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30 November 2026: Keynote, Investor Pitches, Informal Walking Dinner					**Exhibition in Catering Area**
13:00		Registration and Coffee			
13:30		PART 1: Successful Deployment of Industrial Biotechnology Business Cases			
14:35		PART 2: Panel Discussion 2: The 2026 Toolbox: Will it Turn the Tide for the Bioeconomy Sector?			
15:35		Investor High Tea – *kindly offered by Flanders Investment and Trade*			
16:10		Investor Reverse Pitch Session 1: The Corporate Investors POV			
17:15		Investor Appetite Drink – *kindly supported by Brabantse Ontwikkelings Maatschappij*			
17:45		Investor Reverse Pitch Session 2: The VC POV			
Matchmaking Satellite 4 & 6	**19:00 – 23:00**	Informal Walking Dinner – *kindly supported by Bio-based Industries Consortium* Speed dating sessions Pre-booked 1-on-1 Matchmaking Sessions			
1 December 2026: Pitching, Matchmaking and Networking Event					
Matchmaking Satellite 4, 6 and 7	**08:00**	Registration and Coffee			
	Parallel Sessions				
	09:00	**Pitch Session 1a & 1b**	**Pitch Session 2a & 2b**	**Pitch Session 3**	
	10:30	Coffee and Networking Break			
	11:00	**Pitch Session 4**	**Pitch Session 5a & 5b**	**Pitch Session 6a & 6b**	
	13:00	Lunch and Networking Break			
	15:00	**Pitch Session 7**	**Pitch Session 8a & 8b**	**Pitch Session 9**	
	Plenary Closing Session (Atrium)				
	17:00	Summary of the Day *by* ***Stef Denayer, Pilots4U***			
	17:10	Networking Drink			

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Co-organisers: Pilots4U, THE PROTEINNCLUB, BOM, FLANDERS INVESTMENT & TRADE, ghent:, DI Biosolutions, planet b.io, British Embassy Brussels

	Pitch Room GALAXY I	Pitch Room GALAXY II	Pitch Room GALAXY III
09:00 – 10:30	Pitch Session 1: START-UPS/SMEs LOOKING FOR **EARLY (1a) and LATE (1b) FINANCE: AG TECH** *Moderator: Mikael Wraae Valsted, Head of DI Biosolutions* *Timekeeper: Zsófia Kádár, Bio Base Europe Pilot Plant*	Pitch Session 2a: START-UPS/SMEs LOOKING FOR FINANCE – **SERIES A AND SERIES B/C FUNDING: PROTEINS AND FOOD INGREDIENTS** *Moderator: Julie Vanderstraeten (Bio Base Europe Pilot Plant) for The ProteInn Club* *Timekeeper: Karen Verstraete (ILVO Food Pilot) for The ProteInn Club*	Pitch Session 3: **TO-BE-START-UPS LOOKING FOR FINANCE** (pre-seed, angel, seed) *Moderator: Esthèle Goure, Scale-up Accelerator Responsible, Bio Base Europe Pilot Plant* *Timekeeper: Emma Cremelie, Bio Base Europe Pilot Plant*
09:00	**Introduction by session moderator**	**Introduction by session moderator**	**Introduction by session moderator**
09:04 – 09:11	**Bacteriophages as new biocontrol agents against bacterial threats (EARLY, low TRL)** **Eva Moerman, Phagelynx, BE** *Keywords: (F) bacteria, genomics; (EP) bacteriophages, AI-platform; (T) fermentation, machine learning*	**Margaret rising: scaling animal-free casein into a next-generation protein platform** **Hille van der Kaa, Those Vegan Cowboys, BE** *Keywords: (F) agricultural feedstocks; (EP) casein, protein; (T) precision fermentation*	**The Scale-up Accelerator Network - getting external mentoring to prepare for the bumpy "valley-of-death" ride** **Esthèle Goure, Bio Base Europe Pilot Plant, BE** *Keywords: (F) all; (EP) all; (T) industrial biotechnology*
09:12 – 09:19	**Athanor: Dual-effect biostimulant from insect side-stream hydrolyzate (low TRL, part of ToBeReal BioPitch Forum)** **Erik Nickman, Athanor, SK** *Keywords: (F) insect-farming side-streams; (EP) liquid biostimulant; (T) enzymatic hydrolysis*	**Enhanced Casein: Precision fermentation for Europe's resilient protein supply** **Maria Scharfe, Formo Foods, DE** *Keywords: (F) multiple carbohydrates; (EP) recombinant casein; (T) precision fermentation*	**Cofactor mimics: making oxidoreductase biocatalysis cheaper, simpler and scalable** **Allison Wolder, Tulip Enzyme Solutions, NL** *Keywords: (F) terpene substrates; (EP) fragrance ingredients; (T) cofactor mimics*
09:20 – 09:27	**A biodegradable antifreeze spray for affordable crop frost protection (EARLY)** **Murli Manohar, CryoBio, US** *Keywords: (F) glucose; (EP) polypeptide, proteins; (T) precision fermentation*	**Uniprotein®: Protein from Methane at Industrial Scale** **Jens Dynesen, Unibio, DK** *Keywords: (F) methane; (EP) single-cell protein (SCP); (T) gas fermentation*	**ProEvo: Exciting chemistry made boring** **Holly Corbett, ProEvo, DE** *Keywords: (F) organic molecules; (EP) specialty chemicals; (T) enzyme engineering*
09:28 – 09:35	**Novel fermentation-based fungicide (EARLY)** **Kristian Ebbensgaard, Zaphe, DK** *Keywords: (F) glucose; (EP) bio-fungicide, agriculture; (T) fermentation*	**BioSolutions for decarbonization** **Susanne Palsten Buchardt, ALGIECEL, DK** *Keywords: (F) microalgae, CO2; (EPmarine ingredients; (T) photobioreactor*	**ChemPlat: Turning organic residues into high-value chemicals** **Filip Brodowski, ChemPlat Biochemicals, PL** *Keywords: (F) organic residues; (EP) platform chemicals; (T) mixed-culture fermentation*

09:36 – 09:43	**B-COS: We help crops defend themselves the way nature intended (EARLY - part of ToBeReal BioPitch Forum)** **Chiara Guidi, B-COS, BE** *Keywords: (F) glucose; (EP) single-compound chito-oligosaccharides; (T) precision fermentation*	**How can we reduce sugar in food without replacing the sugar?** **Joshua Sauer, Zya, GB** *Keywords: (F) glucose, methanol; (EP) enzyme ingredient; (T) precision fermentation*	**MULTICARBONIX: from emissions to chemicals** **Marika Zegers, MULTICARBONIX, NL** *Keywords: (F) CO2; (EP hexanoic acid; (T) microbial electrosynthesis*
09:44 – 09:51	**From medical to agricultural use, a substance that could revolutionize crop protection (EARLY)** **Enrico Montanaro, Agreen Biosolutions, IT** *Keywords: (F) vegetable oils; (EP) ozonated oil; (T) gas-liquid reaction*	**From forest to fork and folks** **Marja Jaurakkajärvi, Boreal Bioproducts, FI** *Keywords: (F) wood side-streams; (EP) polysaccharides; (T) PHWE*	**Scaling the economics of performance-designed bioactives** **Nikola Lashley, SURSUM BIO (formerly Crobe Renewables), GB** *Keywords: (F) brewery wastewater; (EP) performance-enhanced bioactives; (T) fermentation*
09:52 – 09:59	**Unlock the full potential of biologicals (EARLY)** **Marco Illich, Altered Materials, IT** *Keywords: (F) biopolymers, biologicals; (EP) encapsulation; (T) nano-capsule, micro-capsule*	**Fermentation for multifunctional ingredient** **Dimitri Zogg, Cosaic, CH** *Keywords: (F) glucose, sugar; (EP) multifunctional ingredient; (T) biomass fermentation*	**Advancing bioconjugation with enzymatic precision** **Davide Carraretto, Enzura Biotech, NL** *Keywords: (F) recombinant proteins; (EP) protein conjugates; (T) enzymatic bioconjugation*
10:00 – 10:07	**Preventive antifreeze solutions for frost protection in fruit cultivation (EARLY)** **Laure Craeye, W'Ice, BE** *Keywords: (F) fermentation medium; (EP) antifreeze biostimulant; (T) freeze inhibitors*	**XGOS - Reduces feed cost and increases health in poultry. Only scale up needed for market introduction** **Albrecht Läufer, aspratis, DE** *Keywords: (F) xyloglucane crops; (EP) defined xylooligosaccarides; (T) enzymatic hydrolysis*	**Syre Bio: a degradable chelant for pulp bleaching, made from wood sugar** **Matthew Thompson, Syre Bio, SE** *Keywords: (F) wood sugar; (EP) chelator, enzymes; (T) pulp bleaching*
10:08 – 10:15	**Unlocking the power of encapsulated dsRNA in agriculture (LATE)** **Georg Schaumann, SenseUP, DE** *Keywords: (F) renewable resources; (EP) dsRNA biopesticides; (T) precision fermentation*	**Resilient bacterial single-cell protein from CH4 for feed and food: moving to our 5000L loop fermenter** **Maximilian Lackner, CIRCE Biotechnologie, AT** *Keywords: (F) biogas, power-2-gas; (EP) single-cell protein (SCP); (T) gas fermentation*	**MicBioMate: Animal-independent, intact keratins for next-generation cosmetic formulations** **Giovanni Davide Barone, MicBioMate, AT** *Keywords: (F) biobased; (EP) keratins; (T) precision fermentation*
		Pitch Session 2b: **MICROBIAL PROTEIN & OIL** transition players	
10:16 – 10:23	**Mycoverse, enabling the green transition of agriculture (LATE)** **Niels Bjerg Jensen, Mycoverse, DK** *Keywords: (F) grains; (EP) biofungicide; (T) fungal fermentation*	**Tune up oil production using fungi** **Marcel Mann, LipiTune, DE** *Keywords: (F) side-streams; (EP) tailor-made oils; (T) precision fermentation*	**Enabling an era of post-metal-scarcity** **Leon Reuter, Solubind, DE** *Keywords: (F) industrial wastes; (EP) metal compounds; (T) proteins*

10:24 – 10:31	**Biologicals revolutionizing the control of bacterial crop diseases (LATE)** **Oliver Thimm, Landman.Bio, BE** *Keywords: (F) fermentation; (EP) crop protection; (T) bateriophages*	**High-efficiency recovery of microbial oils: from lab to pilot** **Elodie Vlaeminck, Bio Base Europe Pilot Plant, BE** *Keywords: (F) oleaginous microorganisms, oil-rich microbial biomass; (EP) microbial oils, triacylglycerols; (T) downstream processing*	**Sustainable bio-based plastics for industry** **Tobias Cors, Syntura, DE** *Keywords: (F) butanediol succinic-acid; (EP) polybutylensuccinate (PBS); (T) polymer synthesis*
10:32 – 10:39	**Novel biofungicides for cereals and potatoes** **Morten Andersen, Nordic microbes, DK** *Keywords: (F) plant-based; (EP) fermentation; (T) biofungicide, foliar crops*	**Beating the cost barrier: Engineering microbes to reach price parity for bulk protein production** **Daniel Heid, Picea Biosolutions, DE** *Keywords: (F) carbohydrates, 2G; (EP) proteins, enzymes; (T) precision fermentation*	**Leading the transition from toxic chemistry to sustainable biology in heavy industry** **Fumi Lesné-Akiyama, Nemean BioLabs, NL** *Keywords: (F) bacteria; (EP) coating; (T) genetic engineering*
10:40 – 10:47	**Biochar for soil improvement and carbon storage (LATE - Part of the ToBeReal BioPitch Forum)** **Bart Van Herreweghe, PicoChar, PT** *Keywords: (F) Pittosporum undulatum; (EP) biochar; (T) pyrolyse*	**Unlocking dairy with the world's most advanced casein platform** **Nathalie Rolland, Nutropy, FR** *Keywords: (F) sugar; (EP) casein, dairy; (T) precision fermentation*	**HyprChar: a fungal fire-retardant additive for engineered wood** **James Ferrier, Hyphera, NZ** *Keywords: (F) fungi, wood fibre; (EP) fermentation, industrial biotech; (T) fire-retardant additive, wood ingredients*

11:00 – 13:00	Pitch Session 4: START-UPS/SMEs LOOKING FOR FINANCE – **PRESEED/ANGEL/SEED FUNDING: PROTEINS, FOOD/FEED INGREDIENTS** *Moderator: Ingrid Nieweg, Investment Manager, Brabantse Ontwikkelings Maatschappij* *Timekeeper: Tanja Meyer, Bio Base Europe Pilot Plant*	Pitch Session 5a & 5b: START-UPS/SMEs LOOKING FOR FINANCE – **EARLY (5a) & LATE (5b): CHEMICALS incl. COLORANTS** *Moderator: Cindy Gerhardt, Managing Director, Planet B.io* *Timekeeper: Lena Decuyper, Bio Base Europe Pilot Plant*	Pitch Session 6a: START-UPS/SMEs LOOKING FOR **LATE FINANCE: POLYMERS & MATERIALS** *Moderator: Sasan Fouladi-Pour, Department for Business, Innovation, Science & Trade GB* *Timekeeper: Muriel Dewilde, Bio Base Europe Pilot Plant*
11:00	**Introduction by session moderator**	**Introduction by session moderator**	**Introduction by session moderator**
11:04 – 11:11	**NOIET: Fermentation-based clean-label ingredients from food by-products** **Lorenzo Paolini, NOIET, IT** *Keywords: (F) food by-products; (EP) clean-label ingredients; (T) microbial fermentation*	**Algae biorefinery platform: turning biomass into sustainable colours, proteins, and food ingredients (EARLY)** **Redwan Rahman, Brilliant Dyes, GB** *Keywords: (F) algae; (EP) pigments, proteins; (T) extraction, fixations*	**Beyond plastic: Scaling bio-based compostable films for Europe** **Angela Ivanova, LAM'ON, BG** *Keywords: (F) renewable biomass; (EP) compostable films; (T) reactive extrusion*
11:12 – 11:19	**Typo Foods: Tasty yeast protein** **Tue Rasmussen, Typo Foods, DK** *Keywords: (F) sugars, flexible; (EP) yeast, ingredient; (T) biotechnology, fermentation*	**The future of colour is alive (EARLY)** **Sarah Graham, Lite-1, CA** *Keywords: (F) agricultural waste; (EP) sustainable colourants; (T) precision fermentation*	**Production of FDCA with biotechnology (for biopolymers)** **Marc Lankveld, Tasseikan, NL** *Keywords: (F) sugar; (EP) FDCA; (T) biotechnology*
11:20 – 11:27	**Better-for-you sweetness, built on proteins** **Tabea Schröder, tasira, DK** *Keywords: (F) sugars, side-streams; (EP) sweet proteins; (T) fermentation, synbio*	**Pili: Industrialising fossil-free indigo (EARLY)** **Pauline Rullière, Pili, FR** *Keywords: (F) biomass, 2G sugars; (EP) dye, pigment; (T) microbial fermentation*	**Bio-based building blocks for recyclable polyurethanes and polyesters** **Roger Ottenheym, Mevaldi, NL** *Keywords: (F) renewable sugar; (EP) bio-based polyols; (T) bio thermochemical*
11:28 – 11:35	**MycoVibes Biotech: Turning agri-food side streams into high-value functional mycoprotein** **Katarzyna Nowak, MycoVibes Biotech, PL** *Keywords: (F) agri-food side-streams; (EP) functional mycoprotein; (T) submerged fermentation*	**Upcycling CO_2 into industrial microbial colours (EARLY)** **Dian-Jen Lin, Post Carbon Lab, GB** *Keywords: (F) captured CO2, wastewater nutrients; (EP) dye, pigment; (T) photosynthetic, microbial*	**Real leather, reinvented: Cultivating a $100B industry with better leather** **Michael Newton, Qorium, NL** *Keywords: (F) culture media; (EP) cultivated leather; (T) synthetic biology*
11:36 – 11:43	**Fermentify: Cost-effective egg yolk replacers** **David Sonneveld, Fermentify, NL** *Keywords: (F) standard sugars; (EP) egg-yolk replacer; (T) precision fermentation*	**LOOPVINE: Turning unsold fruit into bio-based cleaning products (EARLY - Part of the ToBeReal BioPitch Forum)** **Marko Kollarčík, etero, SK** *Keywords: (F) unsold fruit; (EP) cleaning products; (T) controlled fermentation*	**£15m Series A: the world's first computationally designed protein textile fibres** **James MacDonald, Solena Material, GB** *Keywords: (F) 2G; (EP) textile fibre; (T) protein design*

11:44 – 11:51	**From Beer to Bread** **Liisi Tampere, ÖSEEN, EE** *Keywords: (F) spent grain; (EP) flour (PHAs); (T) fermentation*	**Scottish biomass for global bio-chemical supply chains (EARLY - Part of the ToBeReal BioPitch Forum)** **Eve Wildman, RIPCELL, GB** *Keywords: (F) distillery biomass; (EP) bio-acids, energy; (T) separation, purification*	**Next-gen flexible materials for embellishment industries** **Fanny Deleage, Renature, FR** *Keywords: (F) agri coproducts; (EP) rubber, leather; (T) extrusion, tanning*
			Pitch Session 6b: START-UPS/SMEs LOOKING FOR FINANCE – **PRESEED/ANGEL/SEED FUNDING: SENSORS-AI-AUTOMATION**
11:52 – 11:59	**Better, cheaper, greener: liquid fava protein at industrial scale** **Katharina Pälchen, Fabas Foods, CH** *Keywords: (F) faba beans; (EP) functional protein; (T) extraction, bioconversion*	**Turning mixed waste into renewable chemicals (EARLY)** **Pierre Reitzer, 17Cicada, GB** *Keywords: (F) unrecyclable waste; (EP) specialty chemicals; (T) microbial biomanufacturing*	**Introduction by session moderator** ***Session Moderator: Diogo Pinto, Bio Base Europe Pilot Plant*** ***Timekeeper: Rakesh Nair, Bio Base Europe Pilot Plant***
12:00 – 12:07	**BioHeme: Redefining the future of bioactive nutrition** **Eskil Åhlin, Ironic Biotech, SE** *Keywords: (F) glucose; (EP) bioactive nutrient; (T) fermentation*	**From agrifood residue to high-value chemicals: ChainCraft's pathway to full scale production (EARLY)** **Anouk van der Windt, ChainCraft, NL** *Keywords: (F) agri-food residues; (EP) biobased fatty acids; (T) open-culture fermentation*	**CHITOSE's Integrated Biomanufacturing Platform (SuuKo): AI-Driven Bioprocess Optimization** **Tetsushi Kawai, CHITOSE Laboratory, JP** *Keywords: (F) any; (EP) any; (T) AI, sensors*
12:08 – 12:15	**Scaling European acorns into high-value ingredients and bio-based products** **Pedro Babo, LandraTech, PT** *Keywords: (F) acorns, side-streams; (EP) food ingredients; (T) fractionation*	**Lactic acid commercialisation in India based on a Dutch innovation (EARLY)** **Jules Rombouts, Nature's Principles, NL** *Keywords: (F) molasses; (EP) lactic acid; (T) fermentation biorefinery*	**Turnkey Raman analyzer for real-time chemical monitoring in bioprocessing** **Ata Atabaki, Perceptra Technologies, NL** *Keywords: (F) feedstock-agnostic; (EP) Raman analyzer; (T) Raman spectroscopy*
12:16 – 12:23	**A novel enzymatic approach for making wheat-based bread gluten-safe** **Ioannis Stasinopoulos, Prozymi Biolabs, CY** *Keywords: (F) wheat flour; (EP) enzymes, glutenases; (T) gluten-safe*	**PurePalette: High-performance bio-based pigments from precision fermentation (LATE - Part of the ToBeReal BioPitch Forum)** **Nick Milne, Octarine Bio, DK** *Keywords: (F) dextrose; (EP) bio-based pigments; (T) precision fermentation*	**Modular SPR platforms for process analytics** **Peter Hausler, SappZ, DE** *Keywords: (F) feedstock agnostic; (EP) biosensor devices; (T) optical biosensors*
12:24 – 12:31	**Better meat starts with fermented legumes** **Christian Dehlholm, MycoTech, DK** *Keywords: (F) legumes; (EP) hybrid meat; (T) fungal fermentation*	**OxFA, from biogenic residues to formic acid and methanol (LATE)** **Matthias Schmidt, OxFA, DE** *Keywords: (F) glycerin, residues; (EP) methanol, formic acid; (T) catalysis, platform chemistry*	**Run the best next experiment, every time: AI decision-making for bioprocess R&D** **Stefan Bostock, Danu Insights, GB** *Keywords: (F) agnostic; (EP) agnostic; (T) AI, ML*

12:32 – 12:39	**From gluten-containing cereal to gluten-free flour: Scaling bread free** **Azucena Martin, BREAD FREE, ES** *Keywords: (F) wheat; (EP) gluten-free flour; (T) biotechnology*	**Delivering a green discount for chemical manufacturing (LATE)** **Matthew Hodges, HydRegen, GB** *Keywords: (F) glucose, glycerol; (EP) specialty, bulk; (T) Bio2Amine, H2BioCat*	**Predictive biology in action: Transforming biomanufacturing with bitBiome's SENS-AI** **Ahir Pushpanath, bitBiome, JP** *Keywords: (F) any carbon; (EP) all bioproducts; (T) predictive AI*
12:40 – 12:47	**Multi-strain yeast for fermented beverages, foods, and flavors** **Leif Christian Hanstad, Enzyferm, NO** *Keywords: (F) fermentation medium; (EP) beverage, food; (T) multi-strain fermentation*	**One Pot, No Intermediate Isolation: Cell-Free Enzyme Cascades for Low-Cost Bio-Based FDCA (LATE)** **Ortwin Ertl, Annikki, AT** *Keywords: (F) glucose, sugar; (EP) FDCA, fructose; (T) cell-free biocatalysis*	**How to shorten product cycles in biomanufacturing with advanced data analysis (EARLY)** **Axel van 't Westeinde, Formical, NL** *Keywords: (F) na; (EP) software; (T) AI*
12:48 – 12:55	**Engineered enzymes to end alcohol intolerance** **Mikkel Precht, Alcolase, DK** *Keywords: (F) sugar, phospholipids; (EP) enzyme supplement; (T) enzyme encapsulation*	**Making Biosurfactants Mainstream by checkboxing tomorrows surfactants demands (LATE - Part of the ToBeReal BioPitch Forum)** **Sophie Roelants, AmphiStar, BE** *Keywords: (F) food waste; (EP) microbial biosurfactants; (T) industrial biotechnology*	**AI-guided enzyme engineering: choosing what to test next (EARLY)** **Kenny Helsens, Crane Bioworks, BE** *Keywords: (F) na; (EP) protein sequences; (T) protein engineering*
12:56 – 13:03	**Planet Ocean; a business case for balanced seafood & fish-like proteins** **Thijs Wullems, Monkeys by the Sea, NL** *Keywords: (F) plant-based, fermentation; (EP) biofunctional ingredients; (T) frozen food, semi-fabricates*	**Direct processing with betaprocess (LATE)** **Hans van Klink, Dutch Sustainable Development, NL** *Keywords: (F) sugar beets; (EP) industrial sugars; (T) DP + Beta*	**FishMatter: Connecting Blue Bioeconomy Side Streams to New Value Chains (Part of the ToBeReal BioPitch Forum)** **Ana Rita Araújo Ribeiro, B2E CoLAB, PT** *Keywords: (F) marine by-products; (EP) value chains; (T) AI matchmaking*
13:04 – 13:11	**VALOR-Map to modular biorefineries: Scaling food & drink side-stream value** **Vincent Farrelly, Niskus Biotec, IE** *Keywords: (F) agri-food side-streams; (EP) proteins, enzymes; (T) modular fermentation*	**Cost efficient green methanol from biogas (LATE)** **Pablo Espinar, D-CRBN, BE** *Keywords: (F) biogas; (EP) green methanol; (T) plasma conversion*	
13:12 – 13:19		**From biodiesel by-products to high-value chemicals: Scaling circular chemistry** **Olivier Enos, Deasyl, CH** *Keywords: (F) crude glycerol, biodiesel by-products; (EP) catalytic conversion; (T) solketal, triacetin*	

	Pitch Room GALAXY I	Pitch Room GALAXY II	Pitch Room GALAXY III
15:00 – 17:00	Pitch Session 7: START-UPS/SMEs LOOKING FOR FINANCE – **PRESEED/ANGEL/SEED FUNDING: POLYMERS & MATERIALS** *Moderator: Annick Verween, Head of biotope by VIB* *Timekeeper: Cat Huyer, Bio Base Europe Pilot Plant*	Pitch Session 8a & 8b: START-UPS/SMEs LOOKING FOR **EARLY (8a) and LATE (8b) FINANCE: COSMETICS, PERSONAL HYGIENE & HEALTH** *Moderator: Jasper Driessen, Senior Business Developer, Planet B.io* *Timekeeper: Pieter De Brabander, Bio Base Europe Pilot Plant*	Pitch Session 9: **NOVEL FERMENTATION** AND **NOVEL DOWNSTREAM PROCESSING INNOVATIONS** *Moderator: Jan Wauters, Science & Technology Counselor, Flanders investment & Trade* *Timekeeper: Jens Dedeyne, Bio Base Europe Pilot Plant*
15:00	**Introduction by session moderator**	**Introduction by session moderator**	**Introduction by session moderator**
15:04 – 15:11	**Enzyme platform for plastics sustainability** **Martin Hirschfield, ESTER Biotech, DE** *Keywords: (F) PET waste; (EP) PET Monomers; (T) enzymatic hydrolysis*	**Mastitia: The world's first microbiome-based mastitis prevention (EARLY)** **Emilie Glad Bak, Mastitia, DK** *Keywords: (F) human microbiome; (EP) prevention cream; (T) postbiotic strains*	**The intelligence engine for the bioeconomy: From fermentation data to predictive design** **Christian Spier, Differential Bio, DE** *Keywords: (F) growth media; (EP) biomass, metabolites; (T) robotics, AI*
15:12 – 15:19	**Bio-SAP: The next generation of bio-based superabsorbent polymers** **Giuseppe Landolfo, i-Foria Italia, IT** *Keywords: (F) recovered cellulose; (EP) BioSAP; (T) cellulose platform*	**CyanoCare: Novel algae ingredients for natural cosmetics (EARLY)** **Rita Mota, CyanoCare Natural Products, AT** *Keywords: (F) cyanobacteria, CO2; (EP) biopolymers, biomass; (T) photobioreactors, membrane-filtration*	**Geno-Writing-Engineered HOB Platforms: Accelerating carbon-negative biomanufacturing via core pathway optimization** **Kentaro Yanashima, Logomix, JP** *Keywords: (F) CO2, hydrogen; (EP) specialty chemicals, polymers; (T) genome engineering*
15:20 – 15:27	**Performance, Price and Planet: High-performance shielding materials without compromise** **Sebastian Beblawy, EveryCarbon, DE** *Keywords: (F) organic waste; (EP) performance polymers; (T) brownfield biomanufacturing*	**The fungal bioingredient flywheel (EARLY)** **Britta Winterberg, Mycolever, DE** *Keywords: (F) renewable feedstock; (EP) skin actives; (T) biodiscovery, fermentation*	**Biomixing, the new standard in agitation and aeration for bioreactors** **Ines Herrero, BIOMIXING, ES** *Keywords: (F) cell/microbial cultures; (EP) agitator aeration; (T) CFD, fluid-dynamics*
15:28 – 15:35	**Turning walnut shell waste into circular materials for the next generation of products** **Carla Guennewig, Nuterials, DK** *Keywords: (F) nutshell residuals; (EP) bio-composites, materials; (T) upcycling, compounding*	**Microalgal Glycogen: From fermentation to formulation (EARLY)** **Mariska van der Hoek, modAlgae, NL** *Keywords: (F) circular sugars; (EP) microalgal glycogen; (T) fermentation, filtration*	**Simplifying your seed train with ready-to-use starter cultures (Part of the ToBeReal BioPitch Forum)** **Melanie Reese, Swan Neck Bio, DK** *Keywords: (F) microbial strains; (EP) tarter cultures; (T) direct inoculation*

15:36 – 15:43	**Bio-designed molded packaging from non-wood fibers** **Alexander Sobolenko, Z1RO Industries, FR** *Keywords: (F) non-wood biomass; (EP) molded packaging; (T) fiber engineering*	**Engineering the future with bacterial exopolysaccharides: Driving the next generation of multifunctional ingredients (LATE)** **Isabel Alvarez-Martos, Cellugy, DK** *Keywords: (F) plant sugars; (EP) rheology modifier; (T) fermentation*	**BacLyte: A simple culture additive for more fermentation output at lower cost (EARLY)** **Andrew Lee, Lytegro, GB** *Keywords: (F) waste bananas; (EP) growth enhancers; (T) microbial boosters*
15:44 – 15:51	**Microbial binders for low-emission structural building materials** **Jakob Sieder-Semlitsch, Building With Microbes, DK** *Keywords: (F) carbonated concrete; (EP) sustainable masonry; (T) biomineralised mycelium*	**A standardized biochemical production platform for heterologous peptides and proteins (LATE)** **Jitin Bali, Numaferm, DE** *Keywords: (F) bacterial fermentation; (EP) proteins biopharmaceuticals; (T) fermentation, DSP*	**Low intensity pulsed ultrasounds to enhance fermentation productivity** **Pierfrancesco Mazzolini, Yeastime, IT** *Keywords: (F) agnostic; (EP) fermentation capacity; (T) low-intensity ultra-sounds*
15:52 – 15:59	**Bloom Biotech: Turning microalgae into premium materials for fashion** **Pedro Vicente, Bloom Biotech, BE** *Keywords: (F) microalgae biomass; (EP) leather-like material; (T) bioprinting technology*	**Developing a more sustainable, ethical, animal-free heparin (LATE)** **Ilaria Poledri, ExCulture, NL** *Keywords: (F) secondary (wastewater); (EP) heparin; (T) microbial extraction*	**Turning industrial CO_2 into high-value biomass** **Martin Lawton, Carbon Harvest, GB** *Keywords: (F) off-gas microalgae; (EP) polymers, materials, chemicals; (T) novel bioreactor*
16:00 – 16:07	**Biomanufacturing of advanced materials from renewable feedstocks** **Ryan Cardiff, C1 Bio, US** *Keywords: (F) crude glycerol; (EP) advanced materials; (T) fermentation*	**Unlock the best properties of novel biologics with plug-in precision glycan control. (LATE)** **Thomas Rexer, eversyn, DE** *Keywords: (F) abundant sugars; (EP) nucleotide sugars; (T) cell-free biocatalysis*	**Beyond yield: Optimising DSP for scale, cost and sustainability with hybrid AI** **Nix Hall, New Wave Biotech, GB** *Keywords: (F) na; (EP) proteins/peptides, lipids; (T) hybrid modelling*
16:08 – 16:15	**The next generation of surface modification** **Johann Liebeton, BioHalo, DK** *Keywords: (F) glucose, waste; (EP) surface modifier; (T) biomanufacturing, biohalogenation*	**Delivering breakthrough biotechnology at scale to advance health** **Joeri Beauprez, Inbiose, BE** *Keywords: (F) plain sugar; (EP) human milk oligosaccharide, OptiHMO; (T) precision fermentation, synthetic biology*	**From microbial intelligence to industrial fermentation: data-guided process design for bio-based molecules** **Vanessa Rouaud, Abolis Biotechnologies, FR** *Keywords: (F) sugar, oil; (EP) Ingredients APIs; (T) strain engineering*
16:16 – 16:23	**Seaweed-derived functional powder: A PFAS-free path to fire and water resistance** **Natasha Yamamura, Algae Scope, IT** *Keywords: (F) seaweed biomass; (EP) functional powder; (T) thermal treatment*		**Licence-free engineering of non-model bacteria** **Craig Woods, Forge Genetics, GB** *Keywords: (F) non-model bacteria; (EP) product agnostic; (T) non-crispr engineering*

16:24 – 16:31	**Waterfree biocoating to replace PFAS/Plastic based coating in food packaging** **Sarvesh Poddar, Sustanix Materialtech, NL** *Keywords: (F) cellulose, starch; (EP) packaging, biocoating; (T) organic chemistry*		**Programming microbial control: bacteriocins for robust, antibiotic-free biobased biomanufacturing** **Guy Hélin, Syngulon, BE** *Keywords: (F) agnostic; (EP) fermentation; (T) synthetic biology*
16:32 – 16:39	**Enzymatic rubber biorefinery: Turning waste into value (Part of the ToBeReal BioPitch Forum)** **Ieva Palubeckaite, AKIN, NL** *Keywords: (F) rubber tires; (EP) recovered rubber; (T) biodegradation*		**Next-generation solid-state fermentation for living micro-organisms** **Emile Redant, Zymofix, BE** *Keywords: (F) biowaste, manure; (EP) living micro-organisms; (T) solid-state fermentation*
16:40 – 16:47	**Biotech Turning Rubber Waste into Green Molecules** **Barry van Bergen, Recircle, GB** *Keywords: (F) rubber waste; (EP) green molecules; (T) enzymes*		**proteolutions: optimized DNA sequences for higher protein yields** **Gert Weber, proteolutions, DE** *Keywords: (F) any feedstock; (EP) recombinant protein; (T) codon optimization*