Tentative Program

6th International Conference on
Tissue Engineering and Regenerative Medicine

August 23-24, 2017 San Francisco, USA

Importance of Tissue Engineering and Regenerative Medicine to the Future of Health Care

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Scientific Board



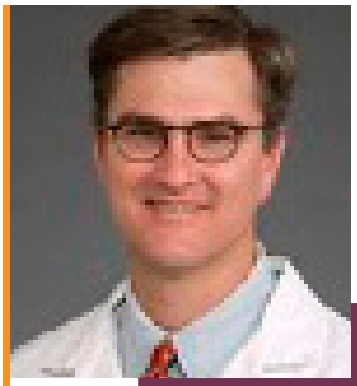
Charles F Mahl MD FACS FICS
surgeons
USA



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Director, CellTool GmbH
GERMANY



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Cleveland Clinic Lerner
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Brussels – Belgium



Charles F Mahl MD FACS FICS
surgeons, USA

Prolotherapy has been around for almost 80 years, yet is not well known in most musculoskeletal circles. Most orthopedic surgeons and neurosurgeons either have not ever heard of prolotherapy or think it doesn' t work based on never having studied it in residency training programs, their personal bias or their general lack of knowledge about it. The author will explain his discovery of prolotherapy after some 30 years of suffering from pain and his experience and will introduce this fine medical art to the participants. Prolotherapy was the first procedure invented in Regenerative Medicine, followed by PRP-Platelet Rich Plasma injections and then Stem Cell Injections from the bone marrow and/or Adipose Tissue

Dr. Schuetze is a biologist and expert in non-contact cell handling and label-free cell analysis using innovative photonic technologies. She did her PhD work at the Institute for Applied Physical Chemistry in Heidelberg and her postdoc research at the University of California in Berkeley where she assembled her first Optical Trap. In 1993 she and her husband founded the PALM company, which was successfully sold to Zeiss. In 2008, they both founded their second company, the CellTool GmbH, where they develop Raman microscope systems for biomedical applications, providing physicians and biologists with a label-free and non-invasive tool for cell analysis.



Dr. Karin Schütze
Director, CellTool GmbH,
GERMANY



Brian M. Mehling
USA

Brian Mehling, M.D., M.S. is a practicing American orthopedic trauma surgeon, researcher, and philanthropist. Dr. Mehling started his path in medicine through undergraduate study at Harvard University, obtaining Bachelor of Arts and Master of Science degrees in Biochemistry from Ohio State University. Completing his degree of medicine at Wright State University School of Medicine, Dr. Mehling received post graduate education through residencies and fellowships at St. Joseph' s Hospital in Paterson, NJ and the Graduate Hospital in Philadelphia, PA, while pursuing a Ph.D. in Chemistry. Dr. Mehling operates his own practice, Mehling Orthopedics, in both West Islip, NY and Hackensack, NJ.

Kay Ohlendieck has an undergraduate degree in Biology from the University of Konstanz, Germany (1985), a PhD in Biochemistry from University College Cork, Ireland (1989) and a D.Sc. in Muscle Biology from University College Dublin, Ireland (2011). He has worked as a postdoctoral associate at the University of Iowa, Iowa City and at the State University of New York, Stony Brook, as well as a Lecturer in the Department of Pharmacology, University College Dublin (1995-2001). Since 2002, he is Chair of Biology at the National University of Ireland, Maynooth, and his research focuses on skeletal muscle proteomics



Kay Ohlendieck
Germany



Robin C. Muise-Helmericks
USA

Robin Muise-Helmericks is currently an Associate Professor in the Department of Regenerative Medicine and Cell Biology, Member of the Hollings Cancer Center and Adjunct Associate Professor in the Departments of Oral Health at the Medical University of South Carolina and Bioengineering at Clemson University. The research her laboratory focuses on the regulation of VEGF-induced Akt signaling during angiogenesis. The laboratory has developed several in vivo models focusing on the Akt family of kinases and their role in angiogenesis as they pertain to metabolism, development and angiogenic responses in cutaneous wound healing. The research program has been supported by grants from the NIH and by Marine Polymer Technologies, Inc.

Program at A Glance

Day 1

Morning Sessions	Reception/Registration	08.00-09.00	
		Time	General Session
	Least of 3 Keynote/Plenary Talks	09.00-09.15	Inaugural Address
		09.15-09.45	Keynote/Plenary Talk 1
		09.45-10.15	Keynote/Plenary Talk 2
		10.15-10.45	Keynote/Plenary Talk 3
	Panel Discussions/Group Photo		
	Coffee/Tea Break 10.45-11.00 (Networking)		
	11.00-12.40		5 Speakers (20 Mins Each)
Evening Sessions	**Lunch Break 12.40-13.30**		
	13.30-15.30		6 Speakers (20 Mins Each)
	Coffee/Tea Break 15.30-15.45 (Networking)		
	15.45-17.25		5 Speakers (20 Mins Each)

Day 2

Morning Sessions		Time	Session 1	Session 2
	09.00-10.40		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Coffee/Tea Break 10.40-10.55 (Networking)			
	10.55-12.35		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
Evening Sessions	**Lunch Break 12.35-13.25**			
	13.25-15.05		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Coffee/Tea Break 15.05-15.20 (Networking)			
	15.20-17.00		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)

NOTE: Program Shedule is subject to change with final allotment of the speaker slots

Featured Speakers

Tentative Scientific Program

Speaker Opportunities available
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Keynote Forum

Featured Keynote Presentations

Title:The Evolution and Current Status of Sperm Cryopreservation

***Panayiotis Zavos*, The Andrology Institute of America, USA**

Title:Improved methods and procedures for pluripotent stem cell preservation, storage stability and validation

***Heiko Zimmerman* n, Fraunhofer Institute for Biomedical Engineering, Germany**

Title: Cryopreservation by Vitrification: Basic Thermodynamic Principals, Methods and Devices

***Igor Katkov*, Belgorod National Research University, Russia**

Title:Prolotherapy – the first choice in Regenerative Medicine

***Charles F Mahl* , GenLife Institute for Regenerative Medicine and Stem Cells, USA**

***** Keynote Speaker Slots are available*****

Featured Speaker Presentations

Title:Human mesenchymal stem cell-derived conditioned medium: perspectives for therapeutic application in lung cancers

***Lourdes Cortes-Dericks*, University of Hamburg, Germany**

Title: Reproductive tissue banking for young boys of pre-reproductive age

***Yulian Zhao*, Mayoclinic, USA**

Title: Fertility Cryopreservation in Oxford, UK

***Jill Davies*, Oxford University, UK**

Title:Peripheral Artery and Blood Biobanking Can Lead to Scientific Collaboration and Discovery

***Mohamed Zayed*, Washington University School of Medicine, USA**

Title:Mesenchymal Stem Cells in Clinical Applications

***Brian M. Mehling*, Blue Horizon International, USA**

Title: Proteomic profiling of tissue degeneration and regeneration in muscular dystrophy

***Kay Ohlendieck* , Department of Biology, Maynooth University, Ireland**

Title: pGlcNAc Nanofibers Derived from a Marine Polymer Stimulate Regenerative Wound Repair via Activation of a TLR4/type I IFN pathway in Combination with an Integrin/Akt1 dependent pathway

***Robin C. Muise-Helmericks*, Medical University of South Carolina, , USA**

Title:CRISPR/Cas9-mediated nock-in of large DNA in human embryonic stem cells and somatic cells

***Bo Feng* , University of Hong Kong, China**

Raffaella Fabbri, University of Bologna, Italy
Speaker Slots are available
Title: Life in Nano Ice : Application of CryoCrate C80EZ Medium for Cell and Tissue Cryopreservation
Xu Han, CryoCrate LLC and University of Missouri, USA
Title:Cell therapy for crilger najjar TYPE I syndrome
Elvira Famulari,Molecular Biotechnology Center, Italy
Title: Hydro-Pressure Therapy in Chronic Kidney Diseases
Shrikant L. Kulkarni, Kulkarni Clinic, India
Title: Deletion of osteoblastic Wntless reduces osteogenic differentiation of bone marrow mesenchymal stem cells and delays bone regeneration in a femur defected animal model
Sher Bahadur Poudel, University of Bradford, South Korea
Title: Modulation of cell proliferation and differentiation by a new thiazolidine compound (gq-11) in human reconstructed skin
Jacqueline Cavalcante Silva, , USA
Title:The future of regenerative medicine in Nigeria: recommendations for the umbilical cord stem cell
Ogwunga Julia Nonyerem , Nigeria
Title: Developing and setting up a Tissue Donation after Death Service in the UK. A research nurses' personal perspective
Joanne Mullarkey, University of Bradford, UK
Title: The Promise of Organ Banking and Large-Scale Support for Cryopreservation Advances
Jedediah Lewis, Organ Preservation Alliance, USA
Title: Clinical Applications of Autologous Bone Marrow Derived Cells
Dalip Sethi, Cesca Therapeutics Inc., USA
Title: Challenges of developing a Biobank in Oxford, UK
Jill Davies, Oxford University, UK
Speaker Slots are available
Title: A dry method to preserve tear sample
Youhe Gao, Beijing Normal University, China
Title: Tupler Technique® & Regenerative Platelet Rich Plasma Procedure for Treatment of Diastasis Recti
Julie Tupler, United States
Title: Regenerative Effect of Autologous Mesenchymal Stem Cell injection on Cartilage Defects
Wael Abo Elkheir, Military Medical Academy,Egypt
Title: Hydrogel Micropattern-Incorporated Nanofibers for Biomedical Application
Won-Gun Koh, Yonsei University, Korea
Title: Fertility Cryopreservation in Oxford, UK
Jill Davies, Oxford University, UK

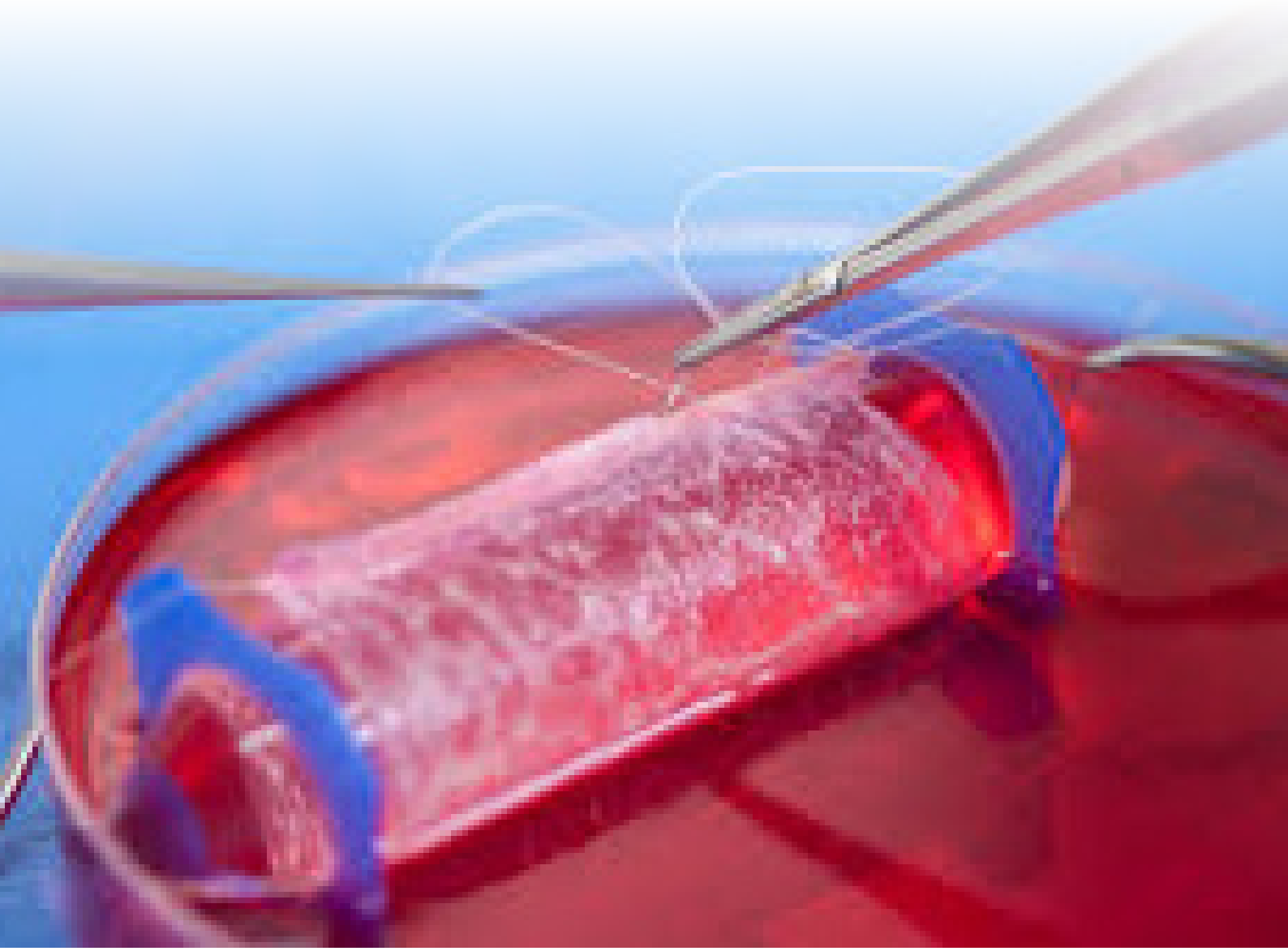
Title:Role of Bone-Marrow Derived Stem Cells in Liver Regeneration: a Multicentre Clinical Trial

Hala Gabr **, Cairo University, Egypt**

*****Speaker Slots are available*****

Europe, Middle East and Asia pacific :
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****Note: Tentative program has been designed with the projected speakers names and titles.**



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NOTE: Program Last Updated on June 16, 2017