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CBC Workshop. Right through the heart: snapshots of current and future research in cardiac modeling - June 29-30, 2010

This is the first of a series of annual workshops on Computational Cardiac Modeling. The speakers will present current work pertaining to a variety of research topics within the field of Computational Cardiac Modeling, and there will be ample time for discussion. Notable guest speakers include Natalia A. Trayanova from Johns Hopkins University and Gernot Plank from Oxford University/University of Graz.

Please register for the workshop [here](#) .

Speakers include:

- Kirsten ten Tusscher, Theoretical Biology/Informatics, University of Utrecht
Natalia A. Trayanova, Institute for Computational Medicine, Johns Hopkins University
Gernot Plank, Institute for Biophysics, Medical University of Graz
Steven Niederer, Computing Laboratory, University of Oxford
William Louch, Institute for Experimental Medical Research, Oslo University Hospital
...

Agenda

Tuesday, June 29th

- 1300-1305: Opening welcome and comments: M. Maleckar
1305-1330: M. Maleckar, Simula Research Laboratory, *Title TBA*
1330-1400: K. ten Tusscher, Theoretical Biology/Informatics, University of Utrecht, "From Theoretical to Systems Biology in Cardiac Modeling"
1400-1430: S. Niederer, Computing Laboratory, University of Oxford, "Translating multi-scale cardiac modelling into the clinic"
1430-1500: Coffee break and informal discussion
1500-1530: A. Tveito, Simula Research Laboratory, "On the stability of the resting state of a collection of cardiac cells"
1530-1600: G. Lines, Simula Research Laboratory, "Computing advantageous properties of anti-arrhythmic drugs based on a mathematical models of cardiac cells"
1600-1710: N. Trayanova, Institute for Computational Medicine, Johns Hopkins University, "Modeling Cardiac Electrophysiology and Electromechanics"
1710-1715: Closing remarks for session

1900-2200: Workshop dinner for registered attendees

Wednesday, June 30th

- 0900-0925: Morning coffee and discussion
0925-0930: Day's introduction: M. Maleckar

0930-1000: B. Louch, Institute for Experimental Medical Research, Oslo University Hospital, "Cardiomyocyte mechanisms of heart failure"

1000-1030: J. Sundnes/S. Wall, Simula Research Laboratory, *Title TBA*

1030-1100: Coffee break and informal discussion



1100-1130: G. Plank, Institute for Biophysics, Medical University of Graz, "Cardiac Modeling in the Peta FLOPS computing age"

1130-1135: Closing remarks

1200-1300: Lunch

Practical information

- For information on how to get to Simula, reimbursement of expenses, hotel information and places to eat, please visit: Practical information for guests
- For practical arrangements and administrative issues, please contact Tom David Atkinson .

What	▪ Workshop
When	Jun 29, 2010 01:00 PM to Jun 30, 2010 01:00 PM
Where	Storstua @ Simula
Contact Name	Molly Maleckar
Contact Phone	+47 474 82 159
Attendees	Anders Logg Andre Massing Aron Wahlberg Aslak Tveito Bjorn Fredrik Nielsen Espen Remme Farshad Goudarzi Gernot Plank Glenn Lines Joakim Sundnes Karen Støverud Karin Tosca Kirsten ten Tusscher Marie Rognes Molly Maleckar Natalia Trayanova Ola Skavhaug Omar Al-Khayyat Per Grottum Sam Wall Steven Niederer Tim Dorscheidt Tor Gillberg William Louch
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