



PROCESS ENGINEER DSP – REINACH, BASEL AREA (SWITZERLAND)

(Job Id EV1900-00)

Evolve... bringing sustainably sourced, next-generation health, wellness, and nutrition ingredients to the world.

Our lead ingredients are resveratrol for healthy aging products, a great-tasting zero-calorie stevia sweetener to help food and beverage producers replace sugar, and a novel prevention approach to help protect people and pets against the biting pests that transmit diseases like Lyme disease and Zika virus.

More information on our approach to work life can be found on our website:

<http://www.evolve.com/about-evolve/>.

Job Description:

As Process Engineer, you will be a key member of our Process Team, responsible for downstream process development and commercial scale up of our fermentation-based processes. You will be involved in both, lab and pilot plant processing trials and testing, optimization of key process operating parameters from the lab to pilot plant scale, and process transfer to manufacturing facilities.

The successful candidate will have strong technical knowledge and hands-on experience in downstream processing of fermentation broth and biomass. The responsibilities will include the process development, troubleshooting and improvement of downstream processes to improve yields and reduce manufacturing costs. Experience in the areas of crystallization, drying, ion exchange chromatography, filtration, centrifugal separations, liquid/liquid extraction, evaporation and distillation are especially valued.

You will take a leading role in day to day troubleshooting as well as longer term process improvement projects.

Specific Responsibilities:

- Perform downstream process development and purification/separation techniques at benchtop-scale
- Optimizes processes for improved operability, cost reduction and downstream process improvement
- Support the transfer and scale up of commercial manufacturing processes to CMOs
- Developing mass, utility and energy balances and defining utility consumption and generation requirements
- Leading the technical development of process narratives, block flow diagrams (BFDs), process flow diagrams (PFDs) and P&IDs
- Assist in the development of manufacturing documentation such as process descriptions, batch records and SOPs
- Scale benchtop-scale downstream processes to pilot-scale and industrial-scale
- Develop an overall process understanding and provide suggestions/feedback to upstream process team
- Provide technical support and troubleshooting assistance for commercial scale operations

Ideal Candidate Possesses:

- M.S. in Chemical Engineering, Biochemistry or related disciplines, with a minimum of 4+ years of working experience in an industrial setting, ideally including interaction with industrial/commercial partners
- Hands-on experience with industrial scale bioprocessing recovery equipment
- Demonstrated capability to participate in multidisciplinary teams
- Experience in successful execution and management of process technical transfer

- Experienced in downstream/purification process development and scale up through process validation and technology transfer
- Thorough knowledge of ion exchange chromatography as well as membrane filtration applications for downstream processing
- Hands-on experience with common large scale DSP equipment (centrifugation, chromatography and filtration skids)
- Good understanding of microbial fermentation processes would be a plus
- Hands-on experience and understanding of sampling and analytical chemistry (HPLC and GC) would be a plus
- Good understanding of principles of organic synthesis and catalysis is a plus
- Excellent written and oral communication skills
- Very good command of English
- Ability to travel (CMO support) up to 20%

As a person, you are resourceful, professional, and skilled in the art of teamwork and clear/concise communication. You are conscientious, considerate, and believe in innovation that benefits consumers, partners, and the planet. You want to play a role in the commercial success of our novel products. You are a problem solver with good interpersonal and English communication skills.

Location:

Reinach (BL), Switzerland

To apply submit your application online at <http://www.evolva.com/join-us/>.

Please provide your CV and cover letter in English.

Applications received from recruiters and other consultants will only be accepted and evaluated if upon the time of submission the recruiter/consultant has entered into a specific agreement with Evolva concerning such submissions.