



2017-IPR-F-000-9127

**Nanomaterial detection in complex matrixes**

<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>Under the supervision of the advisor, he/she will undertake practical experimental studies specifically to detect and quantify engineered nanomaterials in consumer products such as food and cosmetics. The goal is to test and optimize chemical, physical and enzymatic sample treatment methods to efficiently extract nanomaterials from complex matrixes for subsequent classification according to the EU recommended definition of a nanomaterial. The trainee will have the opportunity to use and gain experience with a wide range of nanoparticles detection and sizing instruments and will be involved in all the experimental steps of the process.</p> <p><b><u>Qualifications:</u></b></p> <p><b><u>Essential:</u></b></p> <p>BS or MS Degree or studies in Chemistry, Materials Science or Food Science.</p> <p>Good Knowledge of spoken and written English (B2 level)</p> <p><b><u>Advantage:</u></b></p> <p>Knowledge and practical experience in analytical methods, material science and in particular nanomaterials.</p>
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	<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>	<p>F - Health, Consumers and Reference Materials  F2 – Consumer Products and Safety  HOT-NANO- Deliverable 22  Further information:  <a href="https://ec.europa.eu/jrc/en">https://ec.europa.eu/jrc/en</a>  <a href="https://ec.europa.eu/jrc/en/research-topic/nanotechnology">https://ec.europa.eu/jrc/en/research-topic/nanotechnology</a></p>
<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>	<p><b>For any technical problems with your application, please contact:</b></p> <p><a href="mailto:HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu">HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</a></p>