



Monday

14th International CellML Workshop
19 & 20 April 2021
Waiheke Island Resort, Auckland

Tuesday

09:00

Ferry to Waiheke

10:00

Morning tea

10:30 **Welcome and housekeeping**

SPARC FAIR Codeathon introduction

10:45 **Bond graphs**

Michael Pan - Analysing and simulating energy-based models in biology using BondGraphTools

Jagir Hussan - Bondgraph editor plugin for OpenCOR

Niloofar Shahidi - Model composition

Discussion: encouraging best practices in modelling (making bond graphs accessible)

Peter Hunter - 12 Labours: Extending the Physiome Project to the clinic and to home-based healthcare

Anand Jain & Shahriar Iravanian - CellMLToolkit.jl, a Julia package for importing CellML models to Julia's component based modeling system: ModelingToolkit.jl

12:30

Lunch

13:30 **Lightning talks**

Hugh Sorby - libCellML tutorial

Andre - libOmexMeta tutorial

15:00

Afternoon tea

15:30 **Reproducibility and model curation**

Thiranjia Prasad Babarenda Gamage - Importance of curation and reproducibility for developing clinical workflows

Andre - curation in practice: lessons from a reproducibility pilot with PLoS Computational Biology

Physiome Model Repository and publication of reproducible models

Andre - PMR & and the *Physiome* journal

Yuda Munarko - Improving search in PMR

Alan Wu - The SPARC Portal

Tommy - Rusty PMR

Closing remarks

17:15

Depart Waiheke Island Resort

18:00

Ferry to Auckland

Self-funded dinner

Oyster & Chop

<http://oysterandchop.co.nz/>

(meet at the ferry terminal)

Virtual presentaton