

## 2017 Seminar Series



**Wednesday 30<sup>th</sup> of August  
12-1pm**

**Bio21 Institute Auditorium  
30 Flemington Road,  
Parkville**

**Dr Kate Weeks**

Baker Heart and Diabetes Institute

### ***Adrenergic regulation of class IIa histone deacetylases: identification of B55 $\alpha$ -PP2A as a novel regulator of HDAC5 and cardiac hypertrophy***

Kate studied biochemistry and molecular biology at the University of Melbourne before undertaking a PhD on the protective effects of exercise and PI3K signalling in cardiovascular disease at the Baker Heart and Diabetes Institute under the supervision of A/Prof Julie McMullen and A/Prof Marie Bogoyevitch. After finishing her PhD in 2012, she was awarded an Overseas Research Fellowship from the National Heart Foundation to undertake postdoctoral training in Professor Avkiran's laboratory at King's College London, where she investigated the role of histone deacetylases and protein phosphatases in pathological cardiac remodelling, which is the topic of today's talk. Kate returned to the Baker Institute at the start of 2016, where she has continued her work into the molecular mechanisms responsible for cardiac remodelling in settings of cardiovascular disease.