

Cardiac Electrophysiology Satellite

ANZ Viaduct Events Centre, Auckland, New Zealand

April 11, 2015

**** name badges must state 'SATELLITE' for entry to this meeting****

Saturday 11th April (Room: Kawau 2)	
08.00	Registration + tea and coffee
08:30	WELCOME: Professor Peter Hunter
08.35	OPENING LECTURE: Natalia Trayanova (Johns Hopkins University, Baltimore) <i>How heart modelling can improve patient care</i>
SYMPOSIUM – CALCIUM HOMEOSTASIS AND ARRHYTHMIA	
09.30	David Paterson (University of Oxford) <i>Cyclic nucleotides and neural control of cardiac excitability: Implications for therapeutic targeting</i>
09.55	Pete Jones (University of Otago, Dunedin) <i>Role of RyR2 in arrhythmia</i>
10.20	Martin Falke (Max Delbrück Centre for Molecular Medicine, Berlin) <i>A rabbit ventricular cardiomyocyte model with spatially resolved calcium cycling</i>
10.45	Anne Gillis (Libin Institute, Calgary University) <i>Calcium and atrial fibrillation: A translational view</i>
11.10 Morning tea	
POINT COUNTERPOINT: FIBROBLASTS, FIBROSIS AND ARRHYTHMIA	
11.30	Peter Kohl (Imperial College, London)
12.00	Sasha Panfilov (Gent University)
12.30	Open Discussion
13.00 Lunch	
SYMPOSIUM – hERG CHANNELS CHANNELOPATHIES AND RISK ASSESSMENT	
14.00	Jon Skinner (Auckland City Hospital) <i>The clinical profile of long QT syndrome type 2</i>
14.25	Jun-ichi Okada (University of Tokyo) <i>Assessing cardiac safety of drugs with combined automated patch clamp and in silico propagation analyses</i>
14.50	Gary Mirams (University of Oxford) <i>Novel experiments to rapidly explore hERG channel kinetics</i>
15.15	Adam Hill (Victor Chang Cardiovascular Research Institute, Sydney) <i>Experimental design and inference for ion channel model selection and calibration</i>
15.40 Afternoon tea	
IMAGING AND IMAGE-BASED MODELLING IN CARDIAC ELECTROPHYSIOLOGY: NEW DIRECTIONS	
16.00	<i>Six short invited presentations followed by an open discussion</i>
17.30 – CLOSING REMARKS AND DRINKS	
18.30	