



11th International CellML Workshop  
 10 & 11 April 2017  
 Goldie Room, Waiheke Island, Auckland

Monday

Tuesday

**08:10 Ferry to Waiheke**

09:00 Welcome & housekeeping

09:30 **CellML**

Poul - state of the community  
 Andre - CellML 2.0  
 Tommy - PMR intro  
 Alan Garry - OpenCOR intro/overview  
 Hugh - libCellML

**Tools**

Gary Mirams - *Cardiac Web Lab, future directions*  
 Michael Clerx - *MyoKit and related*  
 Andre - *SED-ML Web Tools*

**10:30 Morning tea and posters**

11:00 **Bond graphs**

Edmund - *BG intro*  
 Nima - *Modelling of glucose uptake in the small intestine*  
 Soroush - *Endothelial to epithelial and back again via the circulation system*  
 Edmund/Michael - *uniting electro with chem in modelling cell physiology*  
 Peter - *Implementation of Bond Graph models with CellML and FieldML*

Aroli Marcellinus - *Development of CellML-based Simulation Platform for Cardiac Simulation*  
 Alan Garry - *OpenCOR + PMR workspaces*  
 Andre - *SED-ML + OpenCOR + PMR*  
 David Brooks - *OpenCOR + Python*  
 Alan Wu - *graphics state, WebGL*  
 Richard Christie - *OpenCOR + Zinc*

**13:00 Lunch and posters**

14:00 **Metadata and annotation**

Andre - *Annotating knowledge using PMR (OpenCMISS examples, plugins)*  
 Alan Garry - *annotation in OpenCOR*  
 Dewan - *Semantic annotation and discovery with CellML and PMR*  
 Koray - *Detailed methodology to link CellML models to clinical data*

CellML Editor nominees  
**Reproducibility and e-publishing**  
 Peter - *Physiome Journal*  
 Andre - *Curation/publication workflows*  
 Tommy - *PMR plans/future*

**15:30 Afternoon tea and posters**

16:00 **Modelling Challenges (Kenneth to facilitate)**

Jagir - *microbiome challenges/plans*  
 Alys - *Cell-cell interactions and vascular remodelling in pregnancy*  
 Vijay - *Cardiac Cell Under the Mathematical Microscope*

**Plans and discussion - Peter facilitating**  
 OpenCOR Future  
 Discussion and wrapup - *CellML 2.0+, libCellML, annotation tools...*  
 Peter - *closing remarks*

**17:00 Wine tasting**

17:30

**Depart Goldie**

**18:15 Ferry to Auckland**

Self funded dinner

10 minute talk (inc discussion)  
 20 minute talk (inc discussion)  
 30 minute talk (inc discussion)

**Zoom link for remote participation:**  
<https://auckland.zoom.us/j/767556917>

*Remote presentaton*