

## **Bydersdorfer, Craig**

Dr. Craig Byersdorfer is an Assistant Professor at the Children's Hospital of Pittsburgh. He completed undergraduate studies at the University of Minnesota and earned his MD and PhD degrees from Washington University in St. Louis, followed by residency and fellowship training at the University of Michigan. During fellowship, he worked with Dr. James Ferrara to study the role of immune cell metabolism during graft-versus-host disease (GVHD), making the seminal discovery that GVHD-causing T cells adopt alternative forms of metabolism, including an increased reliance on the oxidation of fat. He has expanded on these studies to further investigate both the drivers of fat oxidation in alloreactive T cells, as well as to elucidate the role of additional metabolic proteins during GVHD development. Going forward, Dr. Byersdorfer will continue his investigations into the biology of the cellular energy sensor AMP-activated protein kinase (AMPK), paying particular attention to the role of AMPK in regulatory T cells and the ability of AMPK to influence GVHD in human T cells. Dr. Byersdorfer is honored to be chosen for membership in the Society for Pediatric Research and is thankful for the critical support and timely recognition at this stage of his career.