

5th Freiberg Collagen Symposium - Programme

September 04, 2012

	8.30	Doors open & registration	
Session 1	9.30	Opening, Greetings	
	9.40	Matrix Suprastructures: What's So Special About Alloys, Composites, and Networks Rather Than Molecules	Peter Bruckner, University of Münster, DE
	10.10	Structure of Collagen in the Several Stages of Processing Shown by Scattering Techniques	Tim Wess, Cardiff University, UK
	10.40	Coffee break	
Session 2	11.00	Physicochemical determinants of cell migration in three-dimensional tissue	Katarina Wolf, Radboud University Nijmegen Medical Centre, NL
	11.30	Requirements for the Mechanical and Morphological Properties of Collagen-based Scaffolds for Tissue Engineering Applications	Fergal O'Brien, Royal College of Surgeons in Ireland, IE
	12.00	The Influence of Proteoglycans on Collagen Properties	Ana-Marina Ferreira, Politecnico di Torino - Sede di Alessandria, IT
	12.20	Development of a Novel Collagen-based Conduit for Peripheral Nerve Regeneration (Neuromaix); Control of Micro-architecture	Leon Olde Damink, Matricel GmbH, DE
	12.40	Lunch break	
Session 3	13.40	Collagen Cell Carrier for Biomedical Applications	Dieter Falkenburg, Viscofan BioEngineering, DE
	14.00	Cross-linking of Collagen with Laccases and Tyrosinases	Matthias Pretzler, Graz University of Technology, AT
	14.20	Collagen Composite Fibers	Katrin Schwikal, Thüringisches Institut für Textil- und Kunststoff-Forschung (TITK) e.V., DE
	14.40	Evaluation of Some Derma Collagen Peculiarities after Non-chromium Methods of Tanning	Viktoriia P. Plavan, Kiev National University of Technologies & Design, UA
	15.00	Coffee break	
	15.15	Poster session (until 16.00)	
	17.00	Social programme	

September 05, 2012

	8.30	Doors open	
Session 4	9.00	Collagens of Aquatic Invertebrates: Insights, Trends and Open Questions	Hermann Ehrlich, Technical University Bergakademie Freiberg, DE
	9.30	3D-Plotting of Collagen and Collagen Biopolymer Blends for Soft Tissue Engineering	Michael Gelinsky, Centre for Translational Bone, Joint and Soft Tissue Research, DE
	10.00	Collagen-based Drug Delivery Systems	Wolfgang Frieß, LMU Munich, DE
	10.30	Coffee break	
Session 5	10.50	New Marine Collagen Source as a Scaffolding Material for Cartilage Tissue Engineering	Silke Erdmann, University of Lübeck, DE
	11.10	Collagen Matrix from Jellyfish with a Tissue-specific Stiffness for Cartilage Tissue Engineering	Judith Sewing, Coastal Research & Management GbR, DE
	11.30	Osteochondral Scaffolds Made of Marine Collagens	Birgit Hoyer, Centre for Translational Bone, Joint and Soft Tissue Research, DE
	11.50	Study on the Influence of Polyphenols on Collagen Assembly and Tanning of Hide Powder	Nora Haufe, Dresden University of Technology, DE
	12.10	Lunch break	
Session 6	13.10	Preparation, Processing and Rheology of Thermoplastic Collagen	Enno Klüver, Forschungsinstitut für Leder und Kunststoffbahnen (FILK) gGmbH, DE
	13.30	Transformation of Collagen into Gelatine in Historical Leather and Parchment Caused by Natural Deterioration and Moist Treatment	René Larsen, The Royal Danish Academy of Fine Arts, DK
	13.50	Chemometric Methods to Evaluate the Oxidative Degradation of Parchment	Lee Gonzales, Cardiff University, UK
	14.10	Coffee break	
Session 7	14.30	Determination and Quantification of Collagen Types by LC-MS/MS	Ivan Miksik, Academy of Sciences of the Czech Republic, CZ
	14.50	Species identification in leather and collagen based products of animal origin	Hauke Wulf, Forschungsinstitut für Leder und Kunststoffbahnen (FILK) gGmbH, DE
	15.10	Influences on Thermal Stability of Fibrous Collagen - Calorimetric Investigations	Michaela Schröpfer, Forschungsinstitut für Leder und Kunststoffbahnen (FILK) gGmbH, DE
	15.30	End of 5th Freiberg Collagen Symposium	