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Functional Genomics of Difficult to Treat Enterococcal Isolates and Their Viral Adversaries

Madison is currently an infectious disease fellow and postdoctoral scholar at the University of Pittsburgh Medical Center (UPMC). She obtained her PhD in Biochemistry and Molecular Genetics from the University of Virginia, studying human centromere epigenetics with Dr. Daniel Foltz. Afterwards, she obtained her MD from New York Medical College in Valhalla, NY where she developed a clinical and research interest in infectious diseases. She has since completed her internal medicine residency at UPMC and has continued on at UPMC for her fellowship training in infectious diseases, serving as Chief ID Fellow for the 2021-2022 academic year. She is currently a T32 post-doctoral scholar at the University of Pittsburgh working in the laboratory of Dr. Daria Van Tyne. Madison's research focuses on the adaptations of vancomycin-resistant enterococci during recurrent and persistent infections as well as the clinical use of enterococci-targeting bacteriophages. In addition to her research activities, Madison also recently joined the Early-Career Editorial Board at mBio.