



Wednesday 28th March 2018
Science Park 904, Amsterdam

Room A1.04

09:00	Peter Coveney	Introduction to CompBioMed
09:10	Javier Saiz	Introduction to VHeart
<i>Session 1: Cardiac Modelling (Chair: Javier Saiz)</i>		
09:20	Beatriz Trenor (VHeart)	Computational Simulations of Ventricular arrhythmias
09:40	Blanca Rodriguez (CompBioMed)	<i>In silico</i> trials for pharmacology
10:00	Javier Saiz (VHeart)	A highly detailed computer model for studying Atrial arrhythmias
10:20	Mariano Vazquez (CompBioMed)	Cardiac HPC-based simulations
10:40	Student presentations	
11:10	<i>Break/ Tea and Coffee</i>	
<i>Session 2: Fluid-solid Interactions (Chair: Julien Favier)</i>		
11:30	Oscar Camara (VHeart)	Chicken wings, cactus, windsocks and cauliflowers in cardiology
11:50	Alfons Hoekstra (CompBioMed)	Cell based blood flow simulation with HemoCell
12:10	Julien Favier (CompBioMed)	An <i>in silico</i> approach for the study of mucociliary clearance in human lungs
12:30	Student presentation	
13:00	<i>Lunch and Poster Session</i>	
<i>Session 3: Biomedical Flows (Chair: Peter Coveney)</i>		
14:00	Eduardo Soudah (VHeart)	Computational fluid dynamics indicators to improve cardiovascular pathologies diagnosis

14:20	Bastien Chopard (CompBioMed)	A physical description of platelets deposition: towards new platelet function tests
14:40	Alberto Marzo (CompBioMed)	Improved diagnosis of cerebral vasospasm through sensitivity analysis of a 1D cerebral circulation model
15:00	Alex Patronis (CompBioMed)	Magnetic drug targeting with HemeLB
15:20	Student presentations	
15:50	<i>Break/Tea and Coffee – End of Meeting</i>	