



# Downstream Processing:

## *What will be the next breakthrough?*

International workshop on downstream processing

**10 & 11 May 2007**



Delft University of Technology, the Netherlands

### **SECOND ANNOUNCEMENT & CALL FOR PAPERS**

European Federation of Biotechnology  
Section on Biochemical Engineering Science  
Working group on Downstream Processing



## Introduction

In the last decades much progress has been made in improving efficiencies of biological production processes, such as fermentations (e.g. strain development) and enzymatic conversions. Developments in downstream processes have not yet taken the same pace; these processes are still based on relatively "classical" technologies such as chromatography, centrifugation and filtration. Due to this, the centre of effort and costs in biotechnological production processes have shifted downwards to the bioseparation part, which creates the need to search for 'quantum leap' potential of new developments.

This workshop aims to facilitate in this search, by providing a forum for presenting and debating the most recent developments in this field. The workshop will be held in different sessions, which will cover key themes in the area such as: Fast track (downstream) process development, new materials (membranes, selective ligands, resins, ionic liquids) in-situ product removal (process integration, intensification) and scalability of processes. Each session will comprise presentations on the latest developments in the field of downstream processing and will be closed with a plenary discussion.

## Call for papers

Scientists and engineers from both university and industry are kindly invited to submit abstracts of proposed presentations. Abstracts should contain maximum 250 words and can be submitted electronically.

Electronic registration and abstract submission is available via the conference website: [www.efb-dsp.nl](http://www.efb-dsp.nl)

Deadline for abstract submission is **31 January**.

Attendees to the workshop are also invited to submit full length manuscripts for consideration to be included in a special issue on "Bioseparation" of the *Journal of Chemical Technology and Biotechnology* (JCTB).





## Venue and date

This workshop will be held at the Delft University of Technology, the Netherlands on **10 & 11 May 2007**. The City of Delft is one of the leading centers for Industrial biotechnology for more than a century. Large-scale industrial operations in combination with academic research and education at the Delft University of Technology continue to create a lively and active biotechnology scene. More info is available on the conference website [www.efb-dsp.nl](http://www.efb-dsp.nl).

## Deadlines

Deadline for submission of abstracts	31 January 2007
Notification of acceptance of abstracts	28 February 2007
Deadline for early registration	15 April 2007

## Registration and Fee

Before 15 April 2007	Euro 200
15 April 2005 and later	Euro 300
Conference dinner (optional)	Euro 70

Early January electronic registration and abstract submission opens via the conference website: [www.efb-dsp.nl](http://www.efb-dsp.nl) which will also show payment details.

The registration fee in Euros includes conference materials, lunches, reception, coffee/tea and refreshments; conference dinner is excluded.

## Contact

Secretariat  
EFB-DSP 2007 Secretariat  
E: [info@efb-dsp.nl](mailto:info@efb-dsp.nl).





## Organizing institutions

- European Federation of Biotechnology / Section on Biochemical Engineering Science / Working group on Downstream Processing (EFB-ESBES-WGDSP)
- Dutch Biotechnology Society - Study Group Product Isolation and Purification (NBV-PZ)
- Department of Biotechnology - Delft University of Technology

## Scientific Committee

John Woodley	DTU Technical University of Denmark, DK
Owen Thomas	University of Birmingham, UK
Jürgen Hubbuch	Research Centre Jülich, G
Alois Jungbauer	University of Natural Resources and Applied Life Sciences, Vienna, A

## Organizing Committee

Emile van de Sandt	DSM Anti-Infectives, NL	(NBV-PZ)
Marcel Ottens	Delft University of Technology, NL	(NBV-PZ)
Marc Bisschops	Xendo Manufacturing, NL	(NBV-PZ)
Jeroen den Hollander	DSM Food Specialties, NL	(NBV-PZ)
Reinoud Noordman	Heineken Supply Chain, NL	(NBV-PZ)
Guilherme Ferreira	University of Algarve, PT	(EFB-ESBES-WGDSP)
Owen Thomas	University of Birmingham, UK	(EFB-ESBES-WGDSP)

This international workshop is co-organised by the **Study Group Product Isolation and Purification of the Dutch Biotechnological Society (NBV)** and the **EFB – Section Biochemical Engineering Science – working group Downstream Processing**.

For information on the EFB-ESBES working group on Downstream Processing, see:

[http://www.esbesweb.org/Downstream\\_Processing.html](http://www.esbesweb.org/Downstream_Processing.html)

For information on NBV's Working Party on Downstream Processing, please visit the web-site

<http://nbv-pz.bt.tudelft.nl>