capture.
- Provided data support for 5 interim safety reviews via **collaboration** with project managers, safety monitors, and principal investigators to develop **data validation plans** and conduct data auditing, safeguarding data integrity.
- Worked jointly with Sr. Data Analysts to generate tables and reports, fulfill data extraction request, clean and transform data, and perform exploratory analyses using **Stata**, contributing to manuscripts and posters**.**

Johns Hopkins University School of Public Health, *Baltimore, MD* — Jun 2021 – May 2022
Research Assistant / Research Technologist

- Developed and evaluated 3 biophysical techniques to isolate the capsular polysaccharide (CPS) from the fungal pathogen *Cryptococcus neoformans;* designed and optimized biochemistry assays to investigate CPS architecture and immunological properties; performed exploratory analyses to quantitatively compare CPS isolation methods, contributing to a co-authored publication (Wear & Jacobs et al., 2022).

Skills & Certificates

Data Analysis: Stata, R, Python (Actively learning SAS and SQL)
Tools: Microsoft Excel, PowerPoint, Power BI (Power Query, DAX), REDCap
Clinical Research Certificates: Good Clinical Practice, Human Subjects Research, Information Privacy Security

Publications

- Danchik, C., **Wang, S**., & Karakousis, P. C. (2021). Targeting the mycobacterium tuberculosis stringent response as a strategy for shortening tuberculosis treatment. Frontiers in Microbiology, 12. https://doi.org/10.3389/fmicb.2021.744167
- Wear, M. P., Jacobs, E., **Wang, S**., McConnell, S. A., Bowen, A., Strother, C., Cordero, R. J. B., Crawford, C. J., & Casadevall, A. (2022). Cryptococcus neoformans capsule regrowth experiments reveal dynamics of enlargement and architecture. Journal of Biological Chemistry, 298(4), 101769. https://doi.org/10.1016/j.jbc.2022.101769