Impactive

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Innovative Mechanochemical Processes to synthesize ACTIVE pharmaceutical ingredients (IMPACTIVE)

Location	Salary	Deadline for applications
Cagliari, Italy	Gross salary: up to 27k€/year.	31/03/2023 - 17:00 (Europe/Rome)

Position summary

The Center for Colloid and Surface Science (CSGI) has an open position for a researcher, with experience in Synthetic Organic Chemistry and Mechanochemistry.

The fellow will have the possibility to work at word-class scientific level in a multidisciplinary and international team, on the EU HORIZON-HLTH-2021-IND-07 project titled: “Innovative Mechanochemical Processes to synthesize ACTIVE pharmaceutical ingredients (IMPACTIVE)”

Qualifications and candidate profile

CSGI is looking for a highly motivated young researcher with a Ph.D. degree in Chemistry and able to fulfil the following requirements:

- multi-year experience in organic synthesis;
- proven expertise in the use of common analytical methods to detect, identify, characterize and quantify chemical compounds such as, e.g., GC-MS, NMR, HPLC;
- ability to identify and implement the best separation methods to isolate a product from a reaction mixture;
- proven research track record, e.g., publications in international peer-reviewed scientific journals and technical reports, in the synthesis and characterization of materials;
- proven lab skills in the chemistry of organic functional groups;

Co-funded by the European Union

- robust expertise in the synthesis of most common heterocyclic scaffolds, e.g., pyridines, imidazoles, indoles;
- expertise in the development of green chemical processes
- experience in mechanochemistry (preferable, not mandatory);
- experience in transition metal catalysis (preferable, not mandatory).

Specific Requirements

The recruited person will:

- Actively participate in research, lab management and set-up of new experimental methodologies
- Perform the planned research activities, analyse data and write a monthly report
- Develop sustainable mechanochemical routes to value-added intermediates for the pharmaceutical industry
- Synthesize active pharmaceutical ingredients
- Design green mechanochemical synthetic strategies alternative to solution-based procedures
- Actively participate in biweekly research meetings with the industrial partner

Remuneration

Gross salary: up to EUR. 27.000,00 €/year.

Deadline

31/03/2023 - 17:00 (Europe/Rome)

How to apply

Send an e-mail to recruitment@csgi.unifi.it

Contact

To questions about the position, please contact porcheddu@unica.it

francesco.delogu@unica.it

Additional Information

Euraxess Offer: https://euraxess.ec.europa.eu/jobs/39417