



Speaker Profile

Speaker **Ali H. Ellebedy**

Designation Associate Professor,
Pathology & Immunology, School of Medicine, Washington University in St. Louis, Missouri, USA.

Title The Life Cycle of a B cell

Abstract A successful response to vaccination requires that responding B cells undergo massive transformations in both phenotype and function. In my talk I will discuss how we are studying the dynamics and evolution of human B cell responses to SARS-CoV-2 vaccination and how such studies could help us improve our current therapeutics against this virus.

Biography In 2006, Ali joined Richard Webby's lab at St Jude Children's Research Hospital in Memphis for his Ph.D. studies. In 2011 he moved to Emory University in Atlanta where he studied human B cell responses to influenza viruses as a postdoc in Rafi Ahmed's lab. In 2017, Ali joined the Department of Pathology and Immunology at Washington University School of Medicine as an assistant professor where he started his own research group. In 2021, he was promoted to an associate professor.

Research interests

- Cellular and molecular mechanisms that regulate memory B cell heterogeneity and fate.
- Understanding the rules for eliciting broadly neutralizing B cell responses against rapidly evolving pathogens, such as influenza viruses.

E-mail ellebedy@wustl.edu