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“Measuring the Human Immune Response in Lyme Disease”

Dr. Aucott is an Assistant Professor of Medicine in the Division of Rheumatology at Johns Hopkins University Medical School and the Director of the Johns Hopkins Lyme Disease Research Center. He is principal investigator for the SLICE studies of acute Lyme disease and Post-treatment Lyme disease Syndrome. His research interests center on the pathophysiology, diagnosis and treatment of persistent illness after initial antibiotic treatment of Lyme disease and has resulted in over 20 peer reviewed publications. Dr. Aucott is an internationally recognized authority on Lyme disease and has served on panels sponsored by National Academy of Medicine (NAM), formerly the Institute of Medicine (IOM), the Canadian Institutes of Health Research, and the American Academy for the Advancement of Science.

Conference Lecture Summary

The host immune response plays a critical role in determining the outcome of infectious diseases. In addition, ongoing host immune and inflammatory responses can perpetuate symptoms that persist and drive illness. Studies of the human immune response in Lyme disease are showing the complexity of the interaction between *Borrelia burgdorferi* and the innate and adaptive immune responses. Data will be presented to show the unique immune responses among patients with early Lyme disease before and after treatment.