Thursday, June 2, 2011

39th International MEDICHEM Congress on Occupational and Environmental Health in the Production and Use of Chemicals

MEDICHEM 2011
Occupational Health in a Changing World

Heidelberg, Germany, 2 - 5 June 2011

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9.00  Departure of bus from Marriott Hotel

Excursion to BASF SE, Ludwigshafen
(the cradle of MEDICHEM; optional)

15.00  Return to Marriott Hotel

17.00  Registration, Handing over of posters and presentations

18.00  Opening Ceremony

Heidelberg Brass Orchestra, Champagne Reception

Moderation: Dr. Maren Beth-Hübner Chair of the Organizing and of the Scientific Committees of MEDICHEM 2011, BG RCI (German Social Accident Insurance Institution for the Raw Materials and Chemical Industry) Heidelberg, Germany

Theresia Bauer The Minister of Science, Research and the Arts of Baden-Württemberg, Germany

Dr. Eckart Würzner Lord Mayor of the City of Heidelberg, Germany

Prof. Dr. med. Dr. h. c. Alfred M. Thiess Founder and Honorary President of MEDICHEM, Ludwigshafen, Germany. Member of the Organizing and of the Scientific Committee of MEDICHEM 2011

Heidelberg Brass Orchestra
Dr. Eggert Voscherau Chairman of the Supervisory Board of BASF SE, Ludwigshafen, Germany

Michael Vassiliadis President of the Industrial Union of Mining, Chemical and Energy (IG BCE), Hannover, Germany

Dr. Gerd Romanowski Executive Director of the Chemical Industry Association (VCI), Frankfurt, Germany

Heidelberg Brass Orchestra

Thomas Köhler Managing Director BG RCI (Berufsgenossenschaft Rohstoffe und Chemische Industrie; German Social Accident Insurance Institution for the Raw Materials and Chemical Industry, formerly BG Chemie), Member of the Organizing Committee of MEDICHEM 2011, Heidelberg, Germany

Opening of Cold and Warm Buffet and Opening of Exhibition

Heidelberg Brass Orchestra

22.00 Ca. End
Welcome of the Chair of the Executive Committee of the MEDICHEM Board
Dr. Thirumalai Rajgopal Vice President, Global Medical & Occupational Health, Unilever, India

Welcome by the host, BG RCI
Thomas Köhler Managing Director BG RCI, Heidelberg, Germany

Introduction into the scientific program (Invited Speaker)
Prof. Dr. Heidi Foth Director of the Institute of Environmental Toxicology Martin-Luther University Halle-Wittenberg, Halle / Saale, Germany

8.50 – 9.55
Shift work and cancer – Current discussion
Chair:
Dr. Michael Nasterlack
Vice President, Occupational Medicine & Health Protection, BASF SE, Ludwigshafen, Germany
and
Dr. Abed bin Onn
Subang Jaya Selangor, Malaysia

KEYNOTE: The carcinogenicity of shift work – The IARC evaluation and beyond
Prof. Dr. Kurt Straif Head of the Section of the IARC Monographs, International Agency for Research on Cancer (IARC), World Health Organization (WHO), Lyon, France

Shift work and cancer: Principles, perspectives and Pitfalls of "white-box" epidemiology
Prof. Dr. Thomas C. Erren Institute and Policlinic for Occupational Medicine, Environmental Medicine and Prevention Research; University of Cologne, Germany

Shift work and cancer – State of science and practical consequences
Dr. Michael Nasterlack (Invited Speaker) Vice President, Occupational Medicine & Health Protection, BASF SE, Ludwigshafen, Germany

9.55 Tea / Coffee and Poster / Exhibition viewing
10.25 – 11.20
Case Reports – Interesting observations in the occupational health world
Chair:
Dr. Andreas Flückiger
Head of Roche’s Corporate Health Protection Department
Hoffmann-La Roche Ltd., Basel, Switzerland
and
Dr. Diane J. Mundt
ENVIRON International Corporation, Boston, USA

10.25 Can epigenetics affect occupational health? An overview
Dr. Amir Radfar Babol University of Medical Sciences, Babol, Iran
Granted the MEDICHEM Young Professionals Award

10.40 Evaluation of work-related psychosocial and ergonomic factors in relation to low back discomfort in emergency unit nurses
Prof. Dr. Ehsan Habibi Isfahan University of Medical Sciences, Isfahan, Iran
Granted the MEDICHEM Young Professionals Award

10.55 Exposure to ethyl methane sulfonate in a pharmaceutical: Risk assessment for patients and workers
Dr. Andreas Flückiger (Invited Speaker) Head of Roche's Corporate Health Protection Department, Hoffmann-La Roche Ltd., Basel, Switzerland

11.20 – 12.15 / 13.45 – 14.15
Toxicology – New results, emerging risks
Chair:
Prof. Dr. Günter Oberdörster
Professor of Toxicology
Department of Environmental Medicine, University of Rochester
Director of the University of Rochester-EPA Ultrafine Particle Center
Head of the Pulmonary Core of the NIEHS Center Grant Rochester, Rochester, USA
and
Dr. Kenneth A. Mundt
Principal and Director of Epidemiology
ENVIRON International Corporation, Amherst, USA

11.20 KEYNOTE: Environmental Toxicology – New results, emerging risks
Dr. Avi Wiener Medical Director, Institute of Occupational & Environmental Medicine, Rambam Medical Center, Israel
11.45 Aberrant methylation and expression of tumor suppressor gene p15 and p16 in benzene poisoning
Dr. Caihong Xing National Institute of Occupational Health and Poison Control, Chinese Center for Disease Control and Prevention, Beijing, China
Winner of the MEDICHEM Scholarship Award

12.00 Utilizing the pH 6.7 Syrian hamster embryo (SHE) cell transformation assay to predict the carcinogenic potential of aromatic amines
Dr. Sabine Plöttner Institute for Prevention and Occupational Medicine of the German Social Accident Insurance, Institute of Ruhr University Bochum (IPA), Bochum, Germany

12.15 Lunch and Poster / Exhibition viewing

13.45 Dose-response at very low exposures: Biological rhymes and reasons
Dr. Annette Santamaria ENVIRON International Corporation, Houston, Texas, USA

14.00 Censored exposure (dose) data: Challenges for the occupational hygienist, toxicologist and epidemiologist
Frederick Boelter ENVIRON International Corporation, Chicago, Illinois, USA
14.15 – 15.05 / 15.35 – 16.15

Regulation in occupational health – Recent developments

and

REACH – Impact on occupational and environmental health

Chair:

Prof. Dr. Andrea Hartwig
President of the „MAK-Commission“
(Senate Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area)
Professor at the Karlsruher Institute of Technology (KIT)
Institute of Applied Biosciences, Department of Food Sciences and Toxicology, Karlsruhe, Germany

and

Prof. Dr. Heidi Foth
Director of the Institute of Environmental Toxicology
Martin-Luther University Halle-Wittenberg, Halle / Saale, Germany

14.15 KEYNOTE: The concept of SCOEL to set OELs
Prof. Dr. Helmut Greim Member of SCOEL (Scientific Committee on Occupational Exposure Limits), Member of the Risk Assessment Committee of ECHA (European Chemicals Agency in Helsinki, Finland), Munich, Germany

14.40 The role of expert judgement and conceptional approaches in setting OELs by the German MAK Commission
Prof. Dr. Andrea Hartwig (Invited Speaker) President of the “MAK-Commission” (Senate Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area), Professor at the Karlsruher Institute of Technology (KIT), Institute of Applied Biosciences, Department of Food Sciences and Toxicology, Karlsruhe, Germany

15.05 Tea / Coffee and Poster / Exhibition viewing

15.35 Labelling of hazardous chemicals under GHS
Dr. Helmut Fleig Helmut Fleig Consulting, Mannheim, Germany

15.50 Occupational Exposure Limits and REACH
Dr. Gisela Stropp (Invited Speaker) Head, Institute for Toxicology, Department of Product Stewardship Industrial Chemicals & Operations at Bayer Schering Pharma AG, Chairperson of the subcommittee on “Hazard Risk Assessment” of the German Advisory Committee on Hazardous Substances (AGS-UAIII) Bayer Schering Pharma AG, Wuppertal, Germany
16.15 – 16.50
Strategic Approach to International Chemicals Management (SAICM) – Status and developments
Chair:
Prof. Dr. Maged Younes
Director Governing Bodies (GBS), Director Food Safety
World Health Organization (WHO), Geneva, Switzerland and former Head
UNEP (United Nations Environment Programme), Chemicals Branch, Nairobi, Kenya
and
Prof. Dr. Helmut Greim
Member of SCOEL (Scientific Committee on Occupational Exposure Limits)
Member of the Risk Assessment Committee of ECHA
(European Chemicals Agency in Helsinki, Finland), Munich, Germany

16.15 KEYNOTE: Introduction: Management of chemicals: The global context
Prof. Dr. Maged Younes Director Governing Bodies (GBS), Director Food Safety, World Health Organization (WHO), Geneva, Switzerland and former Head, UNEP (United Nations Environment Programme), Chemicals Branch, Nairobi, Kenya

16.30 South Africa – International conventions (ILO, REACH), local legislative framework, best practice and biological monitoring: A 25 years perspective. What can we learn from this for developing countries? (Invited Speaker)
Dr. William Murray Coombs Dow, Regional Health Director - Middle East, Africa & India, Sentrachem Limited, Bryanston, South Africa

18.00 Church of the Holy Spirit (Heilig Geist Kirche), Organ Concert with Wenzel Hübner
(Entrance from 17.45 to 18.15, then door will be closed)

19.00 Palais Prinz Carl, Kornmarkt 1, Reception with the Mayor of the City of Heidelberg Wolfgang Erichson

21.30 Ca. End
8.30 – 10.00 / 10.30 – 12.30
Nanotechnology – Challenges and solutions
Chair:
Prof. Dr. Dr. Uwe Heinrich
Head of Fraunhofer Institute for Toxicology and Experimental Medicine (ITEM), Hannover, Germany
and
Dr. Maren Beth-Hübner
BG RCI (German Social Accident Insurance Institution for the Raw Materials and Chemical Industry), Department of Hazardous Substances and Biological Agents at Work, Heidelberg, Germany

8.30 KEYNOTE: Nanotoxicology, a challenge for nanotechnology
Prof. Dr. Günter Oberdörster
Professor of Toxicology, Department of Environmental Medicine, University of Rochester, Director of the University of Rochester-EPA Ultrafine Particle Center, Head of the Pulmonary Core of the NIEHS Center Grant Rochester, Rochester, USA

9.00 Nanotechnology - Challenges for and solutions via inhalation toxicology
Prof. Dr. Dr. Uwe Heinrich (Invited Speaker) Head of Fraunhofer Institute for Toxicology and Experimental Medicine (ITEM), Hannover, Germany

9.30 Responses to pulmonary exposure to nanoparticles in NIOSH animal studies
Dr. Vincent Castranova (Invited Speaker) NIOSH (National Institute for Occupational Safety and Health), Chief of the Pathology and Physiology Research Branch, Morgantown, USA

10.00 Tea / Coffee and Poster / Exhibition viewing

10.30 Studies on the carcinogenicity of carbon nanotubes
Prof. Dr. Ken Donaldson (Invited Speaker) Queens Medical Research Institute, University of Edinburgh, Edinburgh, Scotland, UK

11.00 Evaluation of nanoparticles by the German MAK Commission: Current status and research needs
Prof. Dr. Andrea Hartwig (Invited Speaker) President of the "MAK-Commission" (Senate Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area), Professor at the Karlsruhe Institute of Technology (KIT), Institute of Applied Biosciences, Department of Food Sciences and Toxicology, Karlsruhe, Germany
11.30 Exposure assessment strategies of engineered nanomaterials in the workplace and implementation to the industrial practice
*Dr. Stefan Engel* BASF SE, Hazardous Chemicals Management, Ludwigshafen, Germany

11.50 Occupational health and safety at handling and use of carbon nano tubes
*Dr. Jacques Ragot* Bayer Material Science AG, Global Product Stewardship, Leverkusen, Germany

12.10 Exposure control: Prudent practices at the workplace
*Dr. Thomas H. Brock* (Invited Speaker) BG RCI (German Social Accident Insurance for the Raw Materials and Chemical Industry), Heidelberg, Germany

12.30 *Lunch and Poster / Exhibition viewing*

14.00 – 15.00 / 15.30 – 16.00
**Adverse effects on employees, customers and the general public – Preventive measures**
Chair:
*Dr. Michael Nasterlack*
Vice President, Occupational Medicine & Health Protection, BASF SE, Ludwigshafen, Germany
and
*Dr. William Murray Coombs*
Dow, Regional Health Director - Middle East, Africa & India, Sentrachem Limited, Bryanston, South Africa

14.00 Ototoxic substances at the workplace
*Dr. Eberhard Nies* Institute for Occupational Safety and Health of the German Social Accident Insurance (IFA), Sankt Augustin, Germany

14.15 The European social dialogue on crystalline silica – A sustainable agreement in occupational health
*Dr. Karlheinz Guldner* VBG (Verwaltungsberufsgenossenschaft), Würzburg, Germany

14.30 Occupational health during the decommissioning of mercury cells plants
*Dr. Jean-Claude Besson* Arkema, Euro Chlor, Saint-Fons, France
(presented by *Dr. Michael Nasterlack* Vice President, Occupational Medicine & Health Protection, BASF SE, Ludwigshafen, Germany)
14.45 Particulate matter (PM) in new technology diesel exhaust (NTDE) is distinctly different from traditional diesel exhaust (TDE)

*Dr. William B. Bunn*  Vice President - Health, Safety, Security and Productivity, Navistar, Inc., Professor In Preventive Medicine, Northwestern University School of Medicine, Chicago, USA

15.00 Tea / Coffee and Poster / Exhibition viewing

15.30 Working environment control over lead toxicity at ceramics powderdust manufacturing factory

*Dr. Keiichi Fujimoto*  Osaka Medical College, Department of Hygiene and Public Health, Osaka, Japan

Granted the MEDICHEM Young Professionals Award

15.45 Chemical ocular burns: Experimental data and clinical implications

*Prof. Dr. Norbert Schrage*  Head of Ophtalmology Department, University Hospital Köln-Merheim, Köln, Germany

16.00 MEDICHEM General Assembly

17.00

18.00 Departure of bus from Marriott Hotel to Heidelberg Castle

19.00 Reception, Gala Dinner and Giant Fireworks at Heidelberg Castle

23.00 First bus to Marriott Hotel

23.45 Last bus to Marriott Hotel
8.30 – 10.15 / 10.45 – 11.30
Biomarkers – Progress in research and practical application

Chair:
Dr. Heiko U. Käfferlein
Head of Center of Toxicology, Institute for Prevention and Occupational Medicine of the German Social Accident Insurance Institute of Ruhr University Bochum (IPA), Bochum, Germany
and
Dr. Martina Piasek
Institute for Medical Research and Occupational Health, Zagreb, Croatia

8.30 KEYNOTE: Aromatic amines and bladder cancer – Current and future biomarkers for health preventive measures
Dr. Heiko U. Käfferlein Institute for Prevention and Occupational Medicine of the German Social Accident Insurance, Institute of Ruhr University Bochum (IPA), Head of Center of Toxicology, Bochum, Germany

8.50 Uroscreen - Tumor markers for early detection of bladder cancer in chemical workers
Dr. Beate Pesch Institute for Prevention and Occupational Medicine of the German Social Accident Insurance, Institute of Ruhr University Bochum (IPA), Bochum, Germany

9.10 Biomarkers of metal exposure and their effects in women of childbearing age in Zagreb Ccounty, Croatia
Dr. Martina Piasek Institute for Medical Research and Occupational Health, Zagreb, Croatia
Winner of the MEDICHEM Scholarship Award

9.25 Protein adduct analysis after short-term exposure to alkylating chemicals – Examples, prospects, limitations
Dr. Michael Bader BASF SE, Occupational Medicine & Health Protection, Ludwigshafen, Germany

9.40 Assessing chemical exposures to improve health
Dr. Rupali Das Exposure Assessment Section, Environmental Health Branch, California Department of Public Health, Richmond, USA
9.55 Effects of vapours and aerosols of bitumen on biomarkers of inflammation – Assessment of irritative effects on the airways of mastic asphalt workers using non-invasive methods

Prof. Dr. Monika Raulf-Heimsoth Institute for Prevention and Occupational Medicine of the German Social Accident Insurance, Institute of the Ruhr University Bochum (IPA); Bochum, Germany

10.45 Novel approach for the biomonitoring of occupational exposure to 2-chloroprene

Dr. Thomas Göen Institute and Outpatient Clinic of Occupational, Social and Environmental Medicine (IPASUM), University of Erlangen-Nuremberg, Erlangen, Germany

11.00 Occupational exposure to mercury in oil and gas platforms: Confounding effects of seafood intake in biomonitoring of blood

Prof. Dr. Salmaan H. Inayat-Hussain University Kebangsaan Malaysia, Kuala Lumpur, Malaysia

11.15 Simulation of blood and urine levels with a generic PBTK-model in MS-excel following inhalation and/or oral uptake and/or dermal exposure

Dr. Frans Jongeneelen IndusTox Consult, Nijmegen, Netherlands

11.30 – 12.40

Occupational health – Trends and evolution

Chair:
Dr. Steffen Hitzeroth
Medical Director Occupational Health
Procter & Gamble Service GmbH, Schwalbach a. Ts., Wiesbaden, Germany

and

Dr. Andreas Flückiger
Head of Roche’s Corporate Health Protection Department
Hoffmann-La Roche Ltd., Basel, Switzerland

11.30 KEYNOTE: Psychosocial risks at the workplace – An increasing challenge for health protection

Dipl.-Psych. Roland Portuné BG RCI (German Social Accident Insurance Institution for the Raw Materials and Chemical Industry), Department of Occupational Psychology, Heidelberg, Germany
11.50 Evolution of social protection systems for occupational and industrial risks
Dr. Irina Filip University of Medicine and Pharmacy Gr. T. Popa, Iasi, Romania

12.05 Development and pilot of a leading health metric scorecard for the UK chemical industry
Dr. Alister Scott Johnson Matthey PLC, Royston, Herts, UK

12.20 Unconventional threats to corporate leadership: General concepts of preparedness, recognition, and mitigation
Dr William L. Lang Former Medical Director at the White House, USA

12.40 Promotion of MEDICHEM 2012 in Cancun, Mexico

12.45 Promotion of MEDICHEM 2013

12.50 Closing of Conference
Thomas Köhler Managing Director BG RCI, Heidelberg, Germany

13.00 Lunch (optional)