



**2019-IPR-F-000-012368**

**Digital PCR**

<p><b>Position for:</b></p> <p>Trainee</p>	<p>As the science and knowledge service of the Commission, the mission of the 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 Food and Feed Compliance Unit (F.5), which is part of JRC's Directorate "Health, Consumers and Reference Materials", offers a position for a trainee to provide support in the development and validation of digital PCR methods for the quantification of GMO.</p> <p>The Unit is hosting the European Union Reference Laboratory for Genetically Modified Food and Feed and operates under a quality management system according to ISO/IEC 17025 and ISO/IEC 17043.</p> <p>We are looking for a trainee to develop and validate a new quantitative method based on droplet digital PCR. Together with an experienced team of JRC staff, the trainee will study the key performance characteristics of the method by conducting a single-laboratory validation study.</p> <p>By the end of the traineeship, the trainee will have obtained a better understanding of quantification of DNA targets using digital PCR techniques, metrological principles, execution of method validation studies and working in an accredited laboratory, as well as experience related to working with an international team committed to the support of EU policies.</p> <p><b><u>Qualifications:</u></b></p> <p><b><u>Essential:</u></b></p> <ul style="list-style-type: none"><li>• Graduate or undergraduate in the last 1-2 years of university education in the fields of molecular biology, biology or (bio)chemistry</li></ul>
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	<ul style="list-style-type: none"> <li>• Good knowledge of oral and written English (level B2)</li> <li>• Good command of MS Office (e.g., Word, Excel)</li> </ul> <p><b><u>Advantage:</u></b></p> <ul style="list-style-type: none"> <li>• Experience in validation study design and evaluation</li> <li>• Experience in statistics and statistical analysis software</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>Institute/Directorate Unit</b>	F - Health, Consumers and Reference Materials Food and Feed Compliance  Further information: <a href="http://gmo-crl.jrc.ec.europa.eu/">http://gmo-crl.jrc.ec.europa.eu/</a>
<b>Indicative duration</b>	5 months
<b>Preferred starting date</b>	As soon as possible
<b>JRC Site</b>	Ispra
<b>Country</b>	Italy
<b><u>JRC contact details</u></b>	<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>