



## Biotechnology Engineer – Bioextrax AB

### About Bioextrax

Bioextrax is an innovation-based and innovation-driven start-up. We are a spin-off from the Department of Biotechnology at Lund University. We apply our biobased platform technology for hydrolysis of protein rich materials – a biorefinery concept. This technology has many applications that can contribute to a biobased and circular economy. In particular, the technology is used for downstream processing of polyhydroxyalkanoates (PHAs), a biobased and biodegradable polyester, produced from various organic waste streams. It also converts poultry feathers into valuable materials to be used in feed, textile and cosmetic applications.

While we are bringing our proven technologies to the market, we are constantly exploring new ways our platform can contribute to a more sustainable society. Due to increased market interest in our technology, and a successful capitalization, we are now expanding the team. **Do you want to join us?**

### About the position

We are looking for a **Biotechnology Engineer** to join our team in Lund, Sweden. You will be working closely with our Chief Technology Officer in a creative role where your tasks will range from design and execution of lab/pilot experiments, to exploration of new applications of our technology.

#### *Job responsibilities:*

- Independent and in-team design and operation of lab and pilot experiments
- Presentation and interpretation of results and projects outcomes
- Support Bioextrax management team in national and international communication, pitching, and fund applications.

The position is full-time. For the right candidate, however, the working hours can be flexible. Salary depends on experience.

### Who are you?

We are looking for an ambitious individual with an MSc or BSc degree in Chemical engineering, Biotechnology, Microbiology or a related field.

No prior industry experience is necessary. We are more interested in the candidate's willingness and interest in joining a quickly expanding team on our journey from small start-up to a global leader within the biobased economy.

#### *Required lab experience:*

- Cultivation and characterization of pure microbial strains in lab scale bioreactors
- Optimization of microbial cultivation media for high-cell density growth and high product yield
- Downstream processing of microbial metabolites
- Characterization of intracellular and exocellular microbial products



- Online/Offline monitoring of microbial growth and products (spectroscopy, electrophoresis and chromatography)

*Desirable experience:*

- Pilot-scale fermentation
- Biomass pre-treatments
- Bioprocess cost estimation
- Statistical optimization of media for microbial cultivations
- Cell-free hydrolase reactions (eg., protease, esterase, amylase, lipase, or cellulase)

**Does this sound interesting?**

Please send your CV and a few sentences about yourself to [mhai@bioextrax.com](mailto:mhai@bioextrax.com) (no cover letter necessary). We are accepting applications and interviewing candidates on a rolling basis, and we will fill the position as soon as we have found the right candidate.

Please get in touch with Mohammad HA Ibrahim, Bioextrax' CTO, in case you have any questions:

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