

Nicholas Schaffer

More detailed versions are available upon request

Education

University of Maryland Baltimore County (UMBC)

2023

- Merit Scholarship Recipient
- Biological Science, BS
- Computer Science, BS

Training through the Maryland Fire and Rescue Institute

- Emergency Medical Technician
 - Certified in June of 2017 and qualified in accordance with all Maryland and National Registry standards
 - Supplemental COVID-19 vaccine administration training
- PEAFF and SCBA trained
- FEMA Incident command courses and certifications
- VFIS Emergency Vehicle Operator Course (EVOC) and Rescue1 Swiftwater Rescue Technician (SRT)

Professional Experience

EMT

- Responded to 911 calls in accordance with the BLS level of care, treating and transporting patients as necessary.
- Learned professionalism in the face of stress and management of critical incidences.
- Performed inter-facility transport in accordance with BLS level of care.
- Assisted ALS providers and critical care teams.

Teaching Assistant, Emergency Health Services EMT class

- Assist in teaching the Emergency Medical Technician class
 - Directed skills labs and scenario-based training
 - Proctored written and practical exams

Seasonal Park Ranger

- Responded to medical emergencies and water rescues in accordance with training
- Assisted with park operations and facility maintenance
- Learned important workplace skills involved with full-time employment

Research Experience

Research Technician, Lindberg Laboratory, UMSOM

- Performed biochemical and cell biology assays to investigate research questions including: plasmid preparation, Western blotting, cell culture, lipotransfections, cell immunocytochemistry and microscopy, and immunoprecipitation. Calculated and plotted results using GraphPad. Presented results at lab meetings and contributed to authorship of manuscripts.

UMBC "Phage Hunters" SEA-PHAGES program

- Isolated and characterized novel actinobacteriophage viruses
- Annotated and analyzed whole phage genomes
- Conducted novel bioinformatics research using phage genomic data and presented findings through poster presentations and authorship

Completed Research

Kumar S, Schaffer N, Bharmal Z, Mood Q, Erill I, Caruso S. Complete Genome and Characteristics of Cluster BC Bacteriophage SoJo, Isolated from *Streptomyces mirabilis* NRRL B-2400 in Columbia, Maryland. In Review.

Primary author on one and co-author on two bacteriophage genomes in NCBI, accession numbers: OQ938581, OQ938586, and OQ995431

Poster Presentations

Miller A, Schaffer N, Diebolt J. Examination of Late Stage Lytic Genes in BI Cluster Actinobacteriophages, May 12th, 2023.

Schaffer N, Einsig J. From Soil to Sipho: The story of Miek. UMBC Phage Hunters Poster Gala, December 6th, 2022.

Schaffer N, Nair S, Lindberg I. The ProSAAS Neural Chaperone Interacts with Endoplasmic Reticulum Proteins. Greater Baltimore Society for Neuroscience Conference, September 30th, 2022.

Volunteer History

Volunteer EMT, local Ambulance & Rescue Company

2014 - Present

- Volunteered as a company cadet and presently as an EMT
- Assisted in maintaining apparatus and company facilities
- Interacted with the public through fundraising and public safety events
- Responded to 911 calls as an EMT, treating and transporting patients as necessary
- Gained valuable professional skills, as well as confidence in handling important tasks and emergency situations