Postdoc position in Inflammatory Bowel Disease

A postdoc position funded by the Broad Medical Research Program & Crohn’s Colitis Foundation of America, is available in the Host-Microbe Interface & Gut Immunity Lab of Dr. Sinéad Corr, located in the Department of Microbiology, Moyne Institute of Preventative Medicine, Trinity College Dublin, for appointment as soon as possible and for a 1 year period (a second year may be offered subject to review). Salary offered Level 2 point 3, IUA.

Background to the project:
Inflammatory bowel disease (IBD), a chronic inflammatory disorder affecting the gastrointestinal (GI) tract, is a lifelong debilitating disorder for which there is no known cure, affecting over 2 million people in Europe. In IBD, the metabolic environment of the gut is changed, with accumulation of a number of metabolites upon activation of immune cells and increased metabolic processes. There is an evolving understanding of how these metabolites can alter the phenotype and function of immune cells, however, our understanding of whether these altered metabolites impact epithelial cells and barrier integrity which is key to the pathogenesis of chronic inflammation and IBD is limited. Using clinical samples obtained from IBD patients and healthy controls, the candidate will determine any association between inflammatory metabolites, impaired barrier integrity and IBD. Taken together, this work hopes to provide insight into potential new biomarkers or therapeutic targets for IBD.

Requirements:
Applicants are expected to have a solid background knowledge on immunology and inflammation, and to have experience with standard methods in cellular and molecular biology (qRT-PCR, Western blot, ELISA, IHC). In addition, experience handling and processing clinical samples will be preferred.

Please send CV’s detailing lab experience to Dr Sinéad Corr, corrsc@tcd.ie

Application deadline: October 21st 2016