EUROPEAN COMMISSION
DIRECTORATE-GENERAL HUMAN RESOURCES AND SECURITY
Directorate HR.AMC –Account management Centre
HR.DDG. AMC 8

2018-IPR-F-000-9853	**Trainee on quantitative modelling of Adverse Outcome Pathways**

Position for:	**Short description of activity:**
Trainee	The Joint Research Centre (JRC) is the European Commission's in-house science service with its scientific and technical expertise divided into ten directorates; one of those is the Directorate F for Health, Consumers and Reference Materials. The Chemical Safety and Alternative Methods (F.3) including The European Union Reference Laboratory for alternatives to animal testing (EURL ECVAM), is part of the Directorate F for Health, Consumers and Reference Materials. 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. The five-month traineeship position will support the development of computational models as an alternative to animal testing in chemical safety assessment. Under the supervision of experienced scientists, the main task of the trainee will be to explore approaches to the development of quantitative adverse outcome pathways (AOPs) for human health effects, including the use of modelling approaches to quantify key event relationships. One or more case studies will be developed to provide concrete and practical guidance. The collaboration will be entirely desk-based and requires a basic command of computer-based modelling approaches, such as Quantitative Structure-Activity Relationship (QSAR) models. 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

	Qualifications: **Essential:** • Master's degree in physiology, pharmacy, pharmacology, or toxicology. • Good level of English (level B2). • Experience in developing AOPs • Basic command of QSAR modelling **Advantage:** • Experience of data and knowledge management • Knowledge of regulatory toxicology **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	Directorate F – F.3 – Chemical Safety and Alternative Methods Unit Further information: https://eurl-ecvam.jrc.ec.europa.eu/
Indicative duration **Preferred starting date**	5 months September 2018
JRC Site **Country**	Ispra Italy
JRC contact details	**For any technical problems with your application, please contact:** HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu