

07.-18.02.2005

Occupational Toxicology Course 2005

Organisation: *IfADo*, Dortmund, Internationales Graduiertenkolleg des Toxikologie-Instituts der Heinrich-Heine-Universität, Düsseldorf & Niederländisches Postgraduate Education Programme on Toxicology

Monday, 07 Feb 2005 (K.U. Nijmegen)

- Health risks at the workplace - *R.P. Bos*
- Environmental measurements, measuring strategies and interpretation of measurements - *H. Kromhout*
- Occupational allergies – principles - *D. Heederik*
- Calculation of dermal permeation rates [SKINPERX computer training] - *P.T.J. Scheepers*

Tuesday, 08 Feb 2005 (K.U. Nijmegen)

- Chemical carcinogenesis and biomonitoring of occupational exposure to carcinogens - *R.P. Bos*
- Biomonitoring of carcinogens by measurement of blood protein adducts - *P.T.J. Scheepers*
- Occupational epidemiology of health effects at the workplace - *N. Roeleveld*
- Biomonitoring in the petrochemical industry - *P. Boogaard*
- Mining of toxicity data in the public domain [PATCHWORK computer training] - *P.T.J. Scheepers*

Wednesday, 09 Feb 2005 (*IfADo* Dortmund)

- Derivation of occupational exposure standards (OEL, MAK, MAC, TLV, TRK): Toxicological and regulatory background - *H. Greim* (Freising-Weihenstephan), *H.M. Bolt* (Dortmund)
- Derivation of biomonitoring standards. Occupational versus environmental exposures: BEI, BLV, BAT, BLW value setting - *K.H. Schaller* (Erlangen)

Thursday, 10 Feb 2005 (*IfADo* / Bayer AG)

- Site visit: Bayer AG, Institut für Biologisches Monitoring: Biological monitoring strategies in the chemical industry - *Gabriele Leng* (Leverkusen)

Friday, 11 Feb 2005 (*IfADo*)

- Occupational diseases: general aspects, toxicological examples, legal aspects, systems in Germany and in the Netherlands - *E. Hallier* (Göttingen), *T. Pal* (Amsterdam), *K. Golka*, *H.M. Bolt* (Dortmund)

Monday 14 Feb 2005 (*IfADo* / BGFA Bochum)

- Visit of the Berufsgenossenschaftliches Forschungsinstitut für Arbeitsmedizin der Ruhr-Universität Bochum (BGFA)
 - Organisational matters of the BG system in Germany (prevention and compensation of occupational diseases)
 - Clinical aspects of respiratory diseases and of occupational allergy, (dangerous compounds in mining) - *T. Brüning*, *R. Merget* (Bochum)

Tuesday, 15 Feb 2005 (*IfADo*)

Formation of Working Groups, case discussions

Working Group topics:

- OELs and biomonitoring for selected chemicals - *H.M. Bolt*, *M. Blaszkewicz* (Dortmund)
- Solvent effects of selected occupational toxicants on the CNS - *E. Kiesswetter et al.* (Dortmund)
- Evaluation of occupational carcinogens - *K. Golka*, *Gisela H. Degen* (Dortmund)

Wednesday, 16 Feb 2005 (*IfADo*)

- Continuation of Working Groups / interactions

Thursday, 17 Feb 2005 (*IfADo*)

- Mechanistic aspects of fibre toxicity - *P. Borm* (Heerlen)
- Continuation of Working Groups / interactions

Friday 18 Feb 2005 (*IfADo*)

- Occupational exposure to physical factors/agents, including practical laboratory demonstrations - *Barbara Griefahn* (Dortmund)
- Final written examination