



2019-IPR-F-000-013448

Traineeship for making a battery of *in vitro* methods completely animal free

<p>Position for:</p> <p>Trainee</p>	<p>As the science and knowledge service of the European Commission, the mission of Joint Research Centre (JRC) is to support EU policies with independent evidence throughout the whole policy cycle.</p> <p>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</p> <p><u>Short description of activity:</u></p> <p>The Chemical Safety and Alternative Methods Unit (F.3), which includes The European Union Reference Laboratory for Alternatives to Animal Testing (EURL ECVAM), is part of the JRC's Directorate F for Health, Consumers and Reference Materials.</p> <p>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.</p> <p>With the support of our network of validation laboratories (EU-NETVAL), we are validating 16 <i>in vitro</i> methods for the identification of thyroid disrupting chemicals. The aim of the validation study is to deliver a battery of <i>in vitro</i> methods that are animal free and can be reliably used to support regulatory decision making. Most of these <i>in vitro</i> methods make use of one or more animal-based reagents, such as Foetal Bovine Serum or antibodies.</p> <p>The five-month traineeship position will identify animal-based ingredients used in a battery of 16 <i>in vitro</i> methods that are each representing one of the important key events for thyroid disruption. This work will contribute to a plan for replacing the animal-based ingredients with animal-free alternatives.</p> <p>The trainee will perform literature search and interact with experienced EURL ECVAM staff for knowledge transfer on the different <i>in vitro</i> methods. This traineeship is entirely office-based and does not involve laboratory work.</p> <p>For more information visit:</p> <p>Our Unit website for the general context.</p> <p>The EU-NETVAL website with information on the network of validation laboratories and a link to the thyroid project.</p>
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	<p>The OECD scoping document on <i>in vitro</i> and <i>ex vivo</i> assays for the identification of modulators of thyroid hormone signalling.</p> <p>OECD guidance on Good <i>in vitro</i> method practices.</p> <p>What is understood by animal-free research.</p> <p>Animal-Friendly Affinity Reagents.</p> <p>Qualifications:</p> <p>Essential:</p> <ul style="list-style-type: none"> • Master’s degree in one of the following fields: biology, biochemistry, biotechnology, biological sciences biopharmaceutical development, chemistry, pharmacology, toxicology or cell engineering. • Required English (level B2). • Minimum 2 years practical experience with <i>in vitro</i> cell culturing. <p>Advantage:</p> <ul style="list-style-type: none"> • Knowledge in the field of endocrine disruption. • Experience with <i>in vitro</i> method validation (in-house or ring trial). • Experience with the preparation of (chemically defined) cell culture media. • Experience in implementing practically the OECD Good In Vitro Method Practice Guidance <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>Directorate F – F.3 – Chemical Safety and Alternative Methods Unit</p> <p>Further information: https://eurl-ecvam.jrc.ec.europa.eu/</p>
Indicative duration	5 months
Preferred starting date	January 2020
JRC Site	Ispra
Country	Italy

<u>JRC contact details</u>	For any technical problems with your application, please contact: HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu
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