

2018 Seminar

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Modulating Hyperinflammation during Severe Influenza Virus Infections

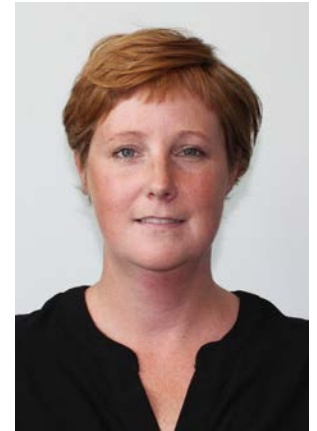
Michelle Tate

Hudson Institute of Medical Research

Dr Michelle Tate is an emerging leader in the fields of viral pathogenesis and immunology. After completing her PhD studies at the University of Melbourne in 2010, Michelle was recruited to the Centre for Innate Immunity and Infectious Diseases in 2011. Dr Tate is currently a NHMRC Career Development Fellow and head of the Viral Immunity and Immunopathology research group.

Dr Tate's research interests lie primarily in understanding the molecular mechanisms and pathways involved in the development of hyperinflammation and severe disease, particularly during influenza A virus infection. She has made a number of key contributions to understanding how innate immune defences modulate disease during influenza virus infection, as well as other infectious diseases. In particular, her recent studies have developed a novel paradigm regarding the role of the NLRP3 inflammasome during severe influenza virus infections. Dr Tate's research has been published in top virology, immunology and multidisciplinary journals such as *PLoS Pathogens*, *Immunity*, *eLife*, *Journal of Immunology*, *Journal of Virology* and *Scientific Reports*.

In recognition of her achievements, Dr Tate has been awarded an NHMRC project grant and NHMRC Early Career and Career Development Fellowships. Dr Tate has received numerous national and international awards, including the Christina Fleischmann Memorial Award (International Cytokine and Interferon Society 2016), Victorian Infection and Immunity Network Career Development Award (2016) and a Commendation for the Victorian Premier's Award for Health & Medical Research (2011). In addition, Dr Tate is a member of the *Journal of Virology* and *Virology Journal* editorial boards.



DATE

**THURS 16
AUGUST**

TIME

12.00PM – 1.00PM

LOCATION

**TRF BUILDING
LEVEL 2, SEMINAR
ROOMS 1 AND 2**