

The Polymer Competence Center Leoben GmbH (PCCL) is the leading Austrian center for cooperative research in the field of polymer technology and polymer science. In collaboration with companies in the polymer industry and numerous academic institutions, our around 100 highly-qualified employees jointly work in R&D projects on innovative polymer solutions for a wide range of applications, including the whole rubber composite process chain from the materials design, over processing to material characterization. We currently aim to strengthen our team and offer a

Researcher (f/m/x) / PhD position:

„Synthesis and characterization of functional dynamic polymer networks for industrial applications” (JOB ID 20231201)

Tasks

- Establishing new synthesis routes for stimuli-responsive monomers and catalysts for dynamic polymer networks
- Preparation of dynamic polymer networks following thermal and/or photochemical curing routes
- Characterization of physico-chemical, mechanical and thermal properties of dynamic polymer networks
- Study of stimuli-triggered healing, repair, recycling and reshaping
- Optimization of material properties for defined industrial use cases
- Close cooperation with international project partners from industry and academia and regular presentation of results
- Communication of research results to the scientific community (e.g. papers in peer-reviewed journals, oral/poster presentations at national and international conferences)

Required skills

- Above average master’s degree in organic chemistry, polymer chemistry, or similar
- Profound knowledge in organic chemistry
- Structured / independent way of working
- Knowledge in photochemistry is advantageous
- Personal initiative, skills for self-organization and teamwork, effective communication skills with the ability to communicate with partner companies and research organizations
- Language skills in English / basic skills in German are advantageous

We offer

- Collaboration in a highly-motivated multi-disciplinary team with excellent contacts to industry as well as to national and international research organizations
- Gross income € 3.579,- (for a classification as a PhD candidate; full-time employment, 14 times a year)
- Flexible working conditions
- Possibility to perform a PhD thesis
- Start of employment – January/February 2024

Contact

Please send your application (motivation letter, CV) along with copies of your certificates and diplomas to jobs@pccl.at, indicating the Job-ID 20231201. If you have any technical questions regarding the job advertisement, please contact sandra.schloegl@pccl.at.