

Scientific Computing

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CBC/UMB Workshop on Computational Biology, September 16, 2009

CBC and the computational systems biology groups at the Norwegian University of Life Sciences (UMB) have a significant potential for closer collaboration. We share common interests regarding computational methods and have complementary strengths. The central purpose of this workshop was two-fold: to present the research at CBC and UMB, and to bring researchers from the institutions together and identify potential for collaboration.

Total number of participants: 24
 Total number of guests outside of CBC: 12
 Number of different nationalities represented: 4
 Total number of speakers: 19
 Total number of talks: 19

Schedule

09:30 Welcome Hans Ekkehard Plesser IMT/Simula
 09:35 Mathematical Based Imaging of Regional Ischemia Bjørn Fredrik Nielsen Simula
 10:00 Computational Neuroscience Gaute T Einevoll IMT
 10:25 Inverse Current Source Density Modeling Klas Pettersen IMT
 10:50 Coffee Break
 11:10 Tom Tetzlaff IMT
 11:15 Eivind Norheim IMT
 11:20 Rate dynamics of integrate-and-fire neurons Eilen Nordlie IMT
 11:25 LFPy: Modeling Local Field Potentials Henrik Lindén IMT
 11:30 Network tuning by genetic algorithms Håkon Enger IMT
 11:35 Imaging activities at IMT Ole Mathis Opstad Kruse IMT
 11:50 Discussion
 12:00 Lunch & Posters
 14:15 Is computational science science? Hans Ekkehard Plesser IMT/Simula
 14:40 Jon Olav Vik Cigene
 15:05 Dynamics underlying astrocyte behaviour Leiv Øyehaug Cigene
 15:10 Cardiac Arrhythmias and Evolutionary Dynamics Kirsten ten Tusscher Simula
 15:35 Evolutionary mechanisms of sympatric speciation Tim Dorscheidt Simula
 15:40 The role of fibrosis in ventricular arrhythmogenesis Molly Maleckar Simula
 15:45 Discussion
 15:50 Coffee Break
 16:10 Computing and Medical Applications at Simula Kent-Andre Mardal Simula
 16:35 Computer models of cardiac electro-mechanics Joakim Sundnes Simula
 16:40 Code generation for solving ODEs Ola Skavhaug Simula
 16:45 Sam Wall Simula
 17:10 Harald Martens Cigene
 17:35 End

Dinner @ Sjøflyhavna Kro

Location:

Simula Research Laboratory, Martin Linges vei 17, 1325 Lysaker,
 in the IT-Fornebu building, 4th floor, Meeting room "Storstua"

Access: See <http://simula.no/contact>



Public transportation to bus stop IT-Fornebu:

- from Oslo downtown: Bus 31E (last departure from Jernbanetorget approx 09.00)
 - by train: to Skøyen or Lysaker station, then on with busses 30 (destination Fornebu or Snarøya), 31E, 24
 The parking garage at IT-Fornebu is quite expensive and there is no free parking anywhere nearby.

Emergency contact: Hans Ekkehard Plesser, mobil 92282654

Practical information for guests

You may find practical information for guests and first time visitors to Center for Biomedical Computing **on this page**.

What	▪ Workshop
When	Sep 16, 2009 from 09:00 AM to 04:00 PM
Where	Storstua @ Simula
Contact Name	Hans Ekkehard Plesser
Attendees	Xing Cai Tim Dorcheidt Håkan Enger Gaute Einvoll Johan Hake Ole Mathis Kruse Hans Petter Lantangen Henrik Lindén Glenn Lines Molly Maleckar Kent-Andre Mardal Harlad Martens Bjørn F. Nielsen Øyvind Nordbo Eilen Nordlie Eivind Norheim Klas Pettersen Hans E. Plesser Tomas Ruud Joakim Sundnes Tom Tetzluff Kirsten ten Tusscher Sam Wall Leiv Øyehaug
Add event to calendar	 vCal  iCal