

Bikash Sahay

Research Associate Professor at University of Florida

Gainesville, FL, US

Bikash Sahay works on the interaction of *Borrelia burgdorferi* with its host and the beneficial use of gut microbes-derived products.

Biography

Bikash Sahay's research focuses on identifying and using microbes or their products to treat human ailments, including those with infectious origins. Although it is largely unexplored and under appreciated, gut microbiota plays a critical role in health and disease states. The human gastrointestinal (G.I.) tract harbors a complex consortium of trillions of microbes, thousands of bacterial phylotypes, methanogenic archaea and fungi colonizing the entire gut length, collectively referred to as the microbiota, which produces 100-fold many gene products as the host. Lyme disease is caused by a spirochete and could cause long-lasting inflammation in the host. Bikash's research attempts to identify the molecular mechanism of the persistence of its ever-lasting symptoms.

Areas of Expertise

Gut-Microbiota, Lyme Disease, Probiotic-Engineering and Application

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