Brief intro to metagenomics and other works in Niranjan’s lab

Dr Niranjan Nagarajan

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Brief bio of speaker:

Niranjan Nagarajan is Associate Director and Senior Group Leader in the Genome Institute of Singapore, and Associate Professor in the Department of Medicine and Department of Computer Science at the National University of Singapore. His research focuses on developing cutting-edge genome analytic tools and using them to study the role of microbial communities in human health. His team conducts research at the interface of genetics, computer science and microbiology, in particular using a systems biology approach to understand host-microbiome-pathogen interactions in various disease conditions. Niranjan received a B.A. in Computer Science and Mathematics from Ohio Wesleyan University in 2000, and a Ph.D. in Computer Science from Cornell University in 2006 (Advisor: Uri Keich). He did his postdoctoral work in the Center for Bioinformatics and Computational Biology at the University of Maryland working on problems in genome assembly and metagenomics (Advisor: Mihai Pop). Lab webpage: https://mtms-lab.github.io/