

## Post-Doc Position in Human and Environmental Toxicology

The research group of Professor Dan Dietrich, Head of the Human and Environmental Toxicology Group @ the University of Konstanz, is involved in a 4 Year EU FP7 Research Project called ChemScreen (1.1.2010 -31.12.2013).

**ChemScreen**—*Chemical Substance In Vitro/In Silico Screening System To Predict Human-And Ecotoxicological Effects* aims to assess reproductive toxicity, with direct extrapolation to humans and the environment, using a more general innovative animal-free testing strategy. For this, we will generate a simple rapid screening system, which aims at widespread implementation within the tight time schedule of the REACH program. It will use *in silico* methods for prescreening chemicals for all relevant toxic effects. When found positive, this will be followed by further *in silico* and *in vitro* tests, most of which are available already. To fill the gap of suitable alternative methods for reproductive toxicity testing we will use a novel high throughput approach combining *in silico/in vitro* methods.

**Position Description:** The position offered is a **3-year post-doctoral** position with some possibilities to be extended by another year. The professional sought will be maintaining and completing an already existing databank on aquatic toxicity (SQL with PHP Script) with data on endocrine active compounds in fish and the respective reprotox endpoints. Beyond the existing database and data to be entered, more data shall be sought via lit searches. The sought individual will also work in collaboration with other ChemScreen partners, especially TNO, RIVM and BDS in the Netherlands, Fraunhofer and the University of Tübingen in Germany, SIMPLE in Spain, the Danish Technical University, and Procter & Gamble in Belgium, to develop methods how to extract and refine data from the continuously developed databank for entry into decision trees. Consequently the successful candidate should have some toxicological background, possibly aquatic or reproductive toxicology, knowledge of several software systems and databanks (possibly with some programming knowledge), have experience with literature searches, and have excellent command of English. Applicants with the possibility to start with the position on short notice would be preferred.

For more information or submission of applications please contact

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