



# Department of Biochemistry and Molecular Biology

## 2018 Seminar Series



**Monday 26<sup>th</sup> of November  
12-1pm**

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

**Dr. Antoine Dufour**

*McCaig Institute for Bone and Joint Health and  
the University of Calgary*

### ***Cutting the pac-man game short: how proteases regulate inflammation***

Dr. Antoine Dufour joined the Department of Physiology and Pharmacology at the University of Calgary in Canada as an Assistant Professor in August 2017. Antoine obtained his BA (Hons.) in Chemistry from the State University of New York at Oswego, his MSc and PhD in Chemical Biology from the Stony Brook University (2010). He completed a Postdoctoral Fellowship in Biochemistry at the University of British Columbia in 2017 under the supervision of Dr. Chris Overall. Antoine's research is focused on the role of proteases in immunity and novel drug target identification in inflammatory musculoskeletal diseases. By the irreversible processing of bioactive proteins and signaling molecules, proteases modulate all aspects of biology. The goal of the Dufour Lab is to understand how proteolytic post-translational modifications lead to the activation or inactivation of immune responses in inflammatory diseases using quantitative mass spectrometry and systems biology approaches at the cell, tissue, and whole-organism level.

*ALL WELCOME. Please join us for a light lunch after the seminar!  
Further information: Matthew Dixon ([matthew.dixon@unimelb.edu.au](mailto:matthew.dixon@unimelb.edu.au))*

