

The detailed program is subject to small changes.

Monday

Ses.	Day	Time	Subject	Chairs / Presenter
	20	08.30-09.30	Boarding in Amsterdam / Registration and Coffee	
	20	09.30-09.40	Opening of BPP2005	Van der Wielen
1a	20	09.40-11.20	Integrated Bioprocesses	Asenjo & Mattiasson
1.1		09.40-10.20	<i>Keynote: Is there a rational way to purify Proteins? From Expert Systems to Proteomics</i>	<i>J.A. Asenjo</i>
1.2		10.20-10.50	Scaleable recovery of plasmid DNA based on aqueous two phase separation	A. Frerix
		10.50-11.20	Break	
1b	20	11.20-12.30	Integrated Bioprocesses	Asenjo & Mattiasson
1.3		11.20-12.00	<i>Keynote: Process Integration in the Biopharmaceutical Industry</i>	<i>J. Thömmes</i>
1.4		12.00-12.30	A prototype process for B-phycoerythrin purification from <i>Porphyridium cruentum</i>	M. Rito-Palomares
		12.30-13.30	Lunch	
P1		13.30-14.30	Poster Session	
2a	20	14.30-15.50	Fluid Systems	Keurentjes & Tjerneld
2.1		14.30-15.10	<i>Keynote: Estimating biomolecular properties for the design of biotechnological purification processes</i>	<i>A.M. Lenhoff</i>
2.2		15.10-15.30	High Throughput Screening of Combinatorial Conditions Library for Protein Extraction in Aqueous Two-Phase Systems	B. Zaslavsky
2.3		15.30-15.50	The Role of PEG-based Solvents in Green Chemistry	J. Huddleston
		15.50-16.20	Break	
2b	20	16.20-17.40	Fluid Systems	Keurentjes & Tjerneld
2.4		16.20-16.40	Development of Surfactant/Polymer Aqueous Two-Phase Systems for Solubilisation and Enrichment of Membrane Proteins	F. Tjerneld
2.5		16.40-17.00	Protein Purification by Affinity-Enhanced Partitioning in Decyl beta-D-Glucopyranoside Two-Phase Aqueous Micellar Systems	H. Lam
2.6		17.00-17.20	Dynamic Extraction of biologics with ATPS	D. Fisher
	20	18.00	Disembark in Utrecht / Bus Transfer to Hotels	

Tuesday

	21	08.00-08.30	Bus Transfer from Hotels to Boat	
	21	08.30-09.00	Boarding in Utrecht / Coffee	
3a	21	09.00-10.30	Molecular Fundamentals	Haynes & Lenhoff
3.1		09.00-09.30	The Thermodynamics of Chromatography	J.M. Mollerup
3.2		09.30-10.00	Modeling adsorption of elongated and discoid shaped particles to polymer grafted surfaces	H.O. Johansson
3.3		10.00-10.30	Self Interaction Chromatography Aided Protein Crystallization	T. Ahamed
		10.30-11.00	Break	
3b	21	11.00-12.30	MOLECULAR FUNDAMENTALS featuring: DIOC LifeTech	Haynes & Lenhoff
3.4		11.00-11.10	DIOC LifeTech: The Legacy	F. Hagen
3.5		11.10-11.30	Simulation of Transport and Chiral Separations in Protein Crystals	M.O. Coppens
3.6		11.30-11.50	Computational study of the enantioselectivity of CalB Lipase – Free Energy Calculation	Y. Zhou
3.7		11.50-12.10	From zeptomole to single-enzyme voltammetry	S. de Vries
3.8		12.10-12.30	Advances in the Development of a Novel Method to be used in Proteomics using Gold Nanoparticles	H.R.C. Dietrich
		12.30-13.30	Lunch	
P2	21	13.30-14.30	Poster Session	
4a	21	14.30-15.40	Novel Application	Thömmes & Hubbuch
4.1		14.30-15.10	Keynote: Alternative bioseparation operations: the rise and fall of packed-bed chromatography?	T. Prybycien
4.2		15.10-15.40	An insight in the mechanism of separation of whey proteins using colloidal gas aphanons (CGA) generated from ionic surfactants	P. Jauregi
		15.40-16.10	Break	
4b	21	16.10-17.30	Novel Application	Thömmes & Hubbuch
4.3		16.10-16.30	Monolithic and non monolithic chromatography media for the industrial scale purification of therapeutically applicable pDNA	J. Urthaler
4.4		16.30-16.50	DNA Separations using Peptide Nucleic Acid Amphiphiles as Affinity Tags in Hydrophobic Interaction Chromatography	J. Savard
4.5		16.50-17.10	Affinity-Tagged Green Fluorescent Protein Extraction from E. coli Cell Lysate Using Two-Phase Aqueous Micellar Systems	P. Mazzola
4.6		17.10-17.30	Low cost adsorbents for selective adsorption of small peptides	R. Wijntje
		17.30-18.30	Drinks	
		18.30-22.00	Conference Diner	
	21	20.00-20.10	Conference Diner Speech: Life Science and Technology at the TU Delft	Jacob Fokkema
	21	20.10-20.30	Conference Keynote Lecture: Nanotech and Single-Molecule Biophysics	Cees Dekker
	21	20.30-21.00	BPP2005 Award	van der Wielen
	21	22.00	Disembark in Schiedam / Bus Transfer to Hotels in Rotterdam	

Wednesday: Day off in Delft

	22	09.30	Bus Transfer from Hotels to Delft (Botanical Garden) (Optional)	
	22	10.00-17.00	Day off in Delft Guided Tour in Delft (Optional) Lab Tour (Optional)	
	22	16.00-17.00	Scientific Committee meeting	
		17.00-17.30	Drinks in Botanical Garden	
		17.30-21.00	BBQ in Botanical Garden	
	22	21.00	Bus Transfer to Hotels in Rotterdam	

Thursday

	23	08.00-08.30	Bus Transfer from Hotels to Boat	
	23	08.30-09.00	Boarding in Schiedam / Coffee	
5a	23	09.00-10.40	Soft Solid Structures	Franco & Thomas
5.1		09.00-09.40	<i>Keynote: Phase behavior in bio-separation processes</i>	<i>C. Haynes</i>
5.2		09.40-10.10	The Characteristics of a Responsive Gel made of Polyether-Modified Poly(acrylic acid) for Enhanced Protein Separation	C.S. Tan
5.3		10.10-10.40	Quantification of binary diffusion in protein crystals	A.J.J. Straathof/Cvetkovic
		10.40-11.10	Break	
5b	23	11.10-12.30	Soft Solid Structures	Franco & Thomas
5.4		11.10-11.40	A direct comparison between ion-exchange chromatography and aqueous two-phase processes for the purification of penicillin acylase produced by E. coli	O. Aguilar
5.5		11.40-12.10	Precipitation-A tool for Novel Product Formulation	M. Golubovic
5.6		12.10-12.40	Adsorbent functionality in oligosaccharide purification	J. Vente
		12.40-14.00	Lunch	
6a	23	14.00-15.00	Bioparticle Purification	Boom & Ottens
6.1		14.00-14.30	Adsorption and mass transfer properties of ultra large proteins and nanoparticles using monoliths	A. Jungbauer
6.2		14.30-15.00	Separation of (sub-)micron particles by selective flotation	P. van Hee
		15.00-15.30	Break	
6b	23	15.30-17.30	Bioparticle Purification	Boom & Ottens
6.3		15.30-16.00	Rotavirus-like particles purification from insect cells in aqueous two-phase systems	J. Benavides
6.4		16.00-16.30	Viral clearance by BioSAFE (Bioseparations using Surfactant Aided size exclusion chromatography)	D.A. Horneman
6.5		16.30-17.00	Oligonucleotide Purification by Selective Micelle Partitioning in Capillary Electrophoresis	J. Schneider
6.6		17.00-17.30	Cell surface characterisation for bioprocess applications	M. Råvik
	23	18.00	Disembark in Utrecht / Bus Transfer to Hotels	

Friday

	24	08.00-08.30	Bus Transfer from Hotels to Boat	
	24	08.30-09.00	Boarding in Utrecht / Coffee	
7	24	09.00-11.00	Industrial Challenges	Lester & Prybycien
7.1		09.00-09.30	Development of a Robust Industrial Scale Clarification Step for the Recovery of Antibody Fragment (Fab) from E.coli Lysate	A. Brown
7.2		09.30-10.00	Challenges and Solutions Related to The Processing of Polymer-Modified Proteins	J. M. Van Alstine
7.3		10.00-10.30	A Review of the Evolution of Dynamic Extraction from Countercurrent Chromatography and its Potential as an Industrial Scale Process	I. Sutherland
7.4		10.30-11.00	Platform technology for developing purification processes	M. Eppink
		11.00-11.30	Break / Sandwich	
	24	11.30-12.30	BPP2007 / Closing BPP2005	Van der Wielen
		11.30-12.00	BPP2007: where and when?	Org. Comm. Of BPP2007
		12.00-12.30	Closing BPP2005	L.A.M. van der Wielen
	24	12.30-13.00	Disembark in Amsterdam	

Posters.

Nr.	Title + Authors
P041	α -Amylases Recovery on Amberlite IRA 410 Ion Exchange by Expanded Bed Chromatography, J.B. Severo Jr, J.C.C. Santana, R.R. Souza and E. B. Tambourgi
P042	A Reconstituted Oil Bodies-Based Method to Purify Recombinant Proteins in <i>E. coli</i> , C.J. Chiang, H.C. Chen and J.T.C. Tzen
P043	Biopartition of α and β Amylases from Zea mays Malt by Continuous Extraction in ATPS PEG/ CaCl ₂ , J.P.M. Biazus J.C.C. Santana R.R. Souza, E. Jordão and E.B. Tambourgi
P044	Comparison of Micellar and Reactive Extraction for the Recovery and Purification of Proteins, M.M. Aragón N.J.M. Kuipers and A.B. de Haan
P045	Comparison of Novel Type Streamline Direct CST1 Adsorbent with Streamline SP for Recovery of Recombinant β -Glucosidase from <i>Pichia pastoris</i> High Cell Density Culture Broth, T. Charoenrat S.O. Enfors, M. Jahic, M. Ketudat-Cairns and A. Veide
P046	Correlation for the Partition Behavior of Proteins in Aqueous Two Phase Systems: Effect of Surface Hydrophobicity and Charge, B.A. Andrews and J.A. Asenjo
P047	Design of Aqueous Two-Phase Protein Separation Systems, M.M. Ahmad, T.M. Przybycien and S. Hauan
P048	Development of Innovative Process Technologies Addressing the Need for a Reliable and Economic Plasmid DNA Manufacturing Process, L. Breitkopf, P. Moritz, N. Scholle, S. Leifholz, E. Samol, J. Hucklenbroich, M. James, A. Breul, W. Tvrđik, J. Schorr and M. Müller
P049	Hybrid Resolution Method for the Prediction of a Multi-Component Mixture Separation in a Simulated Moving Bed, A.V.R.D. Starquit and M.A. Cremasco
P050	Immobilization of Whole Cells with Surface-Exposed Chitin-Binding Domain, J.Y. Wang and Y.P. Chao
P051	Intraparticle Protein Diffusion in Chromatographic Media Directly Quantified by Confocal Laser Scanning Microscopy, M. Schröder, E. von Lieres and J. Hubbuch
P052	Isolation of DNA Plasmid from Polyethyleneimine Polyplexes in Aqueous Two-Phase Systems, S.P. Duarte, H. Barbosa, D.M.F. Prazeres and J.C. Marcos
P053	Optimization of Recovering of Ananas comosus Bromelain in Plain Membrane System, F.L.G. Lopes, R.R. Souza and E.B. Tambourgi
P054	Partitioning of Therapeutic Proteins in Aqueous Two-Phase Systems, A.M. Azevedo, P.A.J. Rosa and M.R. Aires-Barros
P055	Aqueous Two-Phase Systems (PEG/Citrate) Applied to Purification of Protease from <i>Clostridium perfringens</i> , T.S. Porto, P.A. Pessôa-Filho, M.T.H. Cavalcanti, B.B. Neto, J.L. Lima-Filho, A.L.F. Porto and A. Pessoa Jr.
P056	Phase Equilibrium in Poly(Ethylene Glycol) + Maltodextrin + Water Aqueous Two-Phase Systems: Measurement and Partition of Whole Bacterial Cells, F.L.C. Machado, J.S.R. Coimbra, L.A. Minim, E.S. Monteiro-Filho and A.J.A. Meirelles
P057	Plasmid DNA Purification in Polyethyleneglycol / Dextran Systems, H. Barbosa and J.C. Marco
P058	Refolding Kinetics of a Recombinant Fusion Protein without Chaotropic Agents E.J.E. Freydel, M.H.M. Eppink M. van der Cammen, M. Ottens, G.W.K. van Dedem and L.A.M. van der Wielen
P069	Response Surface Methodology for the Evaluation of Glucose-6-phosphate Dehydrogenase Purification Process by Soybean Lecithin Reversed Micelles, F.A. Hasmann, D.B. Gurpilhares, I.C. Roberto and A. Pessoa Jr.
P060	RSM Optimization of Partitioning of α and β - Amylases from Zea mays Malt by ATPS PEG/CaCl ₂ , A.F. Evangelista, J.B. Severo Jr, J.C.C. Santana, R.R. Souza, E. Jordão and E.B. Tambourgi
P061	Solubilization of Lipase and Its Higher Order Structure in CTAB Reverse Micellar Systems, K. Naoe, C. Takeuchi, M. Kawagoe K. Nagayama and M. Imai
P062	Study of Ion Exchange Chromatography in Expanded Bed for Bovin Albumin Recovery, J.B. Severo Jr, J.C.C. Santana, R.R. Souza and E.B. Tambourgi
P063	Study of the Influence of pH and Transmembrane Pressure in the Recovery of Bromelain Enzyme using Flat Membrane, F.L.G. Lopes, R.R. Souza and E.B. Tambourgi
P064	Wine Clarification from <i>Spondias lutea</i> L. Pulp by Hollow Fiber Membrane System, J.B. Severo Jr, S.S. Almeida, N. Naraim, J.C.C. Santana, R.R. Souza and E.B. Tambourgi
P065	Bovine Serum Albumin Partitioning in PEG-Potassium Phosphate-NaCl Systems, U. Gündüz and E. Dilan
P066	Theoretical Study of the Partition of Bovine Serum Albumin (BSA), Lysozyme, Glucosidase and Catalase in Na ₂ SO ₄ /PEG 6000 Aqueous Two-Phase System at 298.15 K, P.P. Madeira, X. Xu, J.A. Teixeira and E.A. Macedo
P067	Scale-up of Chromatographic Ion Exchange Processes in Biotechnology, S. Al-Jibbouri and J.M. Mollerup
P068	Miniaturized Self-Interaction Chromatography for Predictive Protein Crystallization, L.Luo, T. Ahamed, M. Ottens, G.W.K. van Dedem, and L.A.M. van der Wielen