



1st International Training Course - Applications of microbioreactors (MBR) in bioprocess development

September 24 - 28, 2018, Center of Pharmaceutical Engineering, TU Braunschweig, Germany

General Information

The participants will learn about the main aspects of microbioprocess engineering and microfabrication technology and how this subjects enable microbioreactor (MBR) systems that allow automated, highly parallelized operation, flexible process control, good scalability and the generation of reliable, reproducible and experimental data in real time over a long period of time.

The *EUROMBR International Training Course - Application of microbioreactor applications in bioprocess development* is a 5-day course including lecture program and laboratory hands-on.

Topics:

- Microfabrication
- Microfluidics, transport phenoma, fluid flow
- Sensors and inline-analytics
- Enzyme immobilisation
- Biocatalysis
- Cultivation
- Modeling and design of microfluidic processes

The participants will also get the opportunity to present their work in a poster session and discuss this intensively with the leading scientists in this area.

Organisation:

Prof. Dr. habil. Rainer Krull
email: r.krull@tu-braunschweig.de
Assoc. Prof. Dr. Torsten Mayr (TU Graz)

Venue:

Center of Pharmaceutical Engineering (PVZ)
Franz-Liszt-Str. 35a, 38106 Braunschweig, Germany

The **EUROMBR International Training Course** originates from in the Marie Curie Initial Training Network **EUROMBR** (www.euombr.nu) anchored in the FP7 of the European Union. Within this network application-oriented professionals from nine countries have been working together for the education, development and application of the explorative MBR technology to sustain the future progress of bio-based processes.

The EUROMBR consortium would like to make its expertise accessible to all prospective scientists who want to gain a deeper understanding of MBR technology.

Tutorial Speakers:

Janina Bahnemann (Leibniz Univ. Hannover)
Juan Bolivar (TU Graz)
Andreas Dietzel (TU Braunschweig)
Jorge Fernandez-Sanchez (NanoMyP®, Granada)
Ulrich Krühne (DTU)
Rainer Krull (TU Braunschweig)
Torsten Mayr (TU Graz)
Gerardo Perozziello (Univ. M. Graecia Catanzaro)
Igor Plazl (Univ. of Ljubljana)
Adama Sesay (Univ. of Oulu)
Nicolas Szita (University College London)
Martina Viefhues (Univ. Bielefeld)
Polona Žnidaršič-Plazl (Univ. of Ljubljana)

Registration fee:

The registration covers admission to the course, abstract book, welcome reception, coffee breaks, social event, and accomodation (five nights) in shared rooms including full board.

Academia: 550 €
Industry: 450 € (without accomodation)

Register online:
www.euombr.nu