Scientist (Breath Research)

Join Diagnose Early's world-class R&D team as we work to reshape the future of health diagnostics. We are on a mission to extend and enhance life by developing non-invasive biometric testing, driven by groundbreaking AI technology. By joining us, you'll be at the forefront of healthcare technology, innovation and research. Your work will make a tangible difference to people's lives as we follow our journey from radical vision to transformative reality.

What the role involves

You will be working directly with our Chief Science Officer, helping to drive forward our efforts to identify and quantify compounds in breath and other biological materials. Key aspects of the role will include:

- Develop, optimize and validate analytical methods using LC-MS, SESI-HRMS and other modes of sample delivery to identify and quantify metabolic compounds and exogenous compounds
- Design and implement bench-scale experiments with multiple variables for small molecule compounds
- Collaborate cross-functionally with others in the R&D team and wider company

What we are looking for

We are looking for a skilled researcher to join our growing team of scientists and engineers. The ideal candidate will display the following attributes:

- Able to communicate clearly with people who have little or no knowledge of mass spectrometry and metabolomics
- Able to maintain an excellent laboratory notebook
- Able and willing to mentor junior team members
- Prepared to voice ideas, discuss concerns, and offer solutions when engaging with others
- Able to cope with the rapidly changing priorities that come with working in a startup environment
- Being able to work in a startup environment which comes with shifting priorities.

Required skills and experience

We want candidates with the following experience:

Essential

- Ph.D. degree in Analytical Chemistry, Chemistry, Biochemistry or related fields
- Experience using the Thermo Scientific Q-exactive platform, including data analysis using both Thermo software and open-source software
- Experience with Fossilion Tech SESI devices
- Proficiency in untargeted and targeted metabolomics and lipidomics data processing, statistical analysis and data interpretation
- Ability to run LC-MS experiments without supervision
- Knowledge of instrumentation hardware and software
- Willing to relocate to San Francisco Bay Area

Desirable

- 5+ years of laboratory (academic and/or industrial) experience developing analytical methods for small molecule analysis (LC, MS, GC)
- Proficiency using Python based analysis tools is desirable
- Strong problem-solving skills and proven creativity
- Strong oral and written communication skills
- Proven ability to work effectively within a diverse and dynamic team
- Start-up company experience is a plus

What we offer

The successful candidate will get

- A good salary (range $120k-160k)
- A competitive compensation package including medical/dental care, 401K, paid time off, holidays, and share options.
- A generous relocation package where relevant.
- The chance to work in a cutting edge lab in the heart of San Francisco's Bay Area

We also offer assistance with visa applications and Physical Requirements

Equal opportunities

Diagnose Early is an equal opportunity employer. This role is FLSA exempt.

Note

This role involves the following physical activities: standing, sitting, walking, climbing stairs, light lifting, computer operation, operation of analytical equipment.