



**2017-IPR-F-000-8889**

**Trainee on neurodevelopmental toxicology**

<p><b>Position for:</b></p> <p>Trainee</p>	<p>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.</p> <p>The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: <a href="http://www.jrc.ec.europa.eu">http://www.jrc.ec.europa.eu</a></p> <p><b><u>Short description of activity:</u></b></p> <p>The Chemical Safety and Alternative Methods Unit (F.3) including The European Union Reference Laboratory for Alternatives to Animal Testing (EURL ECVAM), is part of 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>The traineeship position will be embedded in the activities of the EU Reference Laboratory for Alternatives to Animal Testing (EURL ECVAM) related to the development and validation of alternative methods to animal testing, as mandated by Directive 2010/63/EU on the protection of animals used for scientific purposes. The traineeship will be focused on testing persistent organic pollutants (POP) mixture(s) and single compounds using in vitro approaches, implementing high throughput and high content methods for the neurodevelopmental toxicological profiling of chemicals. Tasks could be based on one or more of the following aspects:</p> <ul style="list-style-type: none"><li>➤ Induced pluripotent stem cell culturing</li></ul>
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	<p>and differentiation towards neuronal/glial phenotype;</p> <ul style="list-style-type: none"> <li>➤ Immunocytochemistry;</li> <li>➤ Functional microscopy and high content imaging;</li> <li>➤ RT-PCR;</li> <li>➤ Application of micro-electrode Arrays for electrophysiological measurements.</li> </ul> <p>EURL ECVAM is part of the European Commission Joint Research Centre (JRC), located in Ispra, Italy. For more information on the EURL ECVAM work <a href="https://eurl-ecvam.jrc.ec.europa.eu/">https://eurl-ecvam.jrc.ec.europa.eu/</a></p> <p><b><u>Qualifications:</u></b> <b><u>Essential:</u></b></p> <ul style="list-style-type: none"> <li>• Bachelor's Degree in life sciences, (bio)engineering or (bio)physics.</li> <li>• Knowledge of English (level B2).</li> </ul> <p><b><u>Advantage:</u></b></p> <ul style="list-style-type: none"> <li>• Knowledge of in vitro methods</li> <li>• Knowledge of microscopy or other life-science analysis methods.</li> <li>• Knowledge of cell biology</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>Directorate</b></p> <p><b>Unit</b></p>	<p>Directorate F – Health, Consumers and Reference Materials</p> <p>F.3 – Chemical Safety and Alternative Methods Unit</p> <p>Further information: <a href="https://eurl-ecvam.jrc.ec.europa.eu/">https://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:JRC-ESRA@ec.europa.eu">JRC-ESRA@ec.europa.eu</a></p>

