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*Genomics of Carbapenem-resistant Enterobacterales in the USA*

Dr. Hanson is an infectious disease epidemiologist with extensive experience in applying advanced genomic technologies and big-data analytical methods to investigate infectious diseases of public health importance. His laboratory uses a combination of existing and innovative laboratory techniques, and cutting-edge sequencing and bioinformatics to study infectious disease transmission and colonization, how microbial communities impact the development of disease, and how antimicrobial resistance develops and transmits through society.