



EUROPEAN COMMISSION

DIRECTORATE-GENERAL
JOINT RESEARCH CENTRE
Directorate B - Resources
Recruitment and Training

2014-KRU-E5-FGIV-4113

**FG IV Scientific / Technical Project Officer -
AUTORAD project of the Exploratory Research
Program**

Position for:

**FG IV Scientific /
Technical support
officer**

The Institute for Transuranium Elements (ITU) in Karlsruhe works to address key science and technology challenges to maintain and improve safety level and competitiveness for nuclear technologies. The Nuclear Chemistry unit (E 0.5) is seeking a **contractual agent to work on the development of new miniaturized automated systems for radionuclide determination within the context of AUTORAD project of the Exploratory Research Program.**

AUTORAD project is addressed to the development of rapid, sensitive and selective sensors for the determination of targeted radionuclides for different applications using a flow-based approach.

To support the project activities, the JRC-ITU is looking for a dynamic and motivated candidate who will collaborate with an interdisciplinary team by working experimentally in the development of new automated radiochemical methods, as well as technically on designing the miniaturized prototype. The candidate's responsibilities will include performing laboratory-scale experiments, data collection and analysis, active participation in scientific conferences, timely publication of experimental results and collaborate with partner lines. The activity is to be executed in close collaboration with the University of Balearic Islands in Spain.

Qualifications:

Post doctorate researcher holding a PhD degree in a field relevant to the JRC's scientific activities.

Requirements:

- Technical expertise in one or more areas of nuclear chemistry, analytical chemistry, radiochemistry, environmental radiochemistry and nuclear measurements.
- Competence in the development of experimental equipment and experimental approaches including knowledge of analytical techniques.
- Capacity to achieve results under tight deadlines, good communication and sense of initiative.
- Excellent command of written and oral English is required.

Advantages:

- Experience of working in (shielded) nuclear facilities.

Institute Unit	<p>Institute for Transuranium Elements (ITU) Nuclear Chemistry Unit (E.5)</p> <p>Further information: http://itu.jrc.ec.europa.eu/ http://www.jrc.ec.europa.eu</p>
Indicative duration	12 months initial contract with possible renewals up to maximum 6 years
JRC Site Country	<p>Karlsruhe</p> <p>Germany</p>
Rules and eligibility	<p>Auxiliary contract staff: http://ec.europa.eu/dgs/jrc/index.cfm?id=3730</p> <p><i>Please note that due to the high number of applications received only shortlisted candidates will be contacted.</i></p>