

Translating immunology into new therapies for Inflammatory Bowel Disease

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The gastrointestinal (GI) tract is home to trillions of commensal bacteria that play an important role in nutrition, immune system development and host defence. In inflammatory bowel disease (IBD), a chronic debilitating disease of the gastrointestinal tract, there is a breakdown in the healthy dialogue between our body and our microbial residents resulting in chronic immune attack in the bowel. In this presentation I will review our new studies on maladapted myeloid cell mesenchymal cross talk as a driver of treatment resistant IBD and discuss how understanding these pathways may provide new therapies for the treatment of chronic inflammatory diseases.