



Internship Experimental Validation - (Bio)Medical Technology

Location: Amsterdam, Netherlands

Duration: 4 to 12 months (Flexible start date)

Commitment: Full-time

Are you passionate about collecting real-world breath samples and convert them into usable, personalized insights in health? Are you ready to join a team that's reimagining sensing & detection across therapeutic areas? Our highly skilled team solves the toughest sensing challenges in health and industry. It's our mission to enhance quality of life in the broadest sense!

About RespiQ

RespiQ is an innovative deep tech startup in Amsterdam developing a new gas sensing device that is able to detect trace molecules in complex gases, e.g. detect biomarkers in breath or trace pesticides in the environment. Our diverse team blends data science, experimental science, engineering and business development in a fast moving, collaborative environment. We are not just a company. We value fundamental curiosity and everyday we learn something new!

About the internship

We are looking for a creative, hands-on, and pro-active Experimental Intern to support the preparation and execution of breath sample collection and analysis using our innovative technology. In this assignment you will have a high degree of freedom to put your ideas, knowledge and experience into practice. You will conceive an optimal experimental plan and workflow that enables the collection, analysis and interpretation of a specific set of samples to investigate a specific biomarker or molecule in breath. You excel in interacting with people, accurate practical work and can work with analyzing data. You make sure we do the best we can by providing feedback where we can improve our processes.

What you will do

- Research available literature on experimental validation of breath biomarkers;
- Together with the team define our validation roadmap and experimental plan;
- Execute experimental plan by taking breath samples from volunteers/patients;
- Creating various control / spiked gas mixtures in the lab and analyze;
- Analyze results using basic statistical analysis tools and report to team;
- Contribute to the improvement of complete experimental workflow, from patient to data;
- Contribute to ongoing user testing and user experience research, including field research trips to our end users.

You have

- Enrollment in medical technology, medicine or biology related educational programs;
- Eager to work in a fast-paced start-up environment;
- Ability to clearly and effectively communicate and collaborate with technicians and volunteers/patients;
- Experience with lab or patient-centered sample collection & analysis;
- Familiarity with a lab environment;
- Good knowledge of basic biochemistry principles;
- Good organizational skills;

What we offer

- An opportunity to work in a fast-paced innovative start-up company;
- A diverse, collaborative, international, and multidisciplinary team environment;
- Training and supervision from experienced scientists and entrepreneurs;
- Opportunities to grow your professional communication and research skills;
- Location in Amsterdam on the VU campus;
- We can offer an internship compensation.

Erasmus+ applicants

If you plan to apply for ERASMUS+ internship funding, please consult with your university's Erasmus+ coordinator. Start dates and duration are flexible to accommodate your academic calendar.

How to apply

Please send your CV, portfolio and a short introduction letter, including your desired start date and duration to info@respiq.com. We look forward to meet you!