MEDICAL TECHNOLOGY

Deutsch-Brasilianisches Jahr
der Wissenschaft, Technologie und Innovation 2010/11
Ano Brasil-Alemanha
da Ciência, Tecnologia e Inovação 2010/11

cor science
cardiovascular innovations

Hospital Alemão
OSWALDO CRUZ
INSTITUTO DE EDUCAÇÃO E CIÊNCIAS

MEDICAL VALLEY
Europäische Metropolregion Nürnberg

RWTH AACHEN UNIVERSITY

Deutsches Wissenschafts- und Innovationshaus
Centro Alemão de Inovação e Ciência
São Paulo

Medical Technology Workshop

Date:
20.09.2010
17:00 – 20:00

Place:
Oswaldo Cruz Hospital,
São Paulo

Keynote Speakers:


Prof. Schmitz-Rode


Uwe Günther


Cord Staehler

Medical Technology Workshop

The workshop gives an overview of the research activities and the strong network of research and industry in the field of medical technology in Germany. Successful examples of technology-transfer into the market will be shown by a representative of a young innovative German research company.

The aim is to enhance cooperation between German and Brazilian scientists in the field of medical technology and to start a sustainable and long-term exchange on this topic between Germany and Brazil.

Agenda:

17:00	Opening Speeches, Dr. Fernandes (HAOC), Mr. Pohlmann (HAOC), Dr. Heinze (Centro Alemão de Inovação e Ciência)
17;30	Prof. Thomas Schmitz-Rode, RWTH Aachen *Cardiopulmonary Support Systems: Modelling, Design and Validation*
18:00	Discussions
18:10	Cord Staehler, Siemens Medical Systems *Siemens Power to innovate the path to patient tailored medical care is based on cutting edge Technology and strong networking with the scientific community*
18:40	Discussions
18:50	Coffee break
19:10	Uwe Günther, Corscience GmbH & Co. KG *Cardiovascular Innovations from Corscience for the Brazilian Market*
19:40	Discussions
19:50	Closures

The workshop will be held in English.

Place / Date:

Hospital Alemão Oswaldo Cruz
Av. Treze de Maio, 1815 – Bloco B – 14º andar
Paraíso – São Paulo/SP
September 20th, 2010
17:00 – 20:00

Inscription:

German House of Science and Innovation / Centro Alemão de Inovação e Ciência
Email: dwih@ahkbrasil.com
Phone: +55 (11) 5187 5106
The event is free of charge.

MEDICAL TECHNOLOGY

Deutsch-Brasilianisches Jahr
der Wissenschaft, Technologie und Innovation 2010/11
Ano Brasil-Alemanha
da Ciência, Tecnologia e Inovação 2010/11

cor science
cardiovascular innovations

Hospital Alemão OSWALDO CRUZ | INSTITUTO DE EDUCAÇÃO E CIÊNCIAS

MEDICAL VALLEY
Europäische Metropolregion Nürnberg

RWTH AACHEN UNIVERSITY

Deutsches Wissenschafts- und Innovationshaus
Centro Alemão de Inovação e Ciência
São Paulo

Univ.-Prof. Dr. med. Dipl.-Ing. Thomas Schmitz-Rode,
Chairman, Applied Medical Engineering, RWTH Aachen University

Title: Cardiopulmonary Support Systems: Modelling, Design and Validation

Abstract: Cardiovascular disease is a major cause of death worldwide. Due to aging of the population, the incidence of heart failure is increasing. The talk presents some examples of current research concepts of our institute, aiming at improved design of third generation pump systems and of highly efficient hollow fiber membrane oxygenators. Other projects refer to the investigation of the interaction between technical components and the cardiovascular system.

Academic/University and Lecturing Positions

2005-2008	Managing Director, Helmholtz Institute for Biomedical Engineering, RWTH Aachen University
2004-current	Full Professor (C4), Applied Medical Engineering, Medical Faculty, RWTH Aachen University
2000-current	Chairman of the Aachen Center of Competence for Medical Technology – AKM
1992	Research Fellow at Dotter Interventional Institute and Research Laboratory, Oregon Health Sciences University, Portland, OR, USA

Education

1996	Habilitation, Diagnostic Radiology, Medical Faculty of RWTH Aachen University
1983-1988	Study of Human Medicine at RWTH Aachen University, Medical Degree
1976-1982	Study of Mechanical Engineering, RWTH Aachen University, Diploma

Dipl.-Ing. Cord Friedrich Staehler,
Chief Technology Officer, Siemens Healthcare

Title: "Siemens Power to innovate the path to patient tailored medical care is based on cutting edge Technology and strong networking with the scientific community"

Abstract: Imaging Technologies, In-vitro Diagnostics and Information Technologies enable a unique access to the understanding of our biomedical setup as humans. We are at the inflection point of being able to capitalize on decades of research applying it to routine medical process from diagnosis to treatment paving the road for a more effective healthcare – step by step towards "personalized medicine".

Employment

Cord F. Staehler serves as Chief Technology Officer of Siemens AG's Healthcare Sector, a 12.5 billion Euro global enterprise employing 48,000 people. The high quality products and cutting edge technologies range from Imaging Devices over Therapy Units to In-Vitro Diagnostics and complete Healthcare IT Solutions. Before joining Siemens Staehler was a Life Science Entrepreneur in Europe and the US.

Academic/University Advisory and Lecturing Positions

Mr. Staehler serves as a guest lecturer for the "Professional MBA & Pharmaceutical Management" course at Danube University in Krems, Austria, where he lectures on "Biotech Entrepreneurship".

Education

In 1996 Cord F. Staehler graduated from University of Siegen in Germany as a mechanical engineer. He holds a degree (Diplom / Masters) in theoretical mechanical engineering from the University of Siegen, he attended the undergraduate program of Business Administration at University of Hagen.

MEDICAL TECHNOLOGY

Deutsch-Brasilianisches Jahr
der Wissenschaft, Technologie und Innovation 2010/11
Ano Brasil-Alemanha
da Ciência, Tecnologia e Inovação 2010/11

cor science
cardiovascular innovations

Hospital Alemão OSWALDO CRUZ | INSTITUTO DE EDUCAÇÃO E CIÊNCIAS

MEDICAL VALLEY
Europäische Metropolregion Nürnberg

RWTH AACHEN UNIVERSITY

Deutsches Wissenschafts- und Innovationshaus
Centro Alemão de Inovação e Ciência
São Paulo

Dipl.-Ing Uwe Günther,
Head of Sales and marketing, Corscience

Title: "Cardiovascular Innovations from Corscience for the Brazilian Market "

Abstract: The presentation gives a short overview of the network "Medical Valley Erlangen". Innovative Technologies and OEM solutions, invented by Corscience,, will be presented in detail. This includes solutions for etCO2 and SpO2 and the ECG measurement and also the Corscience defibrillation technology. Possibilities to access these technologies "Engineered in Germany" by Brazilian companies ("manufactures in Brazil") will further be presented.

Employment
Currently Uwe Günther is serving Corscience Head of Sales and marketing. Before that he was active as Head of Corsciences defibrillator business.
After his studies in Electronics, Uwe Günther was working for the German defense industry. In 1993 he joined Biotronik, one of the leading pacemaker companies, as Director for the Electronic Development in Erlangen.

Academic/University Advisory and Lecturing Positions
Uwe Günther was giving lectures at the Summer school in Dresden and was holding several presentations at different congresses.

Education
Uwe Günther holds his Diploma in Electronic Design from the University of Erlangen-Nuernberg.