



Open PostDoc position -

»Development of sensors for detection of persistent and mobile chemicals (PMCs) in environment«

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**Organisation:**

Jožef Stefan Institute – Department for Nanostructured Materials, Ljubljana, Slovenia

**Brief description of the activities to be performed:**

Persistent and mobile chemicals (PMCs) are now found in tens of thousands of everyday products as well as in all relevant media of our natural environment, and their severe negative impacts on human health and global ecology is only now starting to be understood. Activities of PostDoc will focus on in-depth research and development of highly-sensitive, selective, portable, and inexpensive sensors for the detection of PMCs (TRL 2-5). We aim to develop new types of inexpensive sensor platforms tested in laboratory environment using real samples. These sensor platforms will be customised to allow use at key detection points in the chemical mobility chain (from product use to indoor and outdoor environments, humans and ecosystems).

**Benefits:**

- We offer a good working environment, a highly stimulating environment with state-of-the-art infrastructure.
- Duration: Full-time, 1 year with the possibility of extension.
- Salary: a competitive salary commensurate with the qualifications and experience of the candidate and according to the cost of living in Ljubljana.

**Candidates should have the following qualifications:**

- PhD in nanotechnology, material science, chemistry, chemical engineering, physics or similar.
- Proven experience in electrochemistry.
- Proven experience in synthesis and characterization of catalytic and conductive materials.
- A motivated and independent person that is able to collaborate with different profiles and is prone to discussion.

**Languages:** English (fluent written and spoken level).

**Deadline:** Application should be received as soon as possible; candidates will be contacted on first-to-apply basis until a suitable candidate is found. The latest starting date is January 1, 2022.

**How to apply:**

Please send your CV via e-mail to the Scientific Responsible in Charge ([kristina.zagar@ijs.si](mailto:kristina.zagar@ijs.si)).

Department web site: <http://nano.ijs.si/>

Ljubljana, October 20, 2021