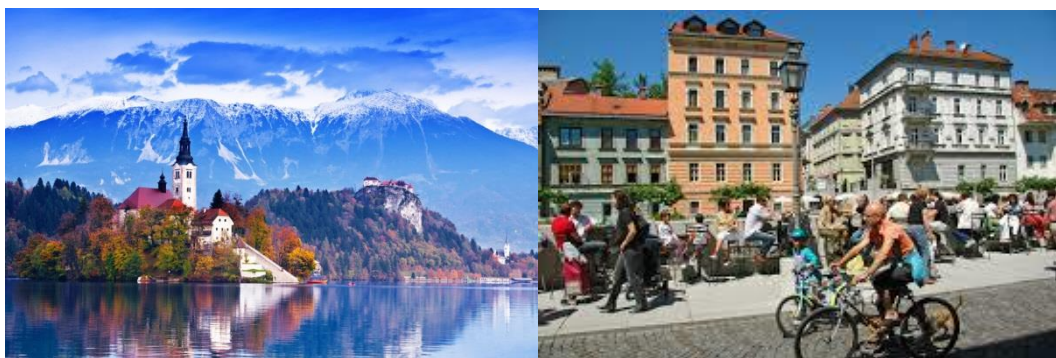


Slovenia is a small country at the Adriatic sea and at the sunny side of the Alps. Ljubljana is its capital and in the centre is positioned The National Institute of Chemistry, which employs over 250 researches, has applied for 35 patents in last 5 years and is running 15 EU founded projects.



Kemijski inštitut  
Ljubljana  
Slovenija

National  
Institute of Chemistry  
Slovenia

SI-1001 Ljubljana  
Hajdrihova 19, POBox 660  
Phone: +386 (0)1/476 02 00  
Fax: +386 (0)1/476 03 00  
<http://www.ki.si>

The National Institute of Chemistry Slovenia is seeking to develop a joint funding proposals with experienced, post PhD researchers, for submission under the Marie Skłodowska Curie Individual Fellowship ( MSCA IF). The applicants must, at the deadline of submission which is 14.9.2016, have a doctoral degree or have at least four years of full time equivalent research experience.

## Thematic areas:

**Synthetic biology – genome editing using CRISP, TALEs**

**Bionanostructures – protein origami**

**Cancer immunotherapy**

**Signalling in innate immunity**

*Supervisor: prof. dr. Roman Jerala*

**Heterogeneously catalyzed selective oxidative dehydrogenation (ODH) of propane to propylene using CO<sub>2</sub>**

*Supervisor: prof. dr. Albin Pintar*

**Catalytic Carbon Dioxide Activation and Conversion by Hydrogenation or Alkylation**

**Direct Catalytic Methane Activation and Conversion to Aromatics and Alkenes**

**Catalytic Cellulose, Hemicellulose and Lignin Conversion to Value-added Bio-based Chemicals**

**Electrocatalytic Carbon Dioxide Activation and Reduction, Electrolysis and Fuel Cells**

**Pharmaceutical Process Engineering and Design for Small Molecules and Biosimilars**

*Supervisor: prof. dr. Blaž Likozar*

**Possible topics for joint research are also in connection with keywords below:**

spectrally selective paint coatings, high solar absorptivity coatings, cool coatings, flame retardants, electrochromic devices, dye synthesized solar cells, thermochromics coatings, ionic liquids, anticorrosion coatings, pigments surface modification, hydrophobic surfaces, oleophobic surfaces, electrolytes, antifouling coatings, self-healing coatings

*Supervisor: prof. dr. Ivan Jerman*

**If you are interested in the above themes, please submit an Expression of interest ( CV and description of your research area) to mail:**

[barbara.tisler@ki.si](mailto:barbara.tisler@ki.si) or [projektna.pisarna@ki.si](mailto:projektna.pisarna@ki.si)

More information about the institute is available on [www.ki.si](http://www.ki.si)

**More infor about the call:**

MSCA IF is a proposal applying for the financial mechanisms of the European Commisison. The application must be developed jointly by the researcher and the supervisor. The cost covered for the period of working for MSCA IF project are around 4000,00 EUR living allowance ( brutto), 600,00 EUR mobility allowance and 500,00 EUR family allowance per month.