

Networks and institutes

ESBES: EFB Section on Biochemical Engineering Science

ESBES

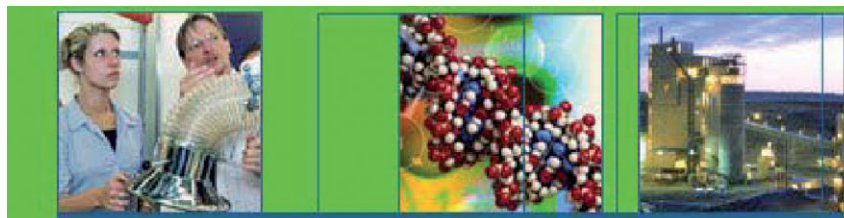
Section on Biochemical
Engineering Science

Within the framework of the European Federation of Biotechnology (EFB), the EFB Section

Biochemical Engineering Sciences (ESBES) stimulates advancement of the field Biochemical Engineering Sciences by providing a platform for communication, education and scientific activities. The section is an interface between industry and academia towards EC legislation. ESBES deals with all scientific, industrial and society-related issues of biotechnology with special emphasis on biochemical engineering. The section is open for all, who are interested in the field of biochemical engineering sciences.

Biochemical Engineering Science is an applied engineering discipline comprising elements from the BioSciences as well as from the defining disciplines of Engineering Science, *i.e.*, Physics and Mathematics, used to create models for Biological Systems in both small and large scale and to solve these models numerically to

guide both experimental work and design of processes. Special topics of Biochemical Engineering Science include analysis of bioreactors and of downstream process equipment to optimize the yield of the desired products and of the productivity of the system. Thus, Biochemical Engineering Science can also lead to better control systems through an understanding of the systems dynamics, and, through incorporation of molecular tools on a quan-



titative basis, it may lead to the discovery and design of completely new processes or products for the Bio Industry.

The Section on Biochemical Engineering Science (ESBES), established in August 1995, is the first and oldest section of the EFB. Currently it is headed by Chairman Prof. Dr. Marin Berovic (University of Ljubljana, Slovenia) and vice-Chairman Prof. Dr.

Alois Jungbauer (Vienna, Austria). ESBES organizes activities that encourage integration and interaction such as: –

- Bi-annual congresses on Biochemical Engineering (ESBES Symposium)

The 7th European Symposium on Biochemical Engineering Science will take place in Faro, Portugal from 7–10 September 2008

(<http://www.esbes2008.org>)

- Education Courses: Biopro-

cess Engineering Course: 14–19 September 2008

Exchanges of PhD students, post-doctoral fellows and lecturers between European laboratories

↗ (<http://www.hdb.hr/bec2008>)

- Workshops on new developments

↗ <http://www.esbesweb.org>

Academic awards

Friedrich Wilhelm Bessel Research Award

BTJ senior editor Nektarios Tavernarakis (Crete, Greece) has been granted a Friedrich Wilhelm Bessel Research Award from the Alexander von Humboldt Foundation.

Scientists and scholars, internationally renowned in their

field, who completed their doctorates less than 12 years ago and who in future are expected to continue producing cutting-edge achievements that will have a seminal influence on their discipline beyond their immediate field of work, are eligible to be nominated for a Friedrich Wilhelm Bessel Research Award. Award winners are invited to spend a period of up to 1 year cooperating on a long-term research project with specialist colleagues at a research institution in Germany.



↗ <http://www.humboldt-foundation.de>

Alexander von Humboldt
Stiftung / Foundation