



# BIOPROCESS ENGINEERING COURSE 2018

## Principal Doctoral / Post Doctoral Course

23<sup>rd</sup> - 29<sup>th</sup> September 2018 / Bol, Island of Brac, Croatia



Blue Sun Hotels & Resorts  
[www.brac-bec2018.com](http://www.brac-bec2018.com)

## WORKING GROUP ON BIOREACTOR PERFORMANCE

of the European Society of Biochemical Engineering Sciences (ESBES)



The 2018 Brac Bioprocess Engineering Course will be held on the Island of Brac, Croatia in the Adriatic Sea. The last, held in 2016, was the 26<sup>th</sup> anniversary of this long-running, highly successful series of courses and the next one will take place from 23<sup>rd</sup> to 29<sup>th</sup> September 2018 in Bol, the most beautiful place on Brac and world famous for windsurfing, kiteboarding and diving.

It is organised under the auspices of Working Group on Bioreactor Performance of European Society of Biochemical Engineering Sciences (ESBES). 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 microorganisms used to produce pharmaceutical and other products via microbial physiology, bioreaction 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 broad-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 presentations (of approximately 5 minutes duration), at the 'Speakers' Corner'.

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





The course is meant specifically for 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.

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

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

More information  
[www.brac-bec2018.com](http://www.brac-bec2018.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. Andreas Lübbert**, M.Luther-University Halle-Wittenberg, Germany

**Prof. Dr. Ton van Maris**, KTH Stockholm, Sweden

**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. Stuart Stocks**, LEO Pharma A/S, Denmark

**Prof. Dr. Luuk A.M van der Wielen**, Bernal Institute at the University of Limerick, Ireland

**Prof. Dr. John Woodley**, Technical University of Denmark

**There are MANY Good Reasons for Your Participation,  
Therefore, Come and Join us in 2018 !**

