

Announcement

PhD position in human toxicokinetics of organic solvents: Unisante, Lausanne, Switzerland

About the Project

A fully funded PhD position (100%) over 3.5 years is available in the Exposure Science Unit in the Department of Occupational and Environmental Health at the Center for Primary Care and Public Health (Unisanté) and University of Lausanne. The PhD student will conduct toxicokinetic studies with human volunteers exposed to solvents under controlled conditions to elucidate absorption, distribution, metabolism and elimination (ADME) of organic solvents used in industry.

This approach uses healthy human volunteers (i.e. age, BMI) and a mathematical description of solvent ADME. The results will be used to develop a biological monitoring method for surveying exposed populations. This research project is of particular importance in occupational and public health. Solvents found in products used by both professional and private consumers are currently lacking human toxicokinetic data. Therefore, the current risk assessment paradigm makes large assumptions based on very uncertain data to estimate direct exposures via vapor inhalation. The Swiss Center for Applied Human Toxicology (SCAHT) has recognized these important needs and have initiated a neurotoxicity program including the aim of toxicokinetic to relate health effects from exposures.

The successful candidate will have a Master Degree or equivalent in the field of any of the scientific domains: toxicology, biology, chemistry, or physics. The applicant will need to be accepted as a PhD student at the University of Lausanne. We are looking for a highly motivated individual with a strong scientific background and excellent communication skills.

The working language is French and English.

Application/contact

Please apply online <https://emploi.unisante.ch/offre/doctorant-e>

For questions regarding the position please contact PD Dr. N.B. Hopf: [Email: Nancy.Hopf@unisante.ch]