



AUT INSTITUTE OF BIOMEDICAL TECHNOLOGIES

SEPTEMBER 2016

IBTec RESEARCHERS SUCCESSFUL IN GAINING AN MBIE SMART IDEAS GRANT

IBTec researchers Drs Andrew Lowe and Andrew Kilding were successful in gaining an MBIE Smart Ideas Grant for a project, titled "Smart sensor design for high-quality, non-invasive, long term biopotential measurement". This is a 3 year \$1M project led by Dr Lowe and involving staff from the School of Engineering, Computer and Mathematical Sciences, Faculty of Health and Environmental Sciences and collaborations with industry, the University of Auckland and Callaghan Innovation.

IBTec HOSTED PROFESSOR JASON BATES



While visiting IBTec on Thursday 8 September, Professor Jason Bates gave a presentation entitled "*Modeling the force-length dynamics of airway smooth muscle*" to staff and students.

Jason H.T. Bates is a respiratory biomedical engineer and physiologist working predominately in the field of lung mechanics with a focus on the biophysical mechanisms of airways responsiveness and the pathophysiology of ventilator-induced lung injury. He is currently a member of the Vermont Lung Center at the University of Vermont (UVM) where he holds the positions of Professor of Medicine and Professor of Molecular Physiology & Biophysics in the UVM College of Medicine. From 2010-14 he also served as Interim Director of the School of Engineering in the UVM College of Engineering & Mathematical Sciences. Dr. Bates is Deputy Editor for the *Journal of Applied Physiology* as well as being on the editorial boards of the *Journal of Clinical Monitoring and Computing* and *Critical Reviews in Biomedical Engineering*. He is also a Fellow of the American Institute for Medical and Biological Engineering (AIMBE) and a Senior Member of the Institute of Electrical and Electronic Engineering (IEEE-EMBS).