



2016-IPR-I-000-6553

Trainee on Predictive Toxicology

Position for:

Trainee

Short description of activity:

The Joint Research Centre (JRC) is the European Commission's in-house science service with its scientific and technical expertise divided into seven institutes; one of those is the Institute for Health and Consumer Protection (IHCP).

The Systems Toxicology Unit (ST), including The European Union Reference Laboratory for alternatives to animal testing (EURL ECVAM), is part of the IHCP.

We develop, evaluate, harmonise and promote innovative methods for the regulatory safety assessment of chemicals. We provide support to a broad range of policy areas including industrial and household chemicals, cosmetics, food, plant protection products, endocrine disrupters and chemical mixtures.

The traineeship position will give support to ongoing EURL ECVAM activities, with focus on developing integrated approaches for the regulatory assessment of chemicals under the umbrella of Directive 2010/63/EU on the protection of animals used for scientific purposes.

This traineeship will focus on analysis of information on the toxicokinetics and toxicodynamics of chemicals to better interpret the results of in vitro cytotoxicity testing in relation to the prediction of acute systemic toxicity in humans. This will be done by means of literature research, as well as mathematical modelling approaches (application of the Virtual Cell Based Assay model and sensitivity analysis)

	<p><u>Qualifications:</u></p> <p><u>Essential:</u> Master degree in toxicology, computational toxicology, biology, food safety, or natural science.</p> <p>Good knowledge of spoken and written English (level B2).</p> <p><u>Advantage:</u> Knowledge of biokinetic modelling. Knowledge of chemical risk assessment principles. Knowledge of mammalian toxicology.</p> <p><u>For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:</u></p> <p>https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees</p>
Institute/Directorate Unit	<p>IHCP – JRC I.5 – Systems Toxicology</p> <p>Further information: https://eurl-ecvam.jrc.ec.europa.eu/</p>
Indicative duration	max. 5 months
Preferred starting date	as soon as possible
JRC Site	Ispra
Country	Italy
<u>JRC contact details</u>	<p>For any technical problems with your application, please contact: JRC-ESRA@ec.europa.eu</p>