

planetary

Company: Planetary SA

Role: *Mycelium Fermentation Scientist*

Location: Fribourg, Switzerland

Start date: May 2022

Terms: 100% time commitment

Salary: Competitive compensation and participation in an attractive employee stock option plan

The Company:

planetary is SCALING THE NEW PROTEIN REVOLUTION. We are a venture backed food-tech company with 12 FTE across 3 locations. By building industrial-scale bioprocessing capacity and IP globally we are enabling a sustainable shift in the food system from livestock to non-animal proteins. To support the further development of our scientific expertise, planetary is searching for an experienced *mycelium fermentation scientist*.

The Position:

- Designs and executes experiments on mycelial biomass production processes to maximize key metrics such as yield, productivity, robustness, and scalability
- Develop and optimize fermentation media, feeding regimes and robust, economical, and scalable fermentation processes
- Design suitable control systems (PAT) for monitoring and control of the process
- Produce bench-scale quantities of microbial formulations for use in prototyping trials and transfer processes to pilot and production levels
- Works in close collaboration with the CSO and other upstream groups to assist with strategic initiatives and platform development
- Search, identify, demonstrate, and implement new processes/ technologies/instruments to optimize and automate fermentation workflows
- Document all trials & conducted analyses in a well organized electronic lab notebook following GDP concepts
- Communicate with internal and external stakeholders through PM platform, meetings and written emails, reports, and presentations
- Mentor and train junior team members

Qualifications and Experience:

- BSc with 5+ years, MSc with 2+ years or PhD with experience in biochemical engineering, biochemistry, microbiology, or a related field, or a comparable combination of experience and training
- Prior experience in the development and implementation of robust microbial scale-up processes in liquid fermentation is required (experience with airlift and STR bioreactors a bonus)
- Knowledgeable in systems and best practices for industrial fermentation, sterility assurance, biomass processing equipment, and process automation
- Flexible working hours with evening and/or weekend work as required by practical work
- *Preferred:* Prior fungal fermentation experience for scale-up

Contact: Please email your CV/ cover letter to: HR@planetarygroup.ch

Planetary is an equal opportunity employer actively recruiting for diversity. Through hiring, we aim to close the gender gap, create opinion plurality, fight age discrimination, foster cultural diversity and promote freedom of self-expression.