

Tuesday, 6th September 2022

	Main Auditorium	Room 2	Room 3	Room 4
09:30	Registration			
09:00 - 10:00				
10:00 - 11:00	10:00 - 13:00 Workshop 1 USING COMPUCELL3D AS A PLATFORM TO CONSTRUCT MULTI-SCALE MULTICELLULAR AGENT-BASED VIRTUAL- TISSUE SIMULATIONS OF DEVELOPMENT AND DISEASE			
11:00 - 12:00				
12:00 - 13:00				
13:00 - 14:00				
14:00 - 15:00	14:00 - 16:00 Workshop 2 SIMCARDIOTEST OPEN SOURCE SOFTWARE – DEMO ON OASIS	14:00 - 17:00 Workshop 3 PUBLIC AND PATIENT OUTREACH AND ENGAGEMENT FOR IN SILICO MEDICINE		
15:00 - 16:00				
16:00- 17:00				
19:30				

Wednesday, 7th September 2022

	Main Auditorium	Room 2	Room 3	Room 4
07:30	Registration			
08:30 - 09:00	OPENING SESSION <i>Liesbet Geris, Joao Manuel, R.S. Tavares</i>			
09:00 - 9:45	Plenary lecture 1 PATIENT-SPECIFIC MODELS IN TUMOR GROWTH: INTEGRATING ORGANOIDS AND IMAGE-BASED BIOMARKERS <i>José Manuel García-Aznar</i>			
9:45 - 10:15	Coffee break + Posters			
10:15 - 12:15	Session 1 CARDIOVASCULAR 1	Session 2 COMPUTATIONAL MODELING IN HEALTH AND DISEASE 1	Session 3 IN SILICO CLINICAL TRIALS 1	Session 4 MEDICAL DEVICE MODELLING 1
12:15 - 13:30	Lunch with Meet the Mentor programme			
13:30 - 14:30	POSTER SESSION 1, POSTER SESSION 2		Session INDUSTRY SESSION	Session INDUSTRY SESSION
14:30 - 16:00	Session 5 COMPUTATIONAL TOOLS AND SIMULATION IN BIOMECHANICS 1	Session 6 COMPUTATIONAL MODELING IN HEALTH AND DISEASE 2	Session 7 CLINICAL IMAGING, IMAGE-BASED IN-VIVO ANALYSIS, IMAGING AND VISUALIZATION	Session 8 MEDICAL DEVICE MODELING 2
16:00 - 16:15	Coffee break + Posters			
16:15 - 18:15	Session 9 INDUSTRY CLINICAL SESSION	Session 10 COMPUTATIONAL MODELING IN HEALTH AND DISEASE 3	Session 11 IN SILICO TRIALS FOR MEDICAL PRODUCT DEVELOPMENT	Session 12 MATHEMATICAL BIOMEDICAL MODELS 1
18:15 - 19:15	VPH Institute General Assembly			
19:15 - 21:00	Welcome reception in the Garden of the Venue			

Thursday, 8th September 2022

	Main Auditorium	Room 2	Room 3	Room 4
08:00	Registration			
08:30 - 10:30	Session 13 CARDIOVASCULAR 2	Session 14 COMPUTATIONAL TOOLS AND SIMULATION IN BIOMECHANICS 2	Session 15 MECHANOBIOLOGY	Session 16 BIG DATA AND MACHINE LEARNING
10:30 - 11:00	Coffee break + Posters			
11:00 - 11:45	Plenary lecture 2 MICROSTRUCTURE-INFORMED IN SILICO MODELING OF THE HUMAN BRAIN <i>Silvia Budday</i>			
11:45 - 12:45	Lunch break			
12:45 - 13:45	POSTER SESSION 3, POSTER SESSION 4		Session INDUSTRY SESSION	Session INDUSTRY SESSION
13:45 - 15:00	Session 17 COMPUTATIONAL TOOLS AND SIMULATION IN BIOMECHANICS 3	Session 18 REPRODUCTIVE AND PREGNANCY MODELLING	Session 19	Session 20 MATHEMATICAL BIOMEDICAL MODELS 2
15:00 - 15:45	Plenary lecture 3 CONTRIBUTIONS OF MYOCARDIAL HYPERTROPHY AND STIFFENING TO RIGHT-VENTRICULAR REMODELING IN PULMONARY ARTERIAL HYPERTENSION <i>Daniela Valdez-Jasso</i>			
15:45 - 16.15	Coffee break + Posters			
16:15 - 18:15	IN SILICO TRIALS PANEL PLENARY /ECOSYSTEM FOR DIGITAL TWINS			
19:30	Conference dinner at the Taylors winery			

Friday, 9th September 2022

	Main Auditorium	Room 2	Room 3	Room 4
08:00	Registration			
08:45 - 10:15	Session 21 THE ROLE OF EXASCALE COMPUTING IN COMPUTATIONAL BIOMEDICINE	Session 22 COMPUTATIONAL MODELING IN HEALTH AND DISEASE 4	Session 23 CANCER EARLY DETECTION AND THERAPY	Session 24 MULTISCALE MODELING
10:15 - 10:45	Coffee break + Posters			
10:45 - 11:30	Plenary lecture 4 KINETIC MODELLING AND NETWORK ANALYSIS OF TOTAL-BODY PET DATA <i>Adriana Tavares</i>			
11:30 - 12:30	Session 25 COMPUTATIONAL TOOLS AND SIMULATION IN BIOMECHANICS 4	Session 26 COMPUTATIONAL MODELING IN HEALTH AND DISEASE 5	Session 27 IN SILICO CLINICAL TRIALS 2	Session 28 AGENT BASED MODELS
12:30 - 13:15	Lunch break			
13:15 - 14:15	VPH INSTITUTE AWARDS			
14:15 - 14:45	CLOSING CEREMONY			
14:45 - 18:45	Workshop ASME V&V 40 WORKSHOP			