

Barcelona VPH Summer School 2016. May 30th - June 3rd 2016, Barcelona
Department of Information and Communication Technologies, Universitat Pompeu Fabra

	Day 1	Day 2	Day 3	Day 4	Day 5
	Pathophysiology	Input Measurements	Multiphysics / Multiscale Models	Computational Aspects	Applications
	<i>Basic Science and Clinical Understanding</i>	<i>Acquisition, processing, quantification</i>	<i>Organ, cell, molecular</i>	<i>Implementation, validation, coupling</i>	<i>Understanding, decision-support, therapy support</i>
	Keynote Speakers				
09:30 - 11:00	Bart Bijmens, ICREA - UPF Cardiovascular Pathophysiology	James Sharpe, ICREA-CRG Imaging and Modelling in Organogenesis	Blanca Rodríguez, Oxford Computational Cardiovascular Science	Christian Hellmich, TU Wien Multiscale and Patient-specific Modelling of Bone	Maxime Sermessant Patient-specific cardiac modelling
11:00	Coffee break				
11:30 - 12:30	Marta Sitges, IDIBAPS-Clinic Hospital Clinical Cardiac Imaging	Mathieu de Craene, Philips Cardiac Image Analysis	Jérôme Noailly, UPF Spine Multiscale and Biophysical Modelling	Mariano Vázquez, Barcelona Supercomputing Center High Performance Computational Modelling	Óscar Cámara, UPF Cardiac Electrophysiology Modelling
12:30 - 13:30	Karin Würtz, ETHZ Intervertebral Disc Pathophysiology	Gemma Piella, UPF Machine Learning	Liesbet Geris, Univ. Liège Complex and Gene Regulation Modelling of Osteochondral Systems	José Manuel García Aznar, Univ. Zaragoza Cell and Collective Cell Modelling	Miguel Ángel González Ballester, ICREA - UPF Computer-assisted Surgery
13:30 - 14:30	Lunch				
14:30 - 16:30	Hands-on Introduction	Hands-on	Hands-on	Hands-on	Presentation of Workshop results + Visit Alba Light Source
16:30 - 17:00		coffee - poster	coffee - poster	coffee - poster	
17:00 - 18:30	Visit Barcelona Supercomputing Center (starting 16:30h)	Hands-on	Hands-on	Poster Awards	Visit ALBA Sunchrotron Light Source (starting at 16:00h)
			Catalan Beer Tasting		

Auditorium