

Scientific Computing

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CBC Workshop on Calcium Dynamics in Cardiac Myocytes - November 3, 2009

Contraction of muscular heart cells (myocytes) are triggered by electrical signals, but the intra cellular carrier of this signal is calcium ions. The topic of the workshop was on this intra cellular calcium signalling. Specifically, the focus was on the early phase of the process, called the calcium induced calcium release, where a small influx of ions trigger a much larger release from internal compartments. Both the phenomenon itself and the modeling of it was discussed.

Total number of participants: 13
 Total number of guests outside of CBC: 9
 Number of different nationalities represented: 7
 Total number of speakers: 4
 Total number of talks: 3

Schedule

09:30 Whole Heart Modeling by Nic Smith, University of Oxford
 10:10 Stochastic Effects of Calcium Dynamics by Martin Falck, MDC Berlin
 10:50 Dysynchrony of Calcium Release in Failing Heart Cells by Johan Hake and William Louch
 12:00 Lunch

What	▪ Workshop
When	Nov 03, 2009 from 09:30 AM to 01:00 PM
Where	Mellomrommet
Contact Name	Glenn T. Lines
Attendees	Martin Falcke Johan Hake Liren Li Glenn T. Lines William Louch Molly Maleckar Steven Niederer Jørn B. Sande Ole M. Sejerstedt Nic Smith Guro Fivie Solle Joakim Sundnes Leiv Øyehaug
Add event to calendar	 vCal  iCal