



9th International Conference On Cell and Stem Cell Engineering

Session Plan



Friday September 12, 2014

Thursday, 11.09.2014	Registration 18.00 - 19.00 Uhr Auditorium Room D 110, Eupener Straße 70, 52066 Aachen
Friday, 12.09.2014	Registration + Help desk 7:30-17:15 Uhr Room D 110, Eupener Straße 70, 52066 Aachen

9:00-9:05	Welcome address: Prof. Dr. rer.nat. habil. G.M. Artmann, Conference	Chair ICCE Working Group, Germany
9:05-9:15	Welcome address: Prof. Dr. rer.nat. Marcus Baumann	Rector Aachen University of Applied Sciences, Germany
9:15-9:45	Welcome Speech: Shankar Krishnan, Ph.D., Secretary General, IFMBE	Chair, Dept . of BME, H.C. Lord Chair Prof., WIT, Boston, MA, USA
9:45-10:30	Plenary Lecture: Prof. Dr. med., Dr. h.c. Jürgen Hescheler, University of Cologne	Pluripotent stem cells for basic research and later clinical application
10:30-10:45	Coffee Break	
10:45-11:15	Keynote Lecture - Jean-Pierre de Vera	Habitability of planets: Future exploration missions -life on other planets
11:15-12:15	Session 1 (Chair: Bernd Dachwald)	Life in extreme environments
12:15-12:45	Keynote Lecture - Saul Yedgar	The role of red blood cell mechanical properties in blood circulation
12:45-13:30	Lunch Break	
13:30-14:15	Expert Seminar - Georg Büldt	Molecules in Action- from lipids to membrane proteins
14:15-15:00	Keynote Lecture - Peter Lelkes	Modulation of Stem Cell Differentiation by Microenvironmental Cues
15:00-15:15	Coffee Break	
15:15-15:45	Keynote Lecture - Wilhelm Roell	Magnetic Nanoparticle assisted cardiac cell engraftment in a murine infarct model
15:45-16:45	Session 2 (Chair: Kurt Pfannkuche)	Progress and challenges in cardiac cell replacement therapy
16:45-17:15	Keynote Lecture - Stefan Jockenhövel	Tissue Engineering & Textile Plants
17:15-17:45	Keynote Lecture - Wolfgang Heiden	Visualization issues of biological and chemical models
19:00	Departure for Dinner at conference venue	
20:00-23:00	Dinner - Bloomendaal (Vaals), Tel +31 (0)43 365 98 00	Hotel Kasteel Bloomendaal, Bloemendaalstraat 150 , 6291 CM Vaals , NL



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Saturday September 13, 2014

8:30-9:30	Expert Seminar - Jerry Pollack	The Fourth Phase of Water
9:30-10:30	Session 3 (Chairs: Aysegül Artmann + Siming Chen)	Aging and Cellular Engineering
10:30-11:00	Keynote Lecture - Petra Kleinbongard	Endogenous cardioprotection- from animal studies to clinical relevance
11:00-12:00	Session 4 (Chair: Petra Kleinbongard)	Affairs of the heart
12:00-12:45	Lunch Break	
12:45-13:30	Expert Seminar - Joe Zaccai	Cell biology with Neutrons
13:30-14:30	Session 5 (Chair: Andreas Stadler)	Biomolecular structure and dynamics
14:30-14:45	Coffee Break	
14:45-15:15	Keynote Lecture - Björn Neu	Polyelectrolyte nano- and micro-capsules as drug carriers
15:15-16:15	Session 6 (Chair: Uta Reibetanz)	Nano and microcapsules for biomedical application
16:15-16:45	Keynote Lecture - Heribert Bohlen	
16:45-17:45	Session 7 (Chair: Manfred Staat)	Biomechanics and Modelling
17:45-17:50	Fairwell Adress - Gerhard Artmann	

Posters and Industrial Exhibition:

Prof. Pollacks Book: *The Fourth Phase of Water*

Auditorium D110, Eupener Straße 70, 51066 Aachen
In German language, available during both conference days.
Ask Prof. Pollack personally for signing his book.

**Conference Venue: Auditorium D110, Eupener Straße 70, 51066 Aachen,
Cell Phones: 0163 8346437 (Dr. Schieffer), 0176 34872193 (Dipl. Ing. Kayser)**