



2018-GEE-F-000-010866

Trainee on validation of a centrifugal liquid sedimentation method for analysis of nanoparticles

<p>Position for: Trainee</p>	<p>As the science and knowledge service of the Commission, the mission of DG 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: https://ec.europa.eu/jrc/</p> <p><u>Short description of activity:</u></p> <p>The Reference Materials Unit (F.6), which is part of the JRC's Directorate F for Health, Consumers and Reference Materials, offers a position for a trainee to provide support in the development and validation of analytical methods for the characterisation of nanoparticles. The activity will be carried out in the context of the JRC's work programme 'Reference materials for nanotechnologies and industrial applications'. The Unit operates in a quality management system according to ISO Guide 17034 and ISO/IEC 17025.</p> <p>We are looking for a trainee to develop and validate a new method in our laboratory. The new measurement capability is required in the area of nanoparticle size analysis and is based on the physical principles of centrifugal liquid sedimentation (CLS) according to Stokes' law. Together with an experienced team of JRC staff, the trainee will study the robustness and key performance characteristics of the new analysis method by conducting an in-house validation study. By the end of the traineeship, the trainee will have obtained a better understanding of nanoparticle characterisation techniques, metrological principles, method validation studies and working in an accredited laboratory, as well as valuable experience related to working with an international team committed to the support of EU policies.</p> <p><u>Qualifications:</u></p> <p><u>Essential:</u></p> <ul style="list-style-type: none">• Graduate or undergraduate in the last 1-2 years of university education in the fields of materials science, physics or (bio)chemistry• Good knowledge of oral and written English (level B2)• Good command of MS Office (e.g., Word, Excel) <p><u>Advantage:</u></p> <ul style="list-style-type: none">• Experience in study design and evaluation• Experience in statistics and statistics analysis software
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	<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>
Directorate Unit	<p>Directorate F – Health, Consumers and Reference Materials Unit F.6 – Reference Materials</p> <p>Further information: https://crm.jrc.ec.europa.eu/</p>
Indicative duration	Maximum 5 months
JRC Site Country	Geel Belgium
Rules and eligibility	<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>
<u>JRC contact details</u>	<p>For any technical problems with your application, please contact:</p> <p>HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</p>