Abigail Orzechowski

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Graduate student in MPH Epidemiology at Columbia University, graduating in May of 2023. Experienced in infectious and chronic disease research and epidemiology consulting. Eager to add value in the field of infectious disease epidemiology.

EDUCATION

Columbia University Mailman School of Public Health/ NY, USA   *Aug 2021-Expected May 2023*
Master of Public Health in Epidemiology, Infectious Disease Epidemiology Certificate
- *Relevant coursework*: Applied Epidemiologic Analysis, Analysis of Categorical Data, Design & Conduct of Observational Epi (SAS), Infectious Disease Epi, Emerging Infectious Diseases, Molecular Epi (R)

University of Pittsburgh/ PA, USA   *Aug 2016-Apr 2020*
B.S. in Biology, B.S. in Psychology, Minor in Chemistry, Conceptual Foundations of Medicine Certification
- *Honors*: Panthers Forward Scholarship (2019-2020), Psi Chi Honor Society in Psychology, Dean's List
- Teaching Assistant: Anatomy & Physiology Laboratory (Aug-Dec 2019)

PROFESSIONAL EXPERIENCE

TTi Health Research & Economics   **New York, NY**
Epidemiology Consulting Intern   *May 2022–Sept 2022*
- Conducted literature reviews for client-driven projects to gather and summarize health-related information
- Prepared the results of research for publication in trade journals through manuscript development
- Analysed primary and secondary data sources, recommending appropriate scientific methodologies to clients

University of Pittsburgh   **Pittsburgh, PA**
Research Technician II   *Jun 2020–Aug 2021*
- Designed, conducted, and analyzed experiments adhering to standard virology methods to assess chikungunya virus
- Cloned and sequenced a panel of 35 chikungunya virus mutants to better understand virus-cell interactions
- Reformulated ELISA protocol, reducing non-specific binding to more accurately characterize viral mutant strain binding

University of Pittsburgh Medical Center   **Pittsburgh, PA**
Certified Nursing Assistant   *May 2018-Jan 2020*
- Monitored patient health status via vitals and charting, effectively communicated with healthcare providers
- Complied with HIPAA standards to guarantee patient privacy and protection in all interactions and documentation

RESEARCH EXPERIENCE

Columbia University Mailman School of Public Health   **New York, NY**
Graduate Student Researcher   *May 2022-Present*
- Reviewed current literature, collecting data on autonomic dysfunction and biomarkers in Long COVID
- Contributed to grant funding proposals supporting Long COVID research and community outreach

Behavioral Medicine Research Group   **Pittsburgh, PA**
Directed Research Student   *Mar 2019-Apr 2020*
- Presented undergraduate thesis to key investigators: *Effect of Interpersonal Stress on Inflammation in Midlife*
- Led data collection and training sessions, directing study participants of various backgrounds
- Wrangled, maintained, and performed multivariate analysis on experimental data with SAS

UMPC Children's Hospital Silva Lab   **Pittsburgh, PA**
Research Assistant   *Aug 2019-Apr 2020*
- Performed experiments designed to study Chikungunya virus attachment and entry in mammalian cells
- Instituted an organizational inventory of laboratory items and cell culture, enhancing experimental efficiency

CERTIFICATIONS & SKILLS

*Computer Skills***:** MS Office (Word, Excel, PowerPoint); Statistical software (SAS, SPSS, R, STATA)
*Certifications***:** HIPAA (Privacy & Security Awareness) / CITI (Responsible Conduct of Research)/ Certified Nursing Assistant
Laboratory Research Skills: ELISA, Cloning, Immunofluorescence Cell Imaging, PCR, Cell Infection, Plaque Assay