

<b>Title</b>	<b>Name</b>	<b>Location</b>	<b>Poster Number</b>
Pickering emulsions for efficient lipase catalysed synthesis of peracids as a precursor for epoxidation of alkenes	Lemuel Adomi	Ground floor, next to the registration desk	A1 ID 86
Simplifying mRNA vaccine manufacturing by using immobilised enzymes during in vitro transcription reactions	Georgia Taylor	Ground floor, next to the registration desk	A2 ID 241
Continuous synthesis of furfurylamine in a falling film microflow reactor with integrated product separation	Marko Božinović	Ground floor, next to the registration desk	A3
Evaluation of Lipid-Nanoparticle Stability after Pump-induced Processing	Nicole Beckert	Ground floor, next to the registration desk	B2 ID 131
Pichia expression platform design for biopharmaceutical protein production	Elena Antonov	Ground floor, next to the registration desk	B3 ID 133
Strategies for Preservative Loss in Pharmaceutical Manufacturing: Study of Phenol Diffusion in Silicone Tubing	Jinyuhan Wang	Ground floor, next to the registration desk	B4 ID 138
Design, simulation, and economics of a manufacturing process for mesenchymal stromal cell (MSC) and their extracellular vesicles (MSC-EV)	Ricardo Silva	Ground floor, next to the registration desk	B5 ID 141
Understanding the reconstitution of pharmaceutical protein powders	Teodor Manne De Val Weywadt	Ground floor, next to the registration desk	B6 ID 142
Improving Monoclonal Antibody Manufacturing: Experimental Insights into Membrane Selection for Single-Pass Tangential Flow Filtration (SPTFF)	Johann Kaiser	Ground floor, next to the registration desk	B7 ID 145
Development of an integrative dynamic model associating morpho-rheological patterns of bioprocesses with filamentous microorganisms	Leonie Schumann	Ground floor, next to the registration desk	B8 ID 151
Selecting and cultivating photosynthetic microorganisms in anaerobic digestion effluent from agricultural waste for bioplastic production	Eirini Sventzouri	Ground floor, in front of the elevators	B9 ID 211

Innovative and circular growth of <i>Chlorella vulgaris</i> mutants feeding with grass fiber residues toward food applications	Sonia Mohamadnia	Ground floor, next to the registration desk	C1 ID 159
Proteomic analysis between industrial-scale and laboratory-scale fermentations of a 2'-Fucosyllactose producing <i>Escherichia coli</i> strain	Rugile Labunskaitė	Ground floor, next to the registration desk	C10 ID 254
A broad-host-range expression platform to facilitate chassis screening	Ácil Will	Ground floor, next to the registration desk	C11 ID 179
Iron(III) cross-linked hydrogels based on <i>Alteromonas macleodii</i> Mo 169 exopolysaccharide	Patrícia Concórdio-Reis	Ground floor, next to the registration desk	C2 ID 160
Investigating the growth kinetics of acidophiles isolated from arsenic-bearing waste	Halina Maniak	Ground floor, next to the registration desk	C3 ID 163
Investigating pH fluctuations as factor deteriorating large-scale performance of industrial relevant prokaryotic strain	Gennaro Avolio	Ground floor, next to the registration desk	C4 ID 174
Enhancing Bioprocess Development Through an Integrated Robotic Minibioreactor Platform: Bridging the Gap Between High Throughput Screening and Industrial Scale-Up	Rosa Hassfurther	First floor, left corner	K14 ID 273
Phage-free and scalable mass production of artificial single-stranded DNA with <i>Escherichia coli</i>	Nathalie Hafner	Ground floor, next to the registration desk	C6 ID 189
Production of a HA-like polysaccharide by <i>Vibrio</i> sp. Mo 245 using glycerol as sole carbon source	Beatriz Almeida	Ground floor, next to the registration desk	C7 ID 197
Exploring Lignolytic Bacteria Potential for Enhanced Lignin Valorization	Bhukrit Ruengsrichaiya	Ground floor, next to the registration desk	C8 ID 199
Dynamic modelling of pH over time in known chemical systems using scientific computing methods	Peter Carstensen	Ground floor, next to the registration desk	C9 ID 204
Developing as Hybrid Modelling Strategy to Predict Crystal Size Distribution for Reducing CO2 Footprint	Mohammadreza Boskabadi	Ground floor, next to the registration desk	D1 ID 1

Understanding stickiness of protein formulations, from Lab to Process	Alexander Findeisen	Ground floor, next to the registration desk	D2 ID 79
Effect of dynamic rheology on the gas bubble size distribution at 180 L pilot scale	Emilie Overgaard Willer	Ground floor, next to the registration desk	D3 ID 81
Cleaning in Place of whey protein fouling: a mechanistic model of mass removal rate in dairy systems	Yimin Zhang	Ground floor, next to the registration desk	D4 ID 127
CFD modelling of a mixing tank of 200L for fully formulated biologics solutions	Stephanie Lemoult	Ground floor, next to the registration desk	D5 ID 128
Production, characterization, and modification of biopolymers for application in zinc-based batteries	David Lammers	Ground floor, in front of the elevators	E1 ID 225
Hybrid modelling for prediction of the biopolymer based mixed matrix membrane performance in gas separation	Clara Casado-Coterillo	Ground floor, in front of the elevators	E2 ID 227
Sustainable PHBV extraction from MMC biomass using Natural Deep Eutectic Solvents (NADESs)	Yannick Patrice Didion	Ground floor, in front of the elevators	E3 ID 229
Helix Lab Research and Education Center, Kalundborg	Anette Birck	Ground floor, in front of the elevators	F1 ID 64
The value of a Designer in Bioprocess Engineering	Joana Pereira	Ground floor, in front of the elevators	F2 ID 126
Probiotics derived from circular feedstock via lactic acid bacteria and yeast fermentation	Stanislav Rudnyckyj	Ground floor, in front of the elevators	FBM1
Developing a kinetic model for the metabolism of Escherichia coli	Ruo-Xian Zhou	Ground floor, in front of the elevators	FBM11
FermentDB: A Database for High-cell Density Fermentations	Txell Amigó	Ground floor, in front of the elevators	FBM12
Holistic process understanding and intensification of the Ltyrosine production in E. coli	Mykhaylo Semenov Petrov	Ground floor, in front of the elevators	FBM13
Machine Learning for Advanced Growth Media Optimization with a Fully Automated Microbioreactor	Frédéric M. Lapierre	Ground floor, in front of the elevators	FBM2

Assessing the physiological, regulatory and gene expression changes affecting global microbial metabolism upon fermentation process upscaling: a multi-omics study	Laura García Plaza	Ground floor, in front of the elevators	FBM3
Extraction of intracellular green fluorescent protein from Escherichia coli with hydrophobic deep eutectic solvents	Tjalling Gijsbert Tjalsma	Ground floor, in front of the elevators	FBM4
The saltier, the better: a deep look into salt stress tolerance in yeast through adaptive laboratory evolution	Pablo Torres-Montero	Ground floor, in front of the elevators	FBM5
Optimal feed rate to induce Crabtree effect	Julian Kager	Ground floor, in front of the elevators	FBM6
Use of cpGFP to monitor the real-time signal response of bacterial stress during fermentation processes	Della-Rosa, M.E.	Ground floor, in front of the elevators	FBM7
Laerke.eu: An Online Pressure Sensor System for Monitoring Gas Formation and Consumption in Vials	Borch M M	Ground floor, in front of the elevators	FBM8
Evaluating the Capability of Mid-Infrared Spectroscopy for Real-Time Prediction of Substrate and Metabolite Concentrations in Fermentation Processes	Maria Eleni Mazaraki	Ground floor, in front of the elevators	FBM9
Quantifying Microalgal Growth and Viability: A Machine Learning-based Framework Utilizing HSV-Transformed Microscopic Images	Shabnam Shahhoseyni	Ground floor, in front of the elevators	G1 ID 6
Monitoring of Bioprocesses using Explainable Machine Learning	Theresa Scharl	Ground floor, in front of the elevators	G2 ID 7
Applying an MPC algorithm to the dissolved oxygen level of an intermittent fed-batch process	Philipp Pably	Ground floor, in front of the elevators	G3 ID 11
HYBpy: A Python tool for hybrid modeling bioprocesses	Rafael Costa	Ground floor, in front of the elevators	G4 ID 17
Mathematical modelling of the Oxygen Transfer Rate (OTR) as a first step towards the development of a digital twin	Marc Lemperle	Ground floor, in front of the elevators	G5 ID 101
Solving Chromatography models in CADET-Julia	Jesper Frandsen	Ground floor, in front of the elevators	G6 ID 106
DNS of an extreme case of a plate with holes as inlet for a bubbly gas-liquid photobioreactor	Brais Martínez López	Ground floor, in front of the elevators	G7 ID 110
A Dynamic PCA-Transformer Reduced Order Model for Transient Solid-Liquid Mixing in Stirred Tanks	Yu Jiang	Ground floor, in front of the elevators	G8 ID 261

A Novel Digital Tool for Scaling, Optimizing, and Controlling Bioreactors – Rapid Transfer from Lab to Production Floor	Christian Witz	Ground floor, in front of the elevators	G9 ID 262
Hybrid semi-parametric Modelling vs Physics-informed Neural Network: A Comparative Study Applied for Bubble Column Aeration	Peter Jul-Rasmussen	Ground floor, in front of the elevators	G10 ID 108
Mathematical modelling of granulation processes for the manufacturing of biochemical products	Nikolai A. Jessen	Ground floor, in front of the elevators	G11 ID276
Dynamic modelling of microalgae photosynthesis for growth rate predictions under flashing light condition	Alvaro Pazo Vila	Ground floor, in front of the elevators	G12 ID 277
Microfluidic Filtration Device for High Throughput Vaccine Process Development	Nusrat Jahan	First floor, left corner	H1 ID 60
Bioprocess Microfluidics 2.0: Towards Standardised Microfluidic Platforms for Application in Bioprocessing	Nicolas Szita	First floor, left corner	H10 ID 120
Novel Fusion Proteins for Identifying Preferred CAR-T Cells	William Kelly	First floor, left corner	H11 ID 122
Multi-Objective Optimization and Time-scale Analysis for the Production of Valuable Products in Gas Fermentations	Deborah Pfaff	First floor, left corner	H12 ID 123
Hydrodynamics in FAST Bioreactors	Luuk van Der Wielen	First floor, left corner	H13 ID 124
Effect of Freeze Drying Process on Surface-driven Properties of Bacterial Cells	Hamed Nasri Lari	First floor, left corner	H14 ID 217
Effect of the Freeze-Thaw Method on the Extraction and Purity of Phycocyanin from Cyanobacterial Biomass	Konstantinos Pispas	First floor, left corner	H15 ID219
Bio-refining of Bacterial Biomass for Astaxanthin Recovery:	Marco Bravi	First floor, left corner	H16 ID 220
Advancing Bioprocessing with Continuous Microfluidic Platforms	Raquel Aires-Barros	First floor, left corner	H2 ID 61
Isolation and quantification of alginate in choline chloride-based deep eutectic solvents	Wimar Reynaga Navarro	First floor, left corner	H3 ID 70
Optimizing productivity of Capture SMB processes using an iterative process design approach	Matthias Wiendahl	First floor, left corner	H4 ID 72
Hybrid Technology as a Solution for Biomanufacturing Challenges	Getachew S. Molla	First floor, left corner	H5 ID 75
Understanding Variation on an Industrial <i>Aspergillus oryzae</i> Fermentation Process - A Study Across Scales	Mariana Albino	First floor, left corner	H6 ID 113
Development of computational tools for modelling and scale-up of industrial bioreactors	Dale McClure	First floor, left corner	H7 ID 114

Unraveling the single cell behavior of <i>Escherichia coli</i> producing L-phenylalanine in a scale-down bioreactor by automated real-time flow cytometry analysis of multiple fluorescences	Prasika Arulrajah	First floor, left corner	H8 ID 115
Development of a Pressurized Bioprocess for Psilocybin Production in <i>Aspergillus Nidulans</i>	Sophie Weiser	First floor, left corner	H9 ID 117
Accelerating AI-Model Development for Bioprocess Analysis Through Raman Spectroscopy and Innovative Design of Experiments	Joerg Weber	First floor, left corner	I1 ID 238
Scaling up the production of natural compounds in <i>Streptomyces</i> using systems biology approaches	Sebastian Brockmann	First floor, left corner	I2 ID 264
Dynamic prediction of nitrous oxide emissions in a full-scale industrial wastewater treatment plant using a plant-wide model approach	Tianyu Lei	First floor, left corner	J1 ID 25
A Continuum Transport Model of Monospecies Biofilm-particulate interactions	Raghu Krishna Moorthy	First floor, left corner	J2 ID 26
Deciphering the key CAZymes secreted by <i>Pleurotus floridanus</i> FBCC 469, cultivated in a liquid-state surface fermentation utilizing an agro-industrial side stream.	Prajeesh Kooloth Valappil	First floor, left corner	J3 ID 268
Characterization and Valorisation of Cork By-Products for Sustainable Applications	Lara Campos	First floor, left corner	K1 ID 39
High throughput optimization of cyanobacterial processes in novel cultivation devices	Leon Poduschnick	First floor, left corner	K10 ID 55
Continuous extraction of VFAs produced during dark fermentation of food wastes using submerged anaerobic membrane bioreactor	Jean-Sébastien Guez	First floor, left corner	K11 ID 57
Water Purification and Selective Recovery of Metals from Industrial Effluents and Natural Waters Contaminated with Non-Degradable Heavy Metallic Ions	Aleksandar Mitic	First floor, left corner	K12 ID206
Brewer's spent grain as a single source feedstock for sustainable lactic acid production	Burcu Akkoyunlu	First floor, left corner	K13 ID 210
Towards Carbon Neutrality: Early-Stage Assessment of Zero Emission Biotechnologies	Gijs Brouwer	First floor, left corner	K2 ID 41
Optimized enzymatic hydrolysis of <i>Cynara cardunculus</i> and <i>Arundo donax</i> biomass	Adriana Posilipo	First floor, left corner	K3 ID 42
High-rate production of isobutyric and n-butyric acid from H <sub>2</sub> and CO <sub>2</sub> in a hollow-fibre membrane biofilm reactor: operation and process modelling	Quinten Mariën	First floor, left corner	K4 ID 43
Animal by-product streams as complex carbon and nitrogen sources for polyhydroxyalkanoate production	Saskia Waldburger	First floor, left corner	K5 ID 45
Performances of an immobilized recombinant thermostable carbonic anhydrase as biocatalyst for CCU processes.	Maria Elena Russo	First floor, left corner	K6 ID 47

Finding Potential Valorisation Routes for the Production of Bioproduct from Potato Peels	Lucas Van Der Hauwaert	First floor, left corner	K7 ID 49
Online Monitoring of the Polyol Lipid Liamocin accelerates Development of Novel Biosurfactant Production Process	Max Dicke	First floor, left corner	K8 ID 50
Harnessing Ocean Water for Sustainable Cellulose Biomanufacturing	Divya Dharshini Uma Shankar	First floor, left corner	K9 ID 53H
Impact of yeast fermentation on the functional properties and chemical composition of defatted ( <i>Vicia villosa</i> ) flour	Negin Yousefi	First floor, left corner	L1 ID 30