

# Scientific Computing

- Publications
- Center for Biomedical Computing
- Projects
- Available Master's topics
- Intranet
- People

## Seminar - Electrophysiology Modeling - September 6, 2007

A one day seminar with invited speaker Kirsten ten Tusscher, PhD, and speakers from the Cardiac Computations project. Kirsten ten Tusscher presented her model for human ventricular cells and also talked about recent work on ventricular arrhythmias. The speakers from Simula reported on ongoing research.

Total number of participants: 13

Number of different nationalities represented: 4

Total number of speakers: 7

Total number of talks: 8

### Invited Speakers

- Dr. Kirsten ten Tusscher , Utrecht University

### Program

Place: "Bakrommet" at Simula

1000-1100: Kirsten ten Tusscher (Utrecht University): *Electrophysiological models for human ventricular cells*

1100-1200: Glenn Lines (Simula): *Overview of the Cardiac Computations project*

1200-1245: Lunch

1245-1310: Johan Hake (Simula): *Subcellular calcium handling*

1310-1335: Bjørn Fredrik Nielsen (Simula): *Inverse solutions for assessing myocardial ischemia*

1335-1400: Martin Sandve Alnæs (Simula): *Computing the mechanics of the heart*

1400-1500: Kirsten ten Tusscher (Utrecht University): *Quantitative modeling of human ventricular arrhythmias*

1500-1525: Mary MacLachlan (Simula): *Simulation of atrial arrhythmias*

1525-1550: Monica Hanslien (Simula): *Stable numerical methods for cell models used in simulations of ventricular defibrillation*

1900-: Dinner