

RA-COURSES

Advanced international training courses in health risk assessment

Dietary Exposure Assessment: Concentration and consumption databases and probabilistic modelling

**RIVM, Bilthoven, The Netherlands
October 25-29, 2010**

The course is organised by RA-COURSES, a project funded by European Union Marie Curie Actions.

The objective of the course is to familiarize participants with dietary exposure assessment to toxic compounds and in particular with probabilistic modelling of dietary exposure.

The course will include different items connected with dietary exposure assessment. These include among others:

- Importance of exposure modelling in risk assessment
- Models to integrate chemical levels and food consumption data to assess dietary exposure assessments (e.g. point estimate / deterministic approach / probabilistic approach, characteristics different approaches, acute vs. chronic exposure, which method most appropriate for which situation, data availability, recipe databases, databases to convert food as eaten into raw agricultural products)
- Probabilistic modelling in particular:
 - Using the software programme @RISK with which participants will be taught the basic principles of probabilistic modelling using simple examples.
 - Performance of more complex examples of probabilistic modelling using the MCRA (Monte Carlo Risk Assessment) programme, including sensitivity and uncertainty analyses
 - Refinement of exposure modelling: processing effects, variability (when addressing the acute exposure to pesticides), levels assigned to samples with levels below the limit of detection
- Pan-European modelling of exposure
- Further developments in modelling of exposure: integration with effect modelling, risk – benefit modelling, exposure to more than one compound (risk-benefit, cumulative exposure).
- Intake modeling in the field of nutrition

The course consists of lectures and computer exercises.

The intended learning outcome is knowledge of exposure modelling and probabilistic modelling in particular, and how this is organised at the international level related to the evaluation/assessment of toxic compounds.

The course is intended for PhD students, post docs, senior scientists and other professionals. Thirty places are available.

Course fee is 150 euro and will include course material, lunches, coffee breaks and social programme. Course fee for participants from industry is 500 euro. Payment details will be supplied to accepted participants later.

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RA-COURSES will offer funding for travel, subsistence and course fee for 20 PhD students and 5 post docs.

Deadline for application to the course is August 27, 2010.

For further information and application visit: www.cascadenet.org/~RA-COURSES

Course organiser: Polly Boon, RIVM, The Netherlands.

Course committee: Polly Boon and Jacob van Klaveren, RIVM, The Netherlands, Mattias Öberg and Marika Berglund, Karolinska Institutet, Sweden, Patrik Andersson and Karin Wiberg, Umeå University, Sweden

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