EUROPEAN COMMISSION
DIRECTORATE-GENERAL
Directorate-General Human Resources and Security
Unit AMC.8

2017-IPR-F-000-8384	**Characterisation of representative nanomaterials**

Position for: Trainee	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. 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 main activity will concern experimental work for the characterisation of the surface chemistry of nanomaterials and nanoparticles. The aim of the project is to optimize methods for sample preparation, measurement procedures and data treatment and analysis. X-ray Photoemission Spectroscopy (XPS) and Time of Flight Secondary Ion Mass Spectrometry (ToF-SIMS) will be the main techniques used. The trainee will be involved in all the experimental steps of the process with particular emphasis on sample preparation and data analysis. **Qualifications:** **Essential:** BS or MS Degree in Physics, Chemistry, Materials Science, Biotechnology. Good knowledge of spoken and written English (B2 level) **Advantage:** Knowledge of surface analysis techniques will be considered as advantage. Training will be provided in surface analysis of nanomaterials

	For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC: https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees
Institute/Directorate **Unit**	F- Health, Consumers and Reference Materials F2 – Consumer Products and Safety HOT-NANO- Deliverable 22 Further information: https://ec.europa.eu/jrc/en https://ec.europa.eu/jrc/en/research-topic/nanotechnology
Indicative duration **Preferred starting date**	5 months As soon as possible
JRC Site **Country**	Ispra Italy
JRC contact details	**For any technical problems with your application, please contact:** JRC-ESRA@ec.europa.eu