

BURN SURGERY RESEARCH AND INNOVATION HIGHLIGHTS

SUMMER 2025



TRANSLATING STATISTICAL THEORY INTO PRACTICE

Over the summer, **Cameron Almeida**, a NEOMED M4, worked with **Dr. Mark Fridline**, Chair of Statistics at the University of Akron, to apply advanced statistical techniques to complex datasets. Their discussions focused on rigorous methods to uncover meaningful patterns and strengthen research validity, giving Cameron valuable insight into translating theory into practice.



SHOWCASING INNOVATION AT THE MILITARY HEALTH SYSTEMS RESEARCH SYMPOSIUM

Dr. Deepak Ozthail and **Kim Priban** represented Akron Children's at the 2025 Military Health Systems Research Symposium, presenting pilot data on using next generation sequencing to analyze burn wound microbiomes. The work was well received and underscored the importance of innovation in military medicine.



HANDS-ON DISCOVERY AT HOME AND ABROAD

During her MI summer at NEOMED, **Jillian Wilkerson** (left) traveled to South Carolina to gain hands-on training in advanced biomedical laboratory techniques. Working under the mentorship of **Dr. Mindy Engevik**, she focused on experimental design and the management of organoid-based research.

While conducting research at Dhulikhel Hospital in Nepal, NEOMED student **Jane Boyle** (right) also collaborated remotely with **Dr. Deepak Ozthail** on a study examining frailty in burn patients. Through this mentorship, she gained valuable experience in scoping literature reviews, manuscript development, and the analysis and interpretation of complex statistical data.