

Accomplished, focused *Healthcare Professional* with years' experience combining research processes, case management, public and global health support expertise. Natural leader and investigator who's confident overseeing and collaborating with fellow scientific researchers, case subjects and public health leaders to lead and execute community and local health strategies. **Areas of expertise includes:**

Department Collaboration | Data Collection & Analysis | Procedures & Protocols Development | Experiment Administration Case Oversight | State & Local Health Regulations | Training Materials Development | Database Management | Confidential Information Management | Grant Writing | Epidemiology Support | Emotional Intelligence | TB Treatment

EDUCATION & CREDENTIALS

Master of Public & Global Health, George Mason University, Fairfax, VA (2021)

Bachelor of Science, Biochemistry, Saint Vincent College, Latrobe, PA (2019)

- Dean's List (2017 – 2019)

Relevant Skills & Additional Information:

Lab Tools & Procedures: GC-MS, NMR, IR, HPLC, UV-VIS, Flame AA, ICP analysis, Western blots, ELISAs, fluorescence spectroscopy, PCR, macroinvertebrate sampling, BSL-2 techniques, protein isolation, water & air quality testing

Technical & Soft Skills: Microsoft software, EPI Info, VEDSS

Honors & Awards:

- Patriot Scholarship & High Impact Grant, George Mason University (2021)
- Presidential Scholarship, Saint Vincent College (2019)
- 1st Place Academic Poster Award, 257th Annual Meeting of the American Chemical Society Conference (2019)

RESEARCH & WORK EXPERIENCE

Public Health Officer (Aug 2021 – Present), *Loyal Source Government Agency, Fort McCoy, WI*

Oversaw effective, efficient patient treatment and case management processes by coordinating and directing activities of interagency team consisting of DOD, DHS, CDC, military and contractor personnel. Also aided in patient diagnoses, reported medical statistics to leadership team and developed syndromic surveillance code to alert of potential boost in positive tests.

- Led infectious disease operations by partnering with physicians to assess and diagnose conditions, isolating and quarantining across the boards, approving release clearance, and monitoring movements, medication and follow-up.
- Guaranteed health and safety of Afghan refugees by establishing operations for refugee camp, building health department from ground up, and devising protocols for managing infectious diseases.
- Improved administrative processes by developing database for storing disease information, patient data and progress; and regularly consulting with state and local health departments to sustain seamless reporting operations.

Case Investigator (Aug 2020 – Aug 2021), *Virginia Department of Health, Richmond, VA*

Contributed to case management initiatives by coordinating COVID-19 investigation and contact tracking processes. Reviewed reports of potential and positive cases and conducted interviews to compile data for epidemiologists and health educators.

- Consistently collected and updated data of newly diagnosed patients (i.e symptoms, exposures, contacts info), and reviewed info for accuracy before entering into statewide database.
- Informed, enforced and monitored patients' compliance with quarantine isolation guidelines and state practices.

Liver Cancer Scientific Researcher (May 2019 – Aug 2021), *Global Liver Institute, Washington, D.C.*

Aided in development of institution's global liver profile and research efforts by building data set to analyze global rates and helping with grant writing, and support programs focused on discovering health equity and inconsistencies in liver disease.

- Ensured patients remained informed of latest liver cancer developments by aiding in creation and implementation of educational materials and programs and translating complex medical data into patient-friendly language.
- Planned medical, professional, patient/caregiver's review of materials; also provided scientific review on SPORE grant.
- Created resources providing insight into journey of those diagnosed with liver cancer by conducting research from evidence-based, peer-reviewed publications and existing patient studies.

Research Experience:

Contributor, Liver Fluke & Liver Cancer Co-Morbidity Research (Nov 2020 – May 2021), *George Mason University, Fairfax, VA*

- Systematic review analyzing influence of comorbidities on advancement of liver fluke progression to liver cancer. Identified research gaps by examining existing literature and addressing areas where further research is needed.

Contributor, Natural Product Research (Aug 2018 – Mar 2019), *Saint Vincent College, Latrobe PA*

- *Antibacterial Properties of the Extractions from Wild Blue Phlox*, Allison O'Rourke, Senior research thesis analyzing different extractions of wild blue phlox used in Native American traditional medicine practices. Utilized different parts of plants and tested extractions against different bacteria to determine presence of antibacterial properties.

Assistantships:

Saint Vincent College, Latrobe, PA

Research Asst., Biochemistry Department, Dr. Matt Fisher (Aug 2017 – May 2019)

Laboratory Asst., Chemistry & Biology Department (Aug 2016 – May 2019)

Teaching Asst., Chemistry & Biology Department (Aug 2016 – May 2019)

Contributed to biology and chemistry lab operations by helping supervisors with validation of experiments and equipment, preparation and safety, documentation and management of classes.

- Partnered with biochemistry department head to drive current research initiatives, conduct experiments and analyze results consisting of mostly protein work such as ELISAs, western blots and columns/ gels. (*Research Assistant*)
- Helped Lab Manager calibrate and troubleshoot instruments, conduct field sampling and testing, analyze and collect data, draft technical papers/reports and revise. (*Laboratory Assistant*)
- Supported student success by mentoring on lab procedures and performance. Also administered quantitative and qualitative analyses, including managing test solutions, compounds and reagents. (*Teaching Assistant*)

CONFERENCES

- **Poster & Oral Presenter**, O'Rourke A. *Antibacterial Properties of the Extractions from Wild Blue Phlox*, 257th Annual Meeting of the American Chemical Society Conference. Orlando, FL (March 2019).