

Symposium *Mathematical Modeling at the Cellular and Tissue Levels*, ECMTB 2014, Sunday June 15, 2014, 16:00 – 19:00

Schedule of the presentations

16:00 – 16:05 Fred Vermolen	<i>Welcome to the minisymposium</i>
16:05 – 16:20 Necibe Tuncer	<i>Radially Projected Finite Element Method on Evolving Surfaces</i>
16:20 – 16:35 Amit Gefen	<i>Computational Modeling to Assess Guidelines, Risk Factors and Cushions Addressing Sitting-Acquired Pressure Ulcers</i>
16:35 – 16:50 Maria Teresa Sanchez	<i>One-Dimensional Model of Cytoskeleton Dynamics: Application to Interstitial Migration</i>
16:50 – 17:05 Marco Veneroni	<i>On Minimizers of Bending Energy of Two-Phase Biomembranes</i>
17:05 – 17:20 Paul van Liedekerke	<i>Simulation of cell mechanics in a micropipette aspiration experiment using a highly detail model</i>
17:20 – 17:35 Roeland Merks	<i>Hybrid Cell-Based Modeling of Mechanical Cell-Matrix Feedback during Collective Cell Behavior</i>
17:35 – 17:50 Annelies Lejon	<i>Variance-Reduced Simulation of Individual-Based Models for Tumor Growth</i>
17:50 – 18:05 Richard Schugart	<i>Identifying Optimal Treatment Protocols for the Treatment of a Bacterial Infection in a Chronic Ischemic Wound Using Hyperbaric Oxygen Therapy</i>
18:05 – 18:20 Etelvina Javierre	<i>Mathematical Modeling of Wound Infection Implications to Delayed Wound Healing</i>
18:20 – 18:35 Anotida Madzvamuse	<i>Mathematical Modeling and Numerical Simulations of Actin Dynamics in the Eukaryotic Cell</i>
18:35 – 18:50 Fred Vermolen	<i>A cell-based model for the contraction of burns</i>