

## Student assistant (HiWi) for semi-dry electrode production

Conventional electrode production for lithium-ion batteries (LIB) is based on an extrusion process with a low solids content and subsequent drying - an energy and cost-intensive process step. The granulate-based, semi-dry production approach offers an efficient alternative: it significantly reduces the need for drying, lowers production costs and increases process flexibility thanks to the high storage stability of the granulates. In the GranuGoIn project, this innovative approach is being further developed and transferred to new material systems.

## Your tasks as a student assistant include:

- Production of semi-dry granulates
- Coating the granulates using multi-roll calender
- Cell construction, from coin to pouch cells (half and full cells)
- Carrying out cell tests to evaluate cell performance
- Characterization of granulates, electrodes and cells
- Support with data evaluation

We are looking for a motivated student who enjoys working in a scientific environment, likes to work experimentally and also contributes to the success of the project with their own ideas. Your working hours can range from **20 to 40 hours per month** - depending on the agreement. The **starting date can be arranged flexibly**.



## We offer:

- An open and friendly team
- Flexible working hours
- Industry-related applications and partners
- Insight into scientific work
- Opportunity to write a student thesis (Bachelor/Master)

## **Contact:**

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