

Radboudumc

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This course is part of the Postgraduate Education in

Toxicology (PET) programme: <http://www.toxcourses.nl/>

Course fee:

€ 3000,- (PhD-students can apply at office.pet@wur.nl for a reduced fee)



Radboud Institute for Health Sciences
Nijmegen, The Netherlands



Universiteit Utrecht

Institute for Risk Assessment Sciences



Division of Environmental Epidemiology, Universiteit Utrecht and
Julius Center, University Medical Center Utrecht, The Netherlands



Academic Medical Center
University of Amsterdam

Coronel Institute for Occupational Health



Netherlands Expertise Centre for Occupational Respiratory Disorders



LEIBNIZ-INSTITUT
FÜR ARBEITSFORSCHUNG
AN DER TU DORTMUND



IPA
Institut für Prävention und Arbeitsmedizin
der Deutschen Gesetzlichen Unfallversicherung
Institut der Ruhr-Universität Bochum



Bundesanstalt für Arbeitsschutz
und Arbeitsmedizin

**Preliminary programme of the
post-graduate course in**

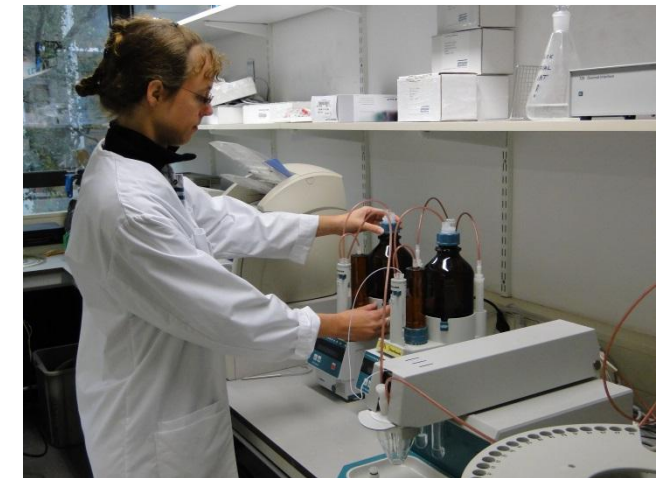
Occupational Toxicology

28 May – 1 June 2018

Nijmegen

4 – 8 June 2018

Dortmund/Bochum



Mon 28 May 2018 (Radboudumc, Nijmegen)

- 10:30 Health risks at the workplace (P.T.J. Scheepers, Radboudumc)
- 11:30 Risk assessment of industrial chemicals (P.T.J. Scheepers, Radboudumc)
- 13:30 Dermatoxicology (S. Kezic, AMC)
- 14:30 PATCHWORK - Mining of toxicity data in the public domain (P.T.J. Scheepers, Radboudumc)

Tue 29 May 2018 (Radboudumc, Nijmegen)

- 09:30 Occupational hygiene: measuring, interpretation and reduction of exposure (Remko Houba, NKAL/PreventPartner)
- 11:00 Occupational allergies – principles (J. Rooijackers, NKAL/IRAS/UU)
- 12:30 Chemical reactivity and toxicology (P.T.J. Scheepers, Radboudumc)
- 14:30 SAR modeling of industrial chemicals (P.T.J. Scheepers, Radboudumc)

Wed 30 May 2018 (Radboudumc, Nijmegen)

- 09:30 Epigenetics in occupational health (L. Godderis, KU Leuven)
- 11:00 Nano, not only a matter of size (P. Hoet, KU Leuven)
- 13:30 Theory of skin absorption (P.T.J. Scheepers, Radboudumc)
- 14:30 QSAR modelling of skin absorption of (P.T.J. Scheepers, Radboudumc)

Thu 31 May 2018 (Radboudumc, Nijmegen)

- 09:30 Occupational accidents (P.T.J. Scheepers, Radboudumc)
- 10:30 Occupational epidemiology of health effects at the workplace (N. Roeleveld, Radboudumc)
- 11:30 Dose response modelling (P.T.J. Scheepers, Radboudumc)
- 13:30 Modeling of dose-response relationships to derive a safe dose

Fri 1 June 2018 (Radboudumc, Nijmegen)

- 09:30 General principles of biomonitoring (P.T.J. Scheepers, Radboudumc)
- 10:30 Biological monitoring following incidents (P.T.J. Scheepers, Radboudumc)
- 11:30 Chemical carcinogenesis and biomonitoring of occupational exposure to carcinogens (R. Vermeulen, IRAS/UU)
- 14:00 Biomonitoring of industrial chemicals (P.J. Boogaard, Shell Health)
- 15:30 Written examination –first part

Mon 4 June 2018 (IfADo Dortmund)

- 09:00 Introduction (J. Hengstler, IfADo)
- 10:30 Metabolism and carcinogenesis (J. Hengstler, IfADo)
- 13:00 Biological monitoring strategies in the chemical industry (G. Leng, Leverkusen)
- 13:45 Occupational exposure scenarios and carcinogenesis / OELs and biomonitoring (G.H. Degen, H.M. Bolt, K. Golka, IfADo)

Tue 5 June 2018 (BAuA, Dortmund)

- 09:00 Occupational exposure limit derivation (OELs) in Germany: methods & organisation (T. Gebel, BAuA)
- 09:30 Differences and similarities in OEL derivation: AGWs, MAK, DNELs, biocides (C. Guhe, BAuA)
- 10:15 Approaches to exposure assessment at the workplace (U. Schlüter, BAuA)
- 12:30 How to assess OEL compliance? Analytical practice (R. Hebisch, BAuA)
- 13:45 How to ensure occupational safety in case of exposure to carcinogens in Germany: risk-based exposure values (C. Drossard, BAuA)
- 14:45 Metal toxicology and OEL/cancer risk value derivation (A. Hartwig, Karlsruhe)
- 16:15 Microparticles, nanoparticles and fibres: OELs in Germany (T. Gebel, BAuA)

Wed 6 June 2018 (IPA, Bochum)

- 09:00 Organizational matters of the accident Insurance System in Germany (R. Merget, IPA)
- 10:00 Clinical aspects of respiratory diseases and occupational allergy (R. Merget, IPA)
- 10:30 Biological monitoring (H.M. Koch, IPA)
- 11:00 Early cancer detection at the workplace using biomarkers (H.U. Käfferlein, IPA)
- 13:00 Study designs in occupational allergy (M. Raulf, IPA)
- 13:30 Field studies in occupational toxicology - strengths, pitfalls and practical experiences (P. Welge, IPA)
- 14:00 Data modeling of occupational exposures (D. Taeger, IPA)
- 14:30 Hazard and risk assessment - individual Examples (H.U. Käfferlein, IPA)

Thu 7 June 2018 (IfADo Dortmund)

- 09:00 Occupational diseases: general aspects, toxicological examples, legal aspects, systems in Germany and in the Netherlands (E. Hallier, Göttingen, T. Pal, Amsterdam, K. Golka, IfADo)
- 13:00 Chronic solvent-induced encephalopathy (CSE) – An European consensus for the assessment of an occupational disease (C. van Thriel, IfADo)
- 13:30 Biological targets of organic solvents: Ion channels and ligand-gated receptors in the nervous system (J. Liebing, IfADo)
- 14:00 In vitro methods for the assessment of acute solvents effects: Ca-Imaging and two-electrode voltage clamp (R. Lehmann, IfADo)
- 14:30 Assessment of acute solvent effects in experimental exposure studies: The IfADo ExpoLab (C. van Thriel, IfADo)

Fri 8 June 2018 (IfADo Dortmund)

- 09:00 Occupational toxicology of particles (P. Morfeld, Essen)
- 10:30 Estimating the remaining replicative potential of pollutant exposed cells". (P. Ziegler, RWTH, Aachen)
- 13:00 Written examination –second part