



# Research Assistant/Associate – Postdoc

Location	Salary	Deadline for applications
Aachen, Germany	EG 13 TV-L	22 Mar 2024 - 23:59 (Europe/Berlin)

## Position summary

You will contribute to the implementation of the EU project "Innovative Mechanochemical Processes to synthesize ACTIVE green pharmaceutical ingredients" (IMPACTIVE), developing novel synthesis concepts for sustainable production of pharmaceutically relevant compounds. Your focus will be on devising scalable and eco-friendly methods for mechanochemical production of active ingredients or significant intermediates, aiming for demonstrable advantages over solution-based processes. Your role includes conducting independent studies to optimize syntheses, evaluating analytical data, and documenting research results for publication in scientific journals and conference presentations in English. Additionally, you will liaise independently with international partners, guide doctoral students in developing synthesis concepts, and assist in teaching duties, including supervising Bachelor's and Master's students during lab placements and seminar presentations. Moreover, you'll support the working group in routine duties.

## What We Offer

The successful candidate will be employed under a regular employment contract.

The position is to be filled at the earliest possible date and offered for a fixed term (1 year).

The fixed-term employment is possible as it constitutes one of the fixed-term options of the *Wissenschaftszeitvertragsgesetz* (German Act on Fixed-term Scientific Contracts).

This is a part-time position (75 % of the standard weekly hours for full-time employees).





**E-mail**

info@mechanochemistry.eu



**Website**

www.mechanochemistry.eu

The salary is based on the German public service salary scale (TV-L).

The position corresponds to a pay grade of EG 13 TV-L.

## Qualifications and candidate profile

You hold a university degree (Master's degree or equivalent) and a PhD in natural sciences or engineering with a focus on organic chemistry. You're driven to contribute to our scientific endeavors, proficient in contemporary methods of organic compound synthesis, and ideally possess prior experience with ball mills in organic chemical reactions. Moreover, you're adept at conducting, analyzing, and documenting research, capable of handling reactive or toxic chemicals with utmost safety considerations. Proficiency in standard chemical-instrumental analytics (NMR, MS, IR, GCMS, HPLC, SFC) is expected, along with the ability to independently analyze measurement data. Teaching experience, adeptness in database searches (Reaxys, SciFinder, DEPATISnet), and proficiency in ChemDraw and Microsoft Office are essential. Excellent written and verbal skills English, coupled with strong social, communication, and teamwork abilities, complete your profile.

## How to apply

[daniela.heeren@oc.rwth-aachen.de](mailto:daniela.heeren@oc.rwth-aachen.de)

## More information

<https://euraxess.ec.europa.eu/jobs/200939>



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