

Robert Quinn

Assistant Professor of Biochemistry at Michigan State University

East Lansing, MI, US

Robert Quinn's current research is on how the human microbiome is a consortium of microorganisms living on and in our bodies.

Biography

As an assistant professor at Michigan State University I use multi-omics methods including metagenomics, metabolomics and classic microbiology approaches to understand the causes of dysbiosis in host-associated microbial communities. I have studied the microbiome of everything from salmon, to lobsters, to corals, to lungs to guts, to whatever is next. I'm a huge sports fan and spend some of my spare time trying figure out how to apply advanced baseball statistics to microbiome research. I was raised in Bancroft, Ontario, Canada in close proximity to Algonquin Park which sparked my early interest in biology through constant interaction with the outdoors. I received my undergraduate and Master degrees in microbiology at the University of Guelph in Ontario, Canada. I then completed a PhD with Dr. Andrei Chistoserdov at the University of Louisiana at Lafayette studying the microbiome of Epizootic Shell Disease in the American Lobster. I completed my postdoctoral studies with Dr. Forest Rohwer at San Diego State University and Pieter Dorrestein at UC San Diego studying the cystic fibrosis lung microbiome, coral reefs and other complex microbial systems.

Areas of Expertise

Microbiome , Cystic Fibrosis, Bile Acid, Metabolomics, Microorganisms, Microbiology, Environmental and Evolutionary Biology

Education

University of Louisiana at Lafayette

PhD Environmental and Evolutionary Biology

University of Guelph

MSc Microbiology

University of Guelph

BSc Microbiology

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