

## Process Engineer Fermentation

Start Date: at once

Section: BU Health & Nutrition

Site: Evonik Fermas sro

### Detailed job description

- The position will be within the technology group of our Slovakian production site. At this site we are producing a steadily increasing number of bio-chemicals and seek for technological support. According to qualification and interest the Process Engineer can be developed towards responsibility for the fermentation-processes, down-stream processes or the fermentation lab.
- According to this functions the Process Engineer will be responsible for
  - all aspects of process and technology transfer or implementation
  - proper exchange of information with R&D ( internal/external ) or customers
  - definition of technology
  - development of media and process conditions for different strains
  - proper communication of technological questions within production site
  - trouble shooting in case of technological problems
  - setting of goals/technology targets,
  - budgeting, management of human resources
  - leadership of interdisciplinary project teams
  - effective communication despite high number of interfaces and multi-national team members
  - analysis of lab or production processes and documentation/distribution of these results
  - planning of lab or production trials, evaluation and documentation/distribution of these results
- This position supports other aspects of technology introduction and maintaining as creation of production plans, discussion of technical changes, coordination of logistic support etc..
- The Project Engineer reports to the Technology Group Leader.
- Implementation and launch of industrial fermentation processes for production of amino acids and other products with applications in Health& Nutrition markets. Scale-up of fermentation process from laboratory to production scale taking into account physiological constraints of the production organism as well as constraints of the downstream unit operations.
- Transfer of fermentation processes with improved strains, media, process conditions into production, including troubleshooting.
- Take over of fermentation processes from Evonik internal or external partners for the purpose of further optimization and commercialization.
- Close cooperation with R&D microbial strain development groups and the analytical group.
- Screening of scientific literature in the field.

### Qualifications of candidate

- Sound Chemical Engineering, Biochemical Engineering, Technical Microbiology or Biotechnology skills, working experience in fermentation based production site (on project basis or permanent). PhD degree will be advantageous, but is not a precondition.
- Experience in the development of fermentation process will be very helpful, but is only required for a prospective lab responsible. It is expected that the individual will undergo an app. 1 year in-house base training in our European lab fermentation R&D site for process development and physiology as part of a long term development program to fulfill the expectations of the position.

- Excellent problem solving, technical and computer skills
- Excellent leadership skills and experience with leading project teams.
- Excellent team player, ability to work effectively in a multi-national, interdisciplinary team
- Strong orientation towards financial and technical results and fast implementation of innovation into industrial practice
- Possibility of an international assignment should be considered as a later career development step.