

Motivation and Goals of this Position

We are looking for a motivated PhD student for innovative projects combining fermentation technology, modeling and real-time control! You will develop new concepts for monitoring with hard and soft sensors as well as hybrid models. You will put the methods in a real-time context and demonstrate the usefulness for bioprocess control. Thereby, we target recombinant mammalian and microbial processes equally.

Opportunities

We offer a highly interesting, diversified position comprising analytics, bioprocess technology and modelling tools in tight cooperation with industrial partners.

Requirements

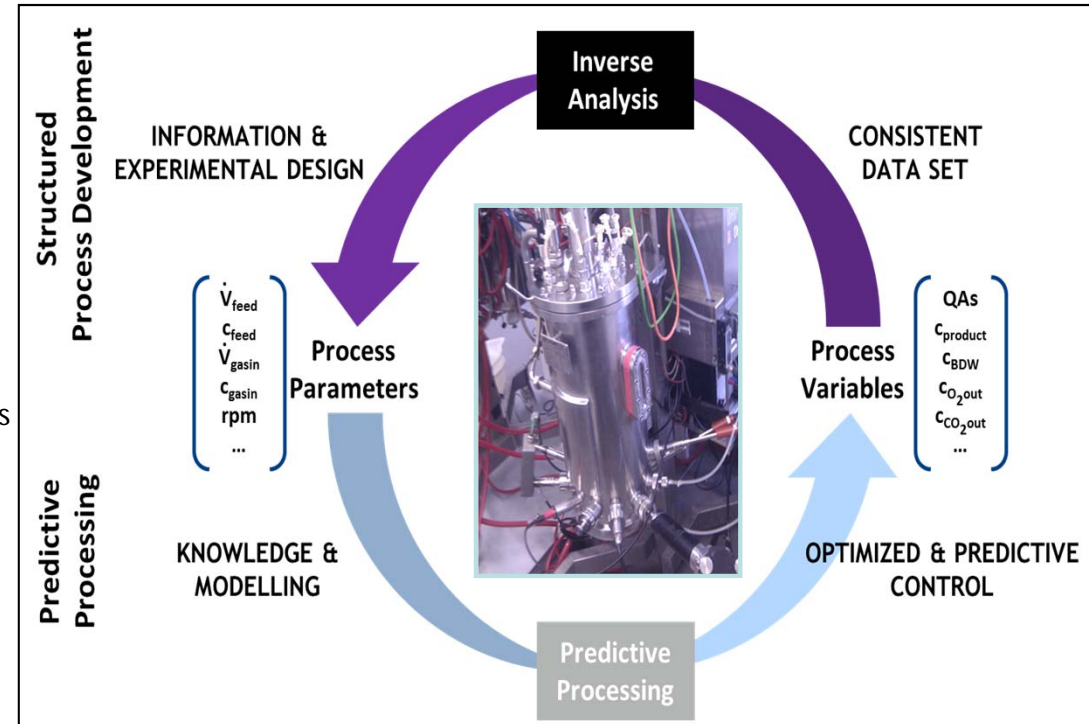
Master in Bioprocess Technology, Biotechnology, Pharmaceuticals, Chemical Engineering, applied Mathematics or similar. You should have:

- Experience in Fermentation technology
- Sensitivity for data analysis and statistical assessment of large data sets
- Interest and affinity in linking bioprocesses and mathematical algorithms
- Background in statistical and/or mechanistic modelling

A superior command of English is required. Furthermore, you should be accustomed to networked and critical analytical thinking, scientifically interested and able to work in a team respecting tight project timelines.

The monthly minimum wage is currently € 1'997,- (14x per year), before tax at a 30h/week employment. Applicants have no claim for reimbursement of travel costs arising from the recording process. The university aims to increase the proportion of women especially in scientific personnel and encourages qualified women to apply.

This PhD position starts on December 1st, 2015 and is scheduled for 3 years.



Please contact:

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