

## Detailed Final Program EFB-DSP 2007 | May 10-11

Version 03-05-2007

The detailed program is subject to small changes.

Table 1. Program sessions, chairs and speakers EFB-DSP 2007

### Thursday

Ses	Day	Time	Subject	Chairs/Speaker
	10	09.00-10.30	Registration / Coffee	
	10	10.30-10.40	Welcome by the Director Department Biotechnology TUD	De Winde
	10	10.40-11.00	Opening by Chairman / Vice Chairman EFB-ESBES-WGDSP:	Ferreira / Thomas
	10	11.00-11.10	Delft and DSP	Ottens
1A	10	11.10-12.15	ISPR, Process Integration, and Process Intensification	Woodley
		11.10-11.15	Introduction in to the session	Woodley
		11.15-11.45	Towards the Integration of Fermentation and Crystallization	Cuellar
		11.45-12.15	Combining Membrane Separation and Fermentation Processes for Improved Performance	Jonsson
		12.15-13.15	Lunch Break – Poster Session	
1B	10	13.15-14.30	ISPR, Process Integration, and Process Intensification	Woodley
		13.15-13.45	Integrated operation of SMB and biocatalysis for the generic production of optically active compounds	Bechtold
		13.45-14.30	Discussion Workshop: ISPR, Process Integration, and Process Intensification	Woodley
		14.30-15.00	Coffee Break – Poster Session	
2A	10	15.00-16.10	Fast-track Process Development Technologies	Hubbuch
		15.00-15.20	Introduction into Fast-track Process Development Technologies	Hubbuch
		15.20-15.45	A modeling-based rational approach to purify proteins: A case study	Nfor
		15.45-16.10	Design and Optimisation of Chromatographic Protein Purification using High Throughput Experiments	Susanto
		16.10-16.40	Coffee Break – Poster Session	
2B	10	16.40-17.30	Fast-track Process Development Technologies	Hubbuch
		16.40-17.05	Fractionation and Characterization of Crude Protein Mixtures by a 2D LC System for Speeding-up Bioseparation Process Design	Ahamed
		17.05-17.30	Downstream Processing: Chicken or Egg?	Bracewell
		17.30-19.00	Drinks – Poster Session	
		19.30-??	Conference Dinner	

### Friday

Ses	Day	Time	Subject	Chairs/Speaker
3	11	09.00-11.05	New Materials, Principles and Fundamentals	Thomas
		09.00-09.05	Introduction into the session	Thomas
		09.05-09.35	A novel approach using mild HIC with polyethylene glycol on sepharose for the separation of PEGylated RNase A proteins	Rito-Palomares
		09.35-10.05	Lysozyme binding orientation on different adsorber materials under varying experimental conditions	Dimer
		10.05-10.35	Mixed-matrix membrane adsorber technology for the separation therapeutic proteins.	Eppink
		10.35-11.05	Novel ion-exchange chromatographic materials	Polakovic
		11.05-11.35	Coffee Break – Poster Session	
4	11	11.35-13.10	Scalable processes	Ottens
		11.35-11.40	Introduction into the session	Ottens
		11.40-12.10	The Brunel ABC: A New Centre Dedicated to CCC from Milligram to Tonne Quantities	Garrard
		12.10-12.40	BioSMB, a Continuous Multicolumn Chromatography Process for Monoclonal Antibody Purification	Pennings
		12.40-13.10	Practical experiences from the development of aqueous two-phase processes for the recovery of high value biological products	Rito-Palomares
		13.10-14.10	Lunch Break – Poster Session	
		14.10-14.20	Closing remarks	Ferreira / Thomas
		14.20-17.00	Drinks / Departure	

Table 2. Poster Program EFB-DSP 2007

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Nr.	Title + Authors
P001	High performance radial flow chromatography (HP-RFC): scalable solution for fast, economical DSP of biological products. M. Raedts, X. Santarelli
P002	Potential for NF membrane diafiltration in downstream processing. A. Buekenhoudt
P003	Establishing an economical process for MAb purification. F. Geeraerts
P004	Developing a toolbox for application of (novel) In-situ Product Removal methods in fermentative processes. M. Roelands, S. Allaie, D. Verdoes, C. van den Berg, L. Heerema, J.H. Urbanus
P005	Comparison of packed bed and membrane anion exchange chromatography for the purification of retroviral vectors. T. Rodrigues, A. Alves, M.M.J. Carrondo, P.M. Alves, P.E. Cruz
P006	High throughput screening in downstream processing: Determination of protein solubilities in a combined high throughput / evaporation assay. M. Bensch, Christiane Voelker, A. Staby, J. Hubbuch
P007	Unravelling anion exchange membrane chromatography of Rotavirus-like particles. T. Vicente, M.Q. Sousa, C. Peixoto, M.J.T. Carrondo, P.M. Alves
P008	Validation of the Sterile Filtration of Liquid Nitrogen. H. Reichert
P009	Automated High-Throughput Screening of membrane adsorbents using a robotic workstation. T. Rosenbaum, V. Thom, R. Faber, J. Hubbuch
P010	Efficient Solubilization of Inclusion Bodies. E.J. Freydel, M. Ottens, M.H.M. Eppink, G.W.K. van Dedem, L.A.M. van der Wielen
P011	Chemical technology breakthrough concepts for the recovery of instable products from fermentation. P. Wnukowski, E.J.A.X. van de Sandt
P012	Evaluation of high throughput screening techniques for effective optimization of inclusion body protein refolding. A. Berg, J. Hubbuch
P013	Rapid recovery of pDNA from PEG/Salt ATP systems by using membrane adsorption. P. Geilenkirchen, T. Rosenbaum, A. Frerix, M. Müller, J. Hubbuch
P014	The use of Colloidal Gas Aphrons (CGA) as novel downstream processing for the recovery of bioactives. M. Dermiki, M.H. Gordon, P. Jauregi
P015	Depth filtration for biopharmaceutical processes. C. Fischer
P016	Membrane technology for the purification of Ehrlichia ruminantium elementary bodies produced in endothelial cells. C. Peixoto, I. Marcelino, A.I. Amaral, M.J.T. Carrondo, P.M. Alves
P017	Recovery and purification of surfactin from fermentation broth by a two-step ultrafiltration process. M.H. Mohd Isa, R. Frazier, P. Jauregi
P018	Pore Accessibility and Reliability of Pore Size Distribution Models for Materials Used for Separation of Monoclonal Antibodies. I. Tatárová, M. Polakovič
P019	Novel microbial inactivation technologies for high quality products. M.B. Fox, M. Sibeijn, E. Smid, P. de Jong
P020	Single Use Systems and Technologies for Tangential Flow Filtration. B. Rawlings
P021	Enzyme Modification using Magnetic Adsorbents as Smart" Handles". K. Ottow, T. Lütken-Petersen, A. Mark Arnung, N. Schultz, J. Brask, J. Villadsen, T. Hobley
P022	Evaluation and Application of Polymer-based Novel Ion Exchange Chromatographic Media. W. Hesselink, T. Schmiding, M. Dietze, W. Guo, S. Magee, N. Deorkar
P023	Design of separation for production of fructooligosaccharides. K. Vanková, M. Antošová, M. Polákovič
P024	Continuous Multicolumn Chromatography. R. de la Fuente, M.A.T. Bisschops, M. Pennings
P025	Product Safety Engineered with Care. E. Telgenkamp
P026	High Throughput Chromatography; Development and use of 96 well plate technology for chromatography media selection and process optimisation. D. Baines, H. Charlton, S. Burton
P027	Chemical modification of microporous hollow fiber membranes for application in downstream processing. S. Beutel, A. Graf, T. Scheper
P028	Large-scale cGMP-purification of Plasmid DNA. R. Ganja, J. Urthaler, W. Buchinger
P029	Radial Flow Chromatography versus Axial Flow Chromatography. The influence of varying packing parameters on performance. I. Schmalen, F. Nothelfer, D. Ambrosius, C. Frech
P030	Theoretical performance of countercurrent reactors for production of enantiopure compounds from racemic mixtures. M. Saric, A. J. J. Straathof, L. A. M. van der Wielen, R. Krishna