



Office of Faculty Development

Pathology & Immunology

Ali Ellebedy, PhD is a viral immunologist. He was born in Asyut, Egypt. His family later moved to Cairo where he graduated with a B.S. in pharmaceutical sciences from Cairo University in 2004. It was during his time at pharmacy school that he was first exposed to and became fascinated with immunity to viruses. After working for a year as a community pharmacist in Cairo, he realized that this was not for him. So, in 2006, he moved to the US where he joined the influenza virology laboratory of Richard Webby at St Jude Children's Research Hospital in Memphis, TN for his Ph.D. studies. He earned his Ph.D. in 2011 and moved to Emory University in Atlanta, GA, where he was a postdoctoral fellow in the laboratory of Rafi Ahmed. At Emory, he studied human B cell responses to influenza and Ebola viruses. In 2017, Ali joined the Department of Pathology and Immunology at Washington University School of Medicine as an Assistant Professor.



Current research: A human adult harbors thousands of circulating naïve and memory B cells that are specific to influenza virus antigens at any time point. These cells target different parts of the virus. They also have varying levels of maturation and distinct differentiation potential. Ali and his team are trying to understand which of these factors (and how) plays a role in determining the ultimate fate of these cells once they are re-engaged via influenza virus infection and vaccination.

Hobbies: (when he is not stressing about upcoming submissions/resubmissions/deadlines)

- 1) Spending time with his kids
- 2) Reading history and philosophy
- 3) Watching National Geographic Wildlife documentaries

