

AdBIOPRO Symposium - Bioproduction of Therapeutic Biologics

AlbaNova 10th of June 09:30 to 17:40 and 11th of June 08:30 to 11:35, 2024

DAY 1 - JUNE 10

09:30 - 10:00	Welcome and registration (coffee)
10:00 - 10:15	Welcome and Introduction, Véronique Chotteau, Director of AdBIOPRO
Chair Assoc. Prof. Veronique Chotteau, KTH	
10:15 - 10:40	A novel in-line sensor system for real-time bioprocess monitoring - Erik Martinsson, ArgusEye
10:40 - 11:05	Economic modelling of magnetic bead-based mAb manufacturing - Nils Brechmann, MAGic Bioprocessing
11:05 - 11:30	Exploring bioprocess operation modes for the expansion of human Mesenchymal Stromal Stem cells - Johanna Pechan, Department of Industrial Biotechnology, KTH
11:30 - 11:55	Towards an understanding of donor-to-donor heterogeneity in <i>in vitro</i> Natural Killer cell production - Brian Ladd, Department of Industrial Biotechnology, KTH
11:55 - 13:25	Lunch and poster session
Chairs Prof. Elling Jacobsen and Håkan Hjalmarsson, Decision and Control Systems, KTH	
13:25 - 13:50	Metabolome data for improvement of CHO-cell based bioproduction process performance - Meeri Mäkinen, Department of Industrial Biotechnology, KTH
13:50 - 14:15	Model-based optimization of culture medium for CHO cell perfusion culture - Mirko Pasquini, Department of Decision and Control Systems, KTH
14:15 - 14:40	Transcriptomics-guided genome scale modeling of the kinetics of CHO cells under perfusion culture - Kévin Colin, Department of Decision and Control Systems, KTH
14:40 - 15:05	Heterogeneity in a Adeno-associated virus transfection-based production process, limits the production efficiency - Sofia Tunmats, Department of Industrial Biotechnology, KTH
15:05 - 15:35	Coffee break
Chairs Prof. Sophia Hober, Protein Technology, KTH and Prof. Bernt Nilsson, Chemical Engineering, Lund University	
15:35 - 16:00	Development of small binders for biotechnological applications - Sophia Hober, Department of Protein Technology, KTH
16:00 - 16:25	Novel affinity resin: bispecific and fragment antibody purification in focus - Moumita Ghosh Laskar, Cytiva
16:25 - 16:50	A scalable single-use two step plasmid purification process - Hans Blom, Cytiva
16:50 - 17:15	Purification of biopharmaceuticals on electro-responsive brushes - Armaghan Romiani/Hanna Tranchell, Nyctea Technologies
17:15 - 17:40	The Mini, a small Any-Use centrifuge, it's challenges and possibilities - Peter Thorwid, Alfa Laval
17:40	Mingle and Dinner

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DAY 2 - JUNE 11

08:30 - 09:00	<i>Start of day 2 - Coffee is served</i>
	Chair Assoc. Prof. Pontus Blomberg, Karolinska Cell Therapy Center, Karolinska University Hospital and Prof. Torbjörn Gräslund, Protein Science, KTH
09:00 - 09:40	Bioprocesses for human pluripotent stem cells culture, lineage-directed differentiation and application for heart repair - Robert Zweigerdts, Department of Cardiac, Thoracic, Transplantation and Vascular Surgery, Hannover Medical School, Germany
09:40 - 10:05	Integration of stem cell-derived pancreatic aggregates into FN-silk network for <i>in vitro</i> maturation - Kelly Blust, Department of Protein Technology, KTH
10:05 - 10:45	<i>Coffee break</i>
10:45 - 11:10	Cellevat3d™ nanofiber-based microcarriers designed for improved upstream productivity of viral vector biomanufacturing - Laura Chirica, CEO, Cellevate
11:10 - 11:35	Environmental sustainability and bioprocessing - Alois Jungbauer, University of Natural Resources and Applied Life Sciences (BOKU)
11:35 - 12:30	<i>Lunch</i>
	<i>End of AdBIOPRO Symposium 2024</i>
13:30 - 17:30	AdBIOPRO Scientific Advisory Board meeting (restricted to AdBIOPRO members)
17:30 - 18:00	AdBIOPRO Centre Board meeting (restricted to AdBIOPRO Centre Board members)
<p>Please register at: https://axacoair.se/go?torQFyz7</p>	