

SBCN 2012 PROGRAM

TUESDAY 23 OCTOBER 2012	
12h30 - 14h00	Registration
14h00 - 14h30	<p>Welcome : François CANSELL, <i>General Director of Polytechnic Institute of Bordeaux</i></p> <p>Opening : Xavier SANTARELLI, <i>Symposium Chairperson</i> M.A.VIJAYALAKSHMI, <i>Symposium Co-Chairperson</i></p>
14h30 - 15h15	<p>PL.1. Current Best Practice in Biomanufacturing and the Critical Role of Innovation Dr. Uwe GOTTSCHALK, <i>Sartorius Stedim Biotech, Göttingen, Germany</i></p>
Session 1: New ligands, new stationary phases and new methods	
15h15 - 15h40	<p>C1. CaptureSelect C-tag : A revolutionary purification and detection tool for proteins with the shortest affinity tag available Frank DETMERS, <i>BAC BV, Leiden, The Netherlands</i></p>
15h40 - 16h00	<p>C2. Purification of secreted histidine-tagged proteins: A new IMAC medium (resin) that addresses the metal-ion stripping problem Lars C. ANDERSSON, Therese Granér and Marianne Carlsson, <i>GE Healthcare Bio-Sciences AB, SE-751 84 Uppsala, Sweden</i></p>
16h00 - 16h10	<p style="text-align: center;">Waters Workshop, presentation by Dr. David Lascoux "H Class Bio workshop: overcome your separation's challenges with H Class BIO capabilities".</p>
16h15 - 16h45	Coffee break & Poster Session
16h45 - 16h55	<p style="text-align: center;">Perkin Elmer Workshop, presentation by Dr. Ilse Klein "Accelerating your Research – How to use the LabChip GXII for High Throughput Analysis of Nucleic Acids, Proteins and Glycans"</p>
16h55 - 17h20	<p>C3. Novel Salt tolerant anion exchanger for flexible process development Jérôme Champagne¹, Magali Touelle¹, René Gantier² 1) <i>Pall Life Sciences, Cergy, France</i>; 2) <i>Pall Life Sciences, Northborough, MA, USA</i></p>
17h20 - 17h45	<p>C4. Development of pDNA purification process using single monolithic chromatographic column Urh Černigoj^a, Urška Vidic^a, Angela Sousa^b, Fani Sousa^b, João A. Queiroz^b, Nika Lender Krajnc^a, Miloš Barut^a, Aleš Štrancar^a <i>BIA Separations d.o.o., Mirce 21, 5270 Ajdovščina, Slovenia</i> <i>CICS-UBI – Health Sciences Research Centre, University of Beira Interior, Av. Infante D. Henrique, 6200-506 Covilhã, Portugal</i></p>
17h45 - 18h05 	<p>C5. Separation and analysis of multifunctional particles by flow cytometry for blood platelet genotyping. Amandine Cornillon^{1,2}, Y. Mérieux³, V.Monnier¹, P. Charette², E.Souteyrand¹, J-P.Cloarec^{1,2}; ¹<i>Institut des Nanotechnologies de Lyon site Ecole Centrale de Lyon, 36 avenue Guy-de-Collongue, 69134 Ecully Cedex, France</i>, ²<i>Laboratoire Nanotechnologies & Nanosystèmes, Université de Sherbrooke, 2500 Bd de l'Université, Sherbrooke, QC, J1K 2R1, Canada</i>, ³<i>Etablissement Français du Sang, rue du Vercors, 69007 Lyon, France</i>.</p>
18h05 - 18h25 	<p>C6. A Low Cost and High Throughput Magnetic Bead-Based Immuno-Agglutination Assay in Confined Droplets Bruno Teste, Anais Ali-Cherif, Stéphanie Descroix, Jean Louis Viovy, Laurent Malaquin, <i>Institut Curie, CNRS, Université Pierre et Marie Curie, UMR 168, 75005 Paris, France</i></p>

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WEDNESDAY 24 OCTOBER 2012	
Session 2: Peptides, Proteins & other Biomolécules 1	
8h50 - 9h40	PL2. Continuous chromatography (MCSGP) for the purification of therapeutic proteins Prof. Massimo MORBIDELLI, <i>Institute for Chemical and Bioengineering, Department of Chemistry and Applied Biosciences, ETH Zürich, Zürich, Switzerland</i>
9h40 - 10h00 ☺	C7. Chromatography Coupled with Crystallization: Novel Hybrid Process for Purification of Xylitol from Fermentation Broth Sandip Kadam, Sandeep Kale*, Arvind Lali <i>Bioprocessing group, DBT-ICT-CEB, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga (East), Mumbai-400019, India</i>
10h00 - 10h20 ☺	C8. Isolation, Purification and Characterization of Pearl Millet and Sorghum Prolamins- A Plastifiable and Celiac Safe Proteins Sharmilee Mane, Prashant Kumar and Sandeep Kale <i>Bioprocessing group, DBT-ICT-CEB, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga (East), Mumbai-400019, India</i>
10h20 - 10h30	TOSOH Biosciences Presentation
10h30 - 11h00	Coffee break & Poster Session
11h00 - 11h50	PL3. Characterization of surfaces for hydrophobic interaction chromatography Pr . Alois JUNGBAUER, <i>Austrian Center of Biotechnology, University of Natural Resources and Applied Life Sciences, Vienna, Austria</i>
11h50 - 12h00	PALL Presentation
12h00 -12h50	PL4. PEGylated protein separations: Challenges and opportunities Pr Shuichi YAMAMOTO, <i>Bio-Process Engineering Laboratory, School of Engineering and Graduate School of Medicine, Yamaguchi University, Ube 755-8611, Japan</i>
12h50 -13h20	C9. PEGylation, separation and characterization of laccase from <i>Trametes versicolor</i> Karla Mayolo-Deloisa, Mirna González-González, Jesús Simental-Martinez and Marco Rito-Palomares, <i>Tecnológico de Monterrey, Ave. Eugenio Garza Sada 2501 Sur, Monterrey, NL 64849, México. México</i>
13h20 -14h20	Lunch



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WEDNESDAY 24 OCTOBER 2012

Session 3: Characterization : Tools and methodology for biology and "omics" analysis

14h20 - 15h00	<p>PL5. Analysis and control of post-translational modifications for recombinant proteins from different production systems Dr Manfred THEISEN, <i>Proteodynamics, Saint Beuzire, France</i></p>
15h00 - 15h25 ☺	<p>C10. Contribution of capillary zone electrophoresis to the analysis of monoclonal antibody drugs Anne-Laure Gassner, Serge Rudaz and Julie Schappler <i>School of Pharmaceutical Sciences, University of Geneva, Bd d'Yvoy 20, 1211 Geneva 4, Switzerland</i></p>
15h25 - 15h45	<p>C11. Novel RP-HPLC method for simultaneous analysis of multiple whey proteins in process, finished product and formulations Pravin Dhakne¹, Smita Kale¹ and Sandeep Kale² , ¹<i>College of Pharmacy, Singhad Technical Education Society, Vadgaon (BK), Pune-411041, India</i> ²<i>Bioprocessing group, DBT-ICT-CEB, Institute of Chemical Technology Nathalal Parekh Marg, Matunga (East), Mumbai-400019 India</i></p>
15h45 - 16h 15	<p>C12. Zinc-mediated separation of hemoglobin from human blood and electrochemical sensing of glycated hemoglobin (HbA1c) for diabetes diagnosis and control Yong Duk Han, Yoo Min Park, Chi Yong Jeong, Seung Yeon Song, Hyun C. Yoon, <i>Department of Applied Chemistry & Biotechnology, Ajou University, South Korea</i></p>
16h15 - 16h45	Coffee break & Poster Session
16h45 - 17h30	<p>PL6. New Technologies for the Genome Age Pr Lloyd M. SMITH, Director, <i>Genome Center of Wisconsin, Department of Chemistry, University of Wisconsin, USA</i></p>
17h30 - 17h50	<p>C13. A new method for peptide sequence elucidation in complex hydrolysates from food proteins Christelle Harscoat-Schiavo, Evelyne Ronat-Heit, Cédric Paris, Romain Kapel, Ivan Marc, <i>Laboratoire Réactions et Génie des Procédés CNRS, Université de Lorraine, 13, rue du bois de la Champelle F-54500 Vandoeuvre-lès-Nancy, France</i></p>
17h50 - 18h10 ☺	<p>C14. Analytical strategies for phosphoproteomics of <i>Pseudomonas aeruginosa</i> PA14 Tassadit Ouidir, Thierry Jouenne, Julie Hardouin, <i>Polymers, Biopolymers and Surfaces Laboratory, Team BRICS, University of Rouen, UMR 6270 CNRS , 76821 Mont-Saint-Aignan Cedex, France</i></p>
18h15 - 18h30 ☺	<p>C15. Metabolomic study by LC-MS/MS of <i>Plasmodium falciparum</i>, the parasite responsible for malaria Salma Ghezal, S.Vo Duy, S. Besteiro, C. Perigaud, F. Bressolle, H. J. Vial, B. Roy, I. Lefebvre-Tournier <i>IBMM, Nucleosides and phosphorylated effectors research group, UNIVERSITÉ MONTPELLIER 2 – cc 1705, Place Eugène Bataillon –34095 Montpellier cedex 5, France</i></p>

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THURSDAY 25 OCTOBER 2012	
8h00 - 9h00 Networking Breakfast	Linking Students to the Industrials and academics. Since December 2011 a Sanofi "Chair" was founded in ENSTBB. Sanofi is proud to associate this Chair at the SBCN 2012 by funding a breakfast to allow exchanges between ENSTBB students and industry.
Session 4 : Peptides, Proteins & other biomolécules session 2	
9h00 - 9h50	PL7. Bromelain derived peptides can destabilize β -amyloid aggregates Dr. Debasish Bhattacharyya CSIR-Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Jadavpur, Kolkata- 700032, India
9h50 - 10h10 	C.16. Chromatographic and proteomic-based approach to isolate a group of novel fibrinolytic enzymes from <i>Aristolochia indica</i> Payel Bhattacharjee and Debasish Bhattacharyya CSIR-Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032, India
10h10 - 10h30	C17. Components and Mode of Actions of an Aqueous Extract of Human Placenta used as Wound Healer Dr.Piyali Datta Chakraborty ¹ , Debashree De ² and Debasish Bhattacharyya ² ¹ Albert David Ltd., 15, Chittaranjan Avenue, Kolkata-700072, India ² CSIR-Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032, India
10h30 - 10h50	C18. Clinical Implications of the Drug 'Placentrex' : An Aqueous Extract of Human Placenta Dr. Subhasri Bandyopadhyay and Piyali Datta Chakraborty, Albert David Ltd., 15, Chittaranjan Avenue, Kolkata-700072, India
10h50 - 11h00	Merck Presentation
11h00 - 11h30	Coffee break & Poster Session
11h30 - 11h50	C19. Rubber Elongation Factor (REF), a major allergen component in <i>Hevea brasiliensis</i> latex has amyloid properties Karine Berthelot, Sophie Lecomte, Yannick Estevez, Bénédicte Couly-Salin, Ahmed Bentaleb, Christophe Cullin, Alain Deffieux, Frédéric Peruch Laboratoire de Chimie des Polymères Organiques, LPCO CNRS UMR 5629, ENSCBP/IPB, 16 avenue Pey-Berland, 33600 Pessac, France
11h50 - 12h10 	C20. Preparative Scale Extraction and Chromatographic Purification of Ursolic acid from Apple Pomace using QbD Approach Vinod Amritkar, Sandeep Kale* and Arvind Lali, Bioprocessing group, DBT-ICT-CEB, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga (East), Mumbai-400019, India
12h10 - 12h30	C21. Purification of recombinant Elastin-like polymers produced in <i>Escherichia coli</i> ¹ Laure Bataille, ² Wilfrid Dieryck, ² Agnès Hocquetlet, ² Charlotte Cabanne, ² Bertrand Garbay, ¹ Sébastien Lecommandoux, ¹ Elisabeth Garanger ¹ LCPO - UMR CNRS 5629 - Université de Bordeaux, ENSCBP/IPB, 16 avenue Pey-Berland, 33600 Pessac, France ² EA 4135, ENSTBB, 146 rue Léo Saignat 33076 Bordeaux France
12h30-13h45	Lunch

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THURSDAY 25 OCTOBER 2012

Session 5 : Mixed-Mode, PseudoBioAffinity, hydrophobic interaction

13h45 - 14h30	PL8. Mixed-mode sorbents: Old wine in new bottle Prof.M.A.VIJAYALAKSHMI, Director, CBST, VIT University, Vellore -632014,TamilNadu, India
14h30 - 14h50	C22. Nuvia cPrime™ a new hydrophobic cation-exchange chromatography media for the purification of bio-macromolecules Jiali Liao, Hong Chen, Yueping Xu, Kin Lam, Xuemei He, Sherif Hanala, Mark Snyder_and Russ Frost, Bio-Rad Laboratories, Inc., Hercules, CA, USA
14h50 - 15h10 ☺	C23. PCR products preparative isolation using mixed-mode chromatography Tiago Matos ^{1,2} , João Queiroz ² ; Leif Bulow ¹ ¹ Pure and Applied Biochemistry, Kemicentrum, Box 124, 22100 Lund, Sweden, ² University of Beira Interior, Covilhã, Portugal
15h10 - 15h30 ☺	C24. Effect of Additives on Yield and Purity of Antibodies obtained using Pseudobioaffinity Chromatography on AbSep Gaurangi Deore, Sandeep Kale* and Arvind Lali, Bioprocessing group DBT-ICT-CEB, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga (East), Mumbai-400019 India
15h30 - 15h50 ☺	C25. Development of Unique Process for Endotoxin Removal from Crude Feedstocks_ Chatterjee Mandrita, Kale Sandeep*, Bhoji Abijar and Lali Arvind Bioprocessing group, DBT-ICT-CEB, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga (East), Mumbai-400019, India
15h50 - 16h30	Coffee break & Poster Session
16h30 - 18h50	PERKIN ELMER WORKSHOP, by Dr. Ilse Klein "Accelerating your Research – How to use the LabChip GXII for High Throughput Analysis of Nucleic Acids, Proteins and Glycans" ----- WATERS WORKSHOP, by Dr. David LASCOUX "H Class Bio workshop: overcome your separation's challenges with H Class BIO capabilities".

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20h 30	SBNC 2012 GALA DINNER Café du Port restaurant – City Centre of Bordeaux http://www.sbcn2012.com/gala-dinner
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FRIDAY 26 OCTOBER 2012	
Session 6 : Environmental	
9h00 - 9h50	PL9. New Approaches for Evaluating Environmental Exposures : The Exposome Dr Cécile CREN-OLIVE, <i>Central Service of Analysis CNRS, Solaize, France</i>
9h50 - 10h20	C26. Recent developments on the application of comprehensive two-dimensional liquid chromatography in environmental research: resolving complex biogenic organic mixtures Regina M.B.O. Duarte, A.C. Barros, Armando C. Duarte <i>Department of Chemistry & CESAM, University of Aveiro, Campus Universitário de Santiago, 3810-193 Aveiro, Portugal</i>
10h20 - 10h40 ☺	C27. Application of bioanalytical approach (EDA, Effect-Directed Analysis) for the identification of toxic compounds in complex mixture C. Gardia Parege ¹ , M-H. Dévier ¹ , N. Creusot ² , S. Ait-Aïssa ² , H. Budzinski ¹ ¹ EPOC-LPTC, UMR 5805 CNRS, Université Bordeaux 1, 351 cours de la libération, 33405 Talence cedex, France ; ² INERIS, Unité Ecotoxicologie in vitro et in vivo, Parc ALATA, BP2, 60550 Verneuil-en-Halatte, France
10h40 - 11h10	Coffee break & Poster Session
11h10 - 11h30	International bioseparation contest for young scientists 2012 VIJI AWARD SBCN 2012
Session 7 : new concept & methods	
11h30 - 12h10	PL10. Hollow Fiber Field Flow fractionation: a new concept for protein separations and aggregates characterization and purification Professor Philippe CARDOT <i>University of Limoges, Limoges, France</i>
12h10 - 12h30	C28. Monoclonal antibody purification: new purification platforms and disposable tools for process development and manufacturing development and manufacturing Steven Strubbe, Aurore Lahille, David Delvaile <i>MERCK BIODEVELOPMENT, 1 rue Nicolas Bremontier, 33 650 Martillac, France</i>
12h30 - 12h40	Conclusion
12h40 - 14h00	Lunch

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