

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

BACHELOR-/MASTER THESIS in the field of

„Synthesis of bio-based monomers for DLP-3D printing“

(JOB ID 20230105)

Tasks

- Literature review about photocurable and bio-based monomers
- Synthesis of bio-based monomers
- Characterization of the synthesized products
- *Development of photo-curable resins (Master thesis)*
- *Full characterization of the developed resins (Master thesis)*
- *DLP 3D-printing (Master thesis)*

Required skills

- Good knowledge in organic synthesis
- Knowledge of polymer chemistry/photochemistry is an advantage
- Experience in working in a lab environment
- Structured and independent way of working
- Personal initiative, good organizational skills and ability to work in a multi-disciplinary team
- Good communication 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
- Location: Graz
- Academic supervisor: Prof. Gregor Trimmel
- Paid thesis (salary depends on type of thesis)
- Earliest start of employment – 01.02.2023

Contact

Please send your application (motivation letter, CV) along with copies of your certificates and diplomas to jobs@pccl.at or directly to elisabeth.rossegger@pccl.at, indicating the Job-ID **20230105**. If you have further questions please contact DI Dr Elisabeth Rossegger or Prof. Gregor Trimmel.