



2018-IPR-F-000-010664

Trainee on in vitro developmental neurotoxicity testing

<p>Position for:</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: 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>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).</p> <p>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>
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	<p>For more information visit https://ec.europa.eu/jrc/en/research-topic/alternatives-animal-testing-and-safety-assessment-chemicals and/or http://eurl-ecvam.jrc.ec.europa.eu</p> <p><u>Qualifications:</u></p> <p><u>Essential:</u></p> <ul style="list-style-type: none"> • Master's degree in biology, pharmacology, or toxicology. • Good level of English (level B2). • Practical experience with <i>in vitro</i> models and analysis methods • Sound knowledge of cellular and molecular biology <p><u>Advantage:</u></p> <ul style="list-style-type: none"> • Experience of culturing neuronal cells • In vitro recording of neuronal electrical activity <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>
Unit /Directorate	<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
JRC Site	Ispra
Country	Italy
<u>JRC contact details</u>	<p>For any technical problems with your application, please contact: HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</p>