# 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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08.00</td>
<td><strong>Registration + tea and coffee</strong></td>
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<tr>
<td>08.30</td>
<td><strong>Welcome:</strong> Professor Peter Hunter</td>
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| 08.35 | **Opening Lecture:** Natalia Trayanova  
                      *(Johns Hopkins University, Baltimore)*  
                      *How heart modelling can improve patient care* |

## SYMPOSIUM – CALCIUM HOMEOSTASIS AND ARRHYTHMIA

| Time  | Speaker  
                      *(Institution)*  
                      *Presentation Title* |
|-------|------------------------------------------------------|
| 09.30 | David Paterson  
                      *(University of Oxford)*  
                      *Cyclic nucleotides and neural control of cardiac excitability: Implications for therapeutic targeting* |
| 09.55 | Pete Jones  
                      *(University of Otago, Dunedin)*  
                      *Role of RyR2 in arrhythmia* |
| 10.20 | Martin Falke  
                      *(Max Delbruck Centre for Molecular Medicine, Berlin)*  
                      *A rabbit ventricular cardiomyocyte model with spatially resolved calcium cycling* |
| 10.45 | Anne Gillis  
                      *(Libin Institute, Calgary University)*  
                      *Calcium and atrial fibrillation: A translational view* |

### 11.10 | **Morning tea**

## POINT COUNTERPOINT: FIBROLASTS, FIBROSIS AND ARRHYTHMIA

| Time  | Speaker  
                      *(Institution)*  
                      *Presentation Title* |
|-------|------------------------------------------------------|
| 11.30 | Peter Kohl  
                      *(Imperial College, London)*  
                      *Fibrolasts, fibrosis and arrhythmia* |
| 12.00 | Sasha Panfilov  
                      *(Gent University)*  
                      *Fibrolasts, fibrosis and arrhythmia* |
| 12.30 | Open Discussion |

### 13.00 | **Lunch**

## SYMPOSIUM – hERG CHANNELS CHANNELOPATHIES AND RISK ASSESSMENT

| Time  | Speaker  
                      *(Institution)*  
                      *Presentation Title* |
|-------|------------------------------------------------------|
| 14.00 | Jon Skinner  
                      *(Auckland City Hospital)*  
                      *The clinical profile of long QT syndrome type 2* |
| 14.25 | Jun-ichi Okada  
                      *(University of Tokyo)*  
                      *Assessing cardiac safety of drugs with combined automated patch clamp and in silico propagation analyses* |
| 14.50 | Gary Mirams  
                      *(University of Oxford)*  
                      *Novel experiments to rapidly explore hERG channel kinetics* |
| 15.15 | Adam Hill  
                      *(Victor Chang Cardiovascular Research Institute, Sydney)*  
                      *Experimental design and inference for ion channel model selection and calibration* |

### 15.40 | **Afternoon tea**

## IMAGING AND IMAGE-BASED MODELLING IN CARDIAC ELECTROPHYSIOLOGY: NEW DIRECTIONS

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<th>Time</th>
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<tr>
<td>16.00</td>
<td>Six short invited presentations followed by an open discussion</td>
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### 17.30 | **Closing Remarks and Drinks**

### 18.30