

Join Breathe Assist

Thursday, 14.08.2025

Dear Students,

We are currently seeking **student assistants** to join our team and actively support our work.

BreatheAssist is an innovative **EXIST research project** at **Friedrich-Alexander-Universität Erlangen–Nürnberg** – combining academic excellence with the dynamic flair of a start-up. Our mission: to develop a novel intensive care ventilator that enables patients to return to independent breathing at the earliest possible stage, while avoiding common drawbacks of conventional devices – such as patient–ventilator asynchrony, high breathing effort, and device-induced lung injury. BreatheAssist supports lung-protective spontaneous breathing and facilitates early extubation.

Possible areas of responsibility – depending on your interests and strengths:

- **Clinical & biological evaluations** – Conduct literature reviews on clinical studies and biological materials used in intensive care ventilators
- **Market & regulatory analyses** – Research international regulatory requirements and develop a market approval strategy
- **Regulatory standards & compliance** – Identify and evaluate relevant standards (ISO, EN) to ensure conformity
- **Usability & product optimisation** – Perform comparative analyses, define labelling requirements, and develop packaging concepts

Required Qualifications:

- Enrolment at FAU in an advanced Bachelor's or Master's semester, preferably in Medical Engineering, Biomedical Engineering, Medical Physics, or a related field
- Excellent German and English skills (spoken and written)
- Strong team spirit, reliability, high level of self-initiative, and a strong sense of responsibility
- Open-minded and motivated personality

What we offer: A young, dynamic team and the opportunity to gain insights into a variety of exciting areas within our start-up. Expect a high degree of flexibility, independent work, and the chance to quickly and purposefully develop your skills.

Remuneration: According to FAU's rates for part-time student assistants, with a desired weekly workload of **15–20 hours**.

Please send a short, informal application including your CV and your main areas of interest by **31 August 2025** to: navid.bonakdar@fau.de.