

Cooper, Meagan

Dr. Cooper is an Assistant Professor and Pediatric Rheumatologist at Washington University in St. Louis. She earned her MD/PhD from The Ohio State University and completed her training in Pediatrics and Rheumatology at Washington University and St. Louis Children's Hospital. Her scientific background is in natural killer cell biology, and during her PhD and post-doctoral fellowship, her work delineated novel roles for human NK cell subsets and identified the innovative concept of NK cell memory. Her laboratory currently investigates mechanisms of NK cell activation, including long-term priming of NK cells for memory functions, and the influence of the metabolic microenvironment on NK cell function. Dr. Cooper also has an interest in defects of the immune system that lead to pediatric autoimmunity and immune deficiency, and her laboratory uses genetic sequencing to uncover novel molecular mechanisms of pediatric disease. Her clinical interests are in diseases of immune dysregulation and she cares for patients in rheumatology and Immunology clinics, and she is the Director of Clinical Immunology and Program Director of the Pediatric Rheumatology Fellowship at Washington University and St. Louis Children's Hospital. Work in the Cooper laboratory is supported by the NIH, the Children's Discovery Institute and St. Louis Children's Hospital, the Jeffrey Modell Foundation, and the Crohn's and Colitis Foundation.