

“The Orchestration of Life and Death by Bacterial Gut Pathogens”

Dr Jaclyn Pearson

NHMRC Peter Doherty Early Career Research Fellowship and Research Group Head in the Centre for Innate Immunity and Infectious Diseases

Dr Jaclyn Pearson was recently appointed as a lab head within the Centre of Innate Immunity and Infectious Diseases at the Hudson Institute of Medical Research. A microbiologist by training, her broad research area is host-pathogen interactions, in particular the mechanisms by which bacterial gut pathogens, including enteropathogenic *E. coli* and *Salmonella* interfere with innate immune signalling in the gut to survive and cause disease.

Jaclyn has published several papers describing the mechanism by which bacterial virulence proteins specifically modify immune factors and has thus provided a number of insights into host processes that are not only essential for controlling infection but also for maintaining gut homeostasis. Her most recent work addresses the role of programmed cell death in the gut during infection and the implications of dysregulated immune responses for microbiome composition and the development of inflammatory disorders of the bowel.

**Date: Thursday,
9th November 2017**

12:00pm-1:00pm

A light lunch and refreshments to follow

Location:

**TRF Building,
Level 2,**

Seminar rooms 1+2

27-31 Wright Street,
Clayton, 3168

