



**2017-IPR-F-000-9244**

**Trainee on Chemical Mixtures and PBK Modelling**

**Position for:**

Trainee

As the science and knowledge service of the Commission, the mission of Joint Research Centre is to support EU policies with independent evidence throughout the whole policy cycle.

The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: <http://www.jrc.ec.europa.eu>

**Short description of activity:**

The Chemical Safety and Alternative Methods (F.3) including The European Union Reference Laboratory for alternatives to animal testing (EURL ECVAM), is part of the Directorate F for Health, Consumers and Reference Materials.

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 activities in the unit in relation to methodology for the safety assessment of chemical mixtures, particularly the development of computer-based methods as an alternative to animal testing. The project will focus on applying Physiologically Based Kinetic (PBK) models for the estimation of biomonitoring equivalents.

The trainee's main task will be to contribute to the development of a strategy to interpret biomonitoring data by applying PBK models. The initial task will include a literature search to gather information and understand the current state of science of the topic.

	<p><b><u>Qualifications:</u></b></p> <p><b><u>Essential:</u></b></p> <ul style="list-style-type: none"> <li>• Master's degree in computational toxicology / computational chemistry / pharmacology / toxicology / chemistry / biology or related fields.</li> <li>• Programming skills in Berkley Madonna</li> <li>• Good level of English (level B2).</li> </ul> <p><b><u>Advantage:</u></b></p> <ul style="list-style-type: none"> <li>• Modelling experience</li> <li>• Understanding of biomonitoring data</li> <li>• Knowledge in the area of chemical mixtures</li> </ul> <p><b><u>For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:</u></b></p> <p><a href="https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees">https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees</a></p>
<p><b>Institute/Directorate Unit</b></p>	<p>Directorate F – Health, Consumers and Reference Materials visit</p> <p>Chemical Safety and Alternative Methods Unit</p> <p>Further information:  <a href="https://ec.europa.eu/jrc/en/research-topic/alternatives-animal-testing-and-safety-assessment-chemicals">https://ec.europa.eu/jrc/en/research-topic/alternatives-animal-testing-and-safety-assessment-chemicals</a>  and/or <a href="http://eurl-ecvam.jrc.ec.europa.eu">http://eurl-ecvam.jrc.ec.europa.eu</a></p>
<p><b>Indicative duration</b></p>	<p>5 months</p>
<p><b>Preferred starting date</b></p>	<p>As soon as possible</p>
<p><b>JRC Site</b></p>	<p>Ispra</p>
<p><b>Country</b></p>	<p>Italy</p>
<p><b><u>JRC contact details</u></b></p>	<p><b>For any technical problems with your application, please contact:</b>  <a href="mailto:HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu">HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</a></p>