



WORKING GROUP ON BIOREACTOR PERFORMANCE
of the
European Society of Biochemical Engineering Science (ESBES)

BIOPROCESS ENGINEERING COURSE

Principal Doctoral / Post Doctoral Course
Bol, Island of Brac, Croatia

Blue Sun Hotels & Resorts

16. – 22. September 2016

<http://www.brac-pec2016.com/>

The 2016 Brac Bioprocess Engineering Course will again be held on the on the Island of Brac, Croatia in the Adriatic Sea. The last, held in 2014, was the 25th anniversary of this long-running, highly successful series of courses and the next one will take place from 16th to 22nd September 2016 in Bol, the most beautiful place on the Island and World famous surfing place.

It is organised under the auspices of Working Group on Bioreactor Performance of European Society of Biochemical Engineering Sciences (ESBES), in collaboration with other Working Groups (Working Group on Modelling, Monitoring, Measurement & Control and Working Group on Downstream Processing and Recovery of Bioproducts). All of the lectures will be given by internationally distinguished university teachers or by leading experts from multinational companies.

This updated course covers the full spectrum of bioprocess engineering, from genetic concepts for micro-organisms used to produce pharmaceutical and other products via microbial physiology, bio reaction kinetics, bioreactor design and scale-up. The organisms considered range from simple bacteria to highly specialised animal cell cultures, recombinant organisms and stem cells. There is also a strong coverage of measurement, control and optimisation and how they interact with each other and with the specific bioreaction of interest. Finally, there is a bro-brush coverage of downstream processing.

The lectures are supplemented by computer-based exercises, discussions and a Design Case Study. Participants are also encouraged to bring posters of their work with selected candidates being invited to make short oral presentations (of approximately 5 minutes duration), at a ‘Speakers’ Corner’.

Finally, there is a rich social programme, which ensures that many opportunities to discuss the course with the lecturers.

The course is directed specifically at Ph.D. students and experienced bioprocess engineers and biotechnologists from research institutes, universities and industry. Participants are expected to have a background in chemical/biochemical engineering, biotechnology, a biological science or a related discipline. The lecturers are all acknowledged specialists in their fields, so that the course also provides a forum for highlighting recent research in relevant areas.

**European Bologna Studies System recognizes 5 Credits
to the Certificates of BEC**

More information

<http://www.brac-bec2016.com/>

LECTURERS

Prof. Dr. Marin Berovic, University of Ljubljana, Slovenia
Prof. Dr. Jochen Büchs, Aachen University, Germany
Prof. Dr. Chris Hewitt, Aston University, UK
Prof. Dr. Jakob Huusom, Technical University of Denmark
Dr Marco Jenzsch, Roche Pharma Biotech, Penzberg, Germany
Prof. Dr. Sten Bay Jörgensen, Technical University of Denmark
Prof. Dr. Joseph Lengeler, Universität Osnabrück, Germany
Prof. Dr. Andreas Lübbert, M.Luther-University Halle-Wittenberg, Germany
Prof. Dr. David Mitchell, Universidade Federal do Parana, Brasil
Prof. Dr. Alvin Nienow, University of Birmingham, UK
Prof. Dr. Henk Noorman, DSM Biotechnology Centre, The Netherlands
Prof. Dr. Matthias Reuss, Stuttgart University, Germany
Prof. Dr. Bernhard Sonnleitner, Zurich University of Applied Sciences, Switzerland
Dr Stuart Stocks, Novozymes, Denmark
Prof. Dr. John Villadsen, Technical University of Denmark
Prof. Dr. Luuk A.M van der Wielen, TU Delft, The Netherlands
Prof. Dr. John Woodley, Technical University of Denmark
Prof. Dr. Vesna Zechner-Krpan, University of Zagreb, Croatia

**There are MANY Good Reasons for Your Participation, Therefore,
Come and Join us in 2016 !**