

VPH2010 Conference Poster Presentation Schedule	
Day 1 - Thursday September 30,2010 - Odd Number posters	
Day 2 - Friday October 01, 2010 - Even Number posters	
Posters will be up for the duration of the conference. To ensure that there is an opportunity for people within one topic to see posters by others in their own field – authors with posters with odd numbers will be required to stand by their poster on day 1 (12.45-14.00) and (17.15-18.00). Authors with posters with even numbers will be required to stand by their posters on day 2 (11.05-11.45) and (12.45-14.00).	
	<b>Modelling: organ systems and disease</b>
1	An automated procedure for the personalization of digital human models for human motion analysis Robert, T., Ausejo, S., Beurier, G., Celigueta, JT., Sholukha, V., Van Sint Jan, S., Viosat, P., Wirsching, HJ., Wang, X.
2	cvREMOD – Convergence of Medical Technologies for complete management of cardiovascular remodeling Jordan, B., Vallespin, B., Alberich-Bayarri, A., Arroyo, V., Barbero, M., Barcelo, A., Caverio, C., Sanz, R., Martí, L., Frangi, A.
3	Prototype tool for the extraction of the coronary vessels centreline Velut, J., Philipot, C., Riccobene, C., Omedas, P., Frangi, A., Toumoulin, C.
4	Sensitivity analysis of the Guyton model of blood pressure regulation. I. Global Analysis of the whole model Grosse, T., Bazin, J., LeRolle, V., Fontecave-Jallon, J., Guillaud, F., Hannaert, P., Baconnier, P., Hernandez, A., Thomas, SR.
5	Multi-scale modeling of blood flows in extended coronary arteries S. Melchionna, S., Bernaschi, M., Bisson, M., Latt, J., Succi, S., Kaxiras, E.
6	ImmunoGrid Pappalardo, F., Sansom, C., Pennisi, M., Shepherd, A., Motta, S., Lollini, P., Brusic, V.
7	CFD Simulations of Airflow in Human Alveolar Ducts Ishimine, Y., Sera, T., Noda, S., Suzuki, S., Wada, S., Takagi, S.
8	FE models of the human tympanic membrane Volandri, Gaia., Carmignani, C., Di Puccio, F., Forte, P.
9	Study of the influence of pelvic floor muscle activation during vaginal delivery Natal J, R., Parente, MPL., Mascarenhas, T., Fernandes, AA.
	<b>Modelling: from cell to organ</b>
10	Activ8: An Integrated Multilayer Visualization, Modelling and Professional Networking Environment to Handle Complex Diseases Dalton, J., Hernandez, M., Lalinde, W., Tortajada, J., Mutlu, S., Villà-Freixa, J.
11	Multiscale Modeling of Peritoneal Transport Across Structured Interstitium Waniewski, J., Stachowska-Pietka, J., Flessner, M., Lindholm, B.
12	Analytical description of biological fibrous tissue failure Brunon, A., Bruyere-Garnier, K., Coret, M., Combescure, A.
13	Mapping longitudinal changes in the brain affected by Alzheimer's disease Lorenzi, M., Frisoni, G., Ayache, N., Pennec, X.
14	The Virtual Tendon - Development of a Multi-scale Computational Model Khodabakhshi, G., Walker, D., Hose, R.
15	Reasoning on proximal model for multiscale spatial dynamics in Bone Remodelling Cacciagrano, DC., Corradini, FC., Merelli, EM., Viceconti, MV.
16	Development of a multiscale simulation system for cardiotoxicity prediction Obiol-Pardo, C., Gomis-Tena, J., Saiz, J., Pastor, M., Sanz, F.
17	Modelling Human Metabolic Flux Distributions Gavai, AK., van Beek, J., Supandi, F.
18	Intermediate States in the Trajectory of Synaptic Channel Activation: Modelling Drug Efficacy in the Nicotinic Superfamily from Single Molecule Data Lape, R., Colquhoun, D., Sivilotti, L.
	<b>Data management, numerical methods and modelling tools</b>
19	ftpGUI, an Adaptive Thin Client for FTP Repositories With Meta-Data Management Requirements Inda, MA., Antiga, L., Wouters, F., Tesanovic, A., Rusch, J., van Driel, R., Breeuwer, M.
20	Model-Guided Therapy Lemke, HU., Berliner, L.
21	HGVbaseG2P: an advanced database for the integration and interrogation of genetic association datasets Free, R., Hastings, R., Thorisson, GA., Gollapudi, VLS., Beck, T., Lancaster, O., Brookes, AJ.
22	Biomedical Vertical DataWarehouse Integration:Assessment of Challenges& Opportunities at the Center of Excellence for Research onInflammation&Cardiova Abugessaisa, I., Tegnér, J.
23	FLORAL: Semantic and Lexical Matching of Biomedical Ontologies Pesquita, C., Ferreira, JD., Couto, FM.
24	Innovations In Medical Image Processing To Enable Anatomical Engineering Boelen, E.
25	GPU-Accelerated Linear Solvers for Biomedical Simulations Miroslaw, L., Malecha, Z., Tomczak, T., Koza, Z., Matyka, M., Tarnawski, W., Szczerba, D.
26	Orbital Stability Of Step Climbing: Analysis Of Muscle Activations In Young Subjects Riva, F., Bisi, MC., Stagni, R., Cristofolini, L.
27	Intensity-based X-ray mammography – MRI registration using an EM-MRF for breast tissue classification Mertzanidou, T., Hipwell, JH., Cardoso, M-J., Tanner, C., Ourselin, S., Hawkes, DJ.
28	A 3D Spectral Element Solver for the Bidomain Equations Maggio, F., Southern, J., Fotia, G., Cuccuru, G.
29	Blood Flow Simulation in 3D Patient-Specific MRI Reconstructed Carotid Arteries Sakellarios, A., Siogkas, P., Tsakanikas, V., Stefanou, K., Naka, K., Michalis, L., Fotiadis, D.
30	Toward the multiscale simulation of organ and body scale using the next-generation supercomputer in Japan Takagi, S.
31	Simplified mathematical models of defibrillation

	Tveito, A., Lines, G., Maleckar, MM., Skavhaug, O.
<b>32</b>	<b>Implementation of a multiscale model for molecular dynamics simulations of protein folding and aggregation in Adun</b>
	Villà-Freixa, J., Drechsel, N., Ávila, CL., Alcántara, R., Ramón Meneu, J., Johnston, MA.
	<b>Research methodology: experiments, probabilistic, integrative, data processing</b>
<b>33</b>	<b>Experimental validation of an isokinetic extension-flexion knee numerical model</b>
	Petrone, N., Baldan, F., Perissinotto, A.
<b>34</b>	<b>Load bearing evaluation on spinal posterior column by measuring surface strain from lumbar pedicles – an in vitro study</b>
	Ouyang, J., Sun, P., Zhao, W., Chen, C., Tang, L.
<b>35</b>	<b>Comparison Of Two Different Models For The Estimation Of Energy Rate Consumption During Movement</b>
	Bisi, MC., Riva, F., Stagni, R., Gnudi, G.
<b>36</b>	<b>Statistical Analysis of the Anatomy: From Digital Patient to Digital Population</b>
	McLeod, K., Mansi, T., Durrleman, S., Sermesant, M., Pennec, X.
<b>37</b>	<b>Patient-Specific Modelling</b>
	Lemke, HU., Berliner, L.
<b>38</b>	<b>Neomark: ICT platform for the prediction of oral cancer recurrence</b>
	Exarchos, KP., Goletsis, Y., Kalatzis, FG., Giannakeas, N., Oikonomou, V., Fotiadis, DI.
<b>39</b>	<b>Assuring healthcare models are fit for purpose: Critical systems engineering for systems biology</b>
	Bown, J.
<b>40</b>	<b>Chaste: Scalable High-Performance Simulation of Cardiac Electrophysiology</b>
	Southern, J., Wilson, N., Bernabeu, MO., Pitt-Francis, J.
<b>41</b>	<b>Multimod Application Framework – new release</b>
	Giunchi, D., Quadrani, P., Testi, D.
<b>42</b>	<b>Horizontal Data Fusion for Integrative Modelling: the MEDINRIA Fusion Toolbox</b>
	Bleuzé, B., Clatz, O., Fillard, P., Sermesant, M., Toussaint, N., Wintz, J.
<b>43</b>	<b>Integrative causal analysis - the theory of statistical model integration and data co-analysis</b>
	Tsamardinos, I.
<b>44</b>	<b>VPH Clinical Data Integration, Life Sciences Computational Research and Outreach at the University of Melbourne</b>
	Harris, PJ., Manos, S., Hibbert, ME., Kazmierczak, EA., Lonie, A.
<b>45</b>	<b>Open Problems on the Multi-Scale Spatio-Temporal Visualization of Biomedical Data</b>
	Cardenes, R., Larrabide, I., Omedas, P., Mazzeo, M., Testi, D., Viceconti, M., Frangi, AF.
<b>46</b>	<b>FocusDET: A multimodal application to locate epileptogenic foci in intractable partial epilepsy</b>
	Marti, B., Esteban, O., Planes, X., Riccobene, C., Wollny, G., Omedas, P., Falcon, C., Setoain, X., Donaire, A., Frangi, AF., Ledesma-Carbayo, MJ., Santos, A., Ros, D., Pavia, J.
	<b>Systems biology - systems physiology</b>
<b>47</b>	<b>The Virtual Lance Armstrong</b>
	van Beek, J.
<b>48</b>	<b>Microfluidic-based quantification of blood fluid dynamic behaviour in the microcirculation</b>
	Carugo, D., Capretto, L., Nehru, E., Mansour, MH., Cheng, W., Smyth, NR., Bressloff, NW., Zhang, XL.
<b>49</b>	<b>Poster withdrawn</b>
<b>50</b>	<b>Current and Future Challenges in Bioanalytical Workflows and Data Exchange</b>
	Mattmueller, S., Naal, S., Leiber, M.
	<b>Screening, diagnosis, testing, medical devices and model assisted planning</b>
<b>51</b>	<b>Development of a network model to support surgical planning of vascular access creation</b>
	Kroon, W., Huberts, W., Manini, S., Bosboom, M., Antiga, L., Remuzzi, A., van de Vosse, F.
<b>52</b>	<b>Design, implementation and first results of a novel digital photogrammetric system for trunk surface assessment, scoliosis screening and monitoring</b>
	Stylianiadis, E., Patias, P., Grivas, T.B., Tsioukas, V., Georgiadis, Ch., Andreou, C., Charalambous, P., Chrysanthou, Y., Soultanis, K., Kaspiris, A.
<b>53</b>	<b>Using automatically determined atrophy rates to discriminate between clinical groups and to detect atrophy changes in clinical trials</b>
	Wolz, R., Heckemann, RA., Aljabar, P., Hajnal, JV., Hammers, A., Loetjens, J., Rueckert, D.
<b>54</b>	<b>Integrating biological knowledge, novel imaging modalities, and modeling in breast cancer diagnosis</b>
	Karssemeijer, N., Huisman, H., Hawkes, D., Hipwell, J., Boehler, T., Lesniak, J., Tanner, Ch., Szekely, G., Niessen, W., Hahn, H.
<b>55</b>	<b>Data Mining in Multi-modal, Multi-scale and Multi-level Data; Examples from the @neurIST Project</b>
	Friedrich, CM., Ebeling, C., Risselada, R., Sturkenboom, MMCJM., Cruz-Villa, M., Cambien, F., Yilmaz, S., McGregor, J., Bauer-Mehren, A., Chiarini, A., Marzo, A., Lycett, R., Pozo, J., Berti, G., Hofmann-Apitius, M., Hose, R., Bijlenga, PO., Frangi, A., Rashid, M.
<b>56</b>	<b>Mono-planar vs Bi-planar 3D Fluoroscopy: in-silico Simulation of the Estimation of Total Knee Replacement kinematics</b>
	Tersi, Luca., Stagni, R., Fantozzi, S., Cappello, A.
<b>57</b>	<b>Whole Body Human Models for Biomedical Simulations</b>
	Szczerba, D., Christ, A., Neufeld, E., Kainz, W., Kuster, N.
<b>58</b>	<b>A diameter matched comparison of wall stress and rupture potential index for abdominal aortic aneurysms rupture risk prediction</b>
	Maier, A., Reeps, C., Gee, MW., Eckstein, HH., Wall, WA.
<b>59</b>	<b>Exemplar prototypes based on GIMIAS, a workflow oriented platform for the development of Biomedical prototypes</b>
	Omedas, P., Planes, X., Riccobene, C., Carotenuto, L., Barbarito, V., Martelli, Y., Marti, B., Larrabide, I., Frangi, AF.
<b>60</b>	<b>CardioLab: development of a software suite for characterization and quantification of myocardial pathologies</b>
	Carotenuto, L., Barbarito, V., Planes, X., Riccobene, C., Martelli, Y., Omedas, P., Butakoff, C., De Craene, M., Camara, O., Sukno, F., Frangi, A.
	<b>Other</b>
<b>61</b>	<b>Interventricular asynchrony in Chronic Thrombo-Embolic Pulmonary Hypertension recovers after unloading of the right ventricle</b>
	Marcus, J. T., Mauritz, GJ., Bosboom, J., Surie, S., Vonk Noordegraaf, A.
<b>62</b>	<b>Multiscale Modelling of Congenital Heart Disease</b>
	Summers, R., Abdulla, T., Imms, RA., Houyel, L., Schleich, JM.
<b>63</b>	<b>NeoMark: how to predict oral cancer recurrence through multiscale data analysis</b>
	Martinelli, E., Picone, M., Steger, S., De Fazio, M., Chiari, G., Ardigo, D., Exarchos, K.
<b>64</b>	<b>Information Governance And Security When Using Health Care Data For Biomedical Research</b>
	Lea, N., Kalra, D.



