



Contribution ID: 200

Type: **Workshop/BoF proposal**

## Molecular Dynamics and Analysis using BRIDGE

*Thursday, 6 December 2018 13:30 (1h 30m)*

Molecular Dynamics and analysis can be complicated for novitiates and researchers from neighbouring disciplines. Building upon the Galaxy Project platform, BRIDGE (Biomolecular Reaction & Interaction Dynamics Global Environment) is a web application that provides the ability to get started running molecular dynamics and analyses using curated workflows.

**Target Audience:** Computational chemists, biologists, protein scientists, crystallographers and anyone interested in running and analysing molecular dynamics simulations who is not familiar with the command line.

**Prerequisites:** Basic understanding of chemistry. A basic understanding of or keen interest in molecular dynamics.

**Special requirements:** Bring a laptop. Have access to the CHPC cluster. Register with BRIDGE. Install molecular viewer e.g. VMD.

**Day:** Thursday (6 Dec)

**Duration:** 1 day

**Size:** 15 seats

### Presenter Biography

**Primary authors:** Dr BARNETT, Chris (University of Cape Town); Prof. NAIDOO, Kevin J. (University of Cape Town); Mr SENAPATHI, Tharindu (UCT)

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**Session Classification:** Molecular Dynamics and Analysis using BRIDGE