

## Jonas Halfvarson

**IBD - Is the inflammation caused by  
genetic predisposition or  
environmental exposure?**

**Campus USÖ, Hörsal C3  
October 11<sup>th</sup> 2017  
12.15-13.00**

Jonas Halfvarsons research goal is to disentangle the influence of genetic predisposition and early environmental exposure in the pathogenesis of inflammatory bowel disease (IBD), i.e. Crohn's disease and ulcerative colitis. He aims to accomplish this by characterizing the early preclinical stage of the disease in the twin model, including aspects of the microbial composition and the subclinical inflammation. Based on a deeper mechanistic understanding he also aims to identify biomarkers that can be used to diagnose the diseases (diagnostic biomarkers) and to foresee who will progress to a severe disease status (prognostic biomarkers).

