



**2018-IPR-F-000-010664**

**Trainee on in vitro developmental  
neurotoxicity testing**

**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 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.

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 five-month traineeship position will support standardization and application of a protocol for recording electrical activity of neuronal culture derived from human induced pluripotent stem cells using microelectrode array (MEA).

Under the supervision of experienced scientists, the main task of the trainee will be to establish the most relevant conditions for neuronal differentiation on a MEA chip, resulting in a robust and reproducible measurements of electrical activity. This traineeship is entirely based on experimental, in vitro laboratory work.

	<p>For more information visit <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><u>Qualifications:</u></b></p> <p><b><u>Essential:</u></b></p> <ul style="list-style-type: none"> <li>• Master's degree in biology, pharmacology, or toxicology.</li> <li>• Good level of English (level B2).</li> <li>• Practical experience with <i>in vitro</i> models and analysis methods</li> <li>• Sound knowledge of cellular and molecular biology</li> </ul> <p><b><u>Advantage:</u></b></p> <ul style="list-style-type: none"> <li>• Experience of culturing neuronal cells</li> <li>• In vitro recording of neuronal electrical activity</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>
<b>Unit /Directorate</b>	<p>Directorate F – 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>
<b>Indicative duration</b>	5 months
<b>JRC Site</b>	Ispira
<b>Country</b>	Italy
<b><u>JRC contact details</u></b>	<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>