



20TH - 21ST OCTOBER 2016, LONDON

4th qPCR/dPCR, 3rd SYNTHETIC BIOLOGY, 2nd MICROFLUIDICS CONGRESS

600+ ATTENDEES

120+ EXPERT SPEAKERS

50+ EXHIBITORS & SPONSORS









Stephen Bustin



Anders Ståhlberg











Jay Keasling



Karmella Haynes



Andreas Manz

Richard Kitney



Eugenia Kumacheva



Christoph Merten

Summit Introduction

Following the highly successful summit held in October last year, Global Engage is pleased to announce that the event will be returning on 20-21st October in central London.

The summit consists of our 4th qPCR and Digital PCR Congress, 3rd Synthetic Biology Congress and 2nd Microfluidics Congress. This year's event is expected to build on the 550 attendees and 100 poster presentations and 50 exhibitors at the 2015 summit.

The summit offers a vibrant exhibition room full of technology providers showcasing their technologies and other solutions, poster presentation sessions, expert led case study presentations and interactive Q&A panel discussions from a speaker faculty examining topics on:

aPCR

Microfluidics

- Human Synthetic Biology
- Plant Synthetic Biology
- Digital PCR

For a more details, see the agenda on following pages.







Bringing together industry & academic experts working in areas such as molecular biology/diagnostics, gene expression, genomics, biomarkers, pathogen detection, GMO, mRNA, NGS, bioinformatics and data management, the congress examined the latest developments, opportunities and applications of both dPCR and qPCR through case studies across diverse areas such as oncology, virology, infectious diseases, vaccines, prenatal diagnosis, clinical applications, microbiology, food microbiology, plant/ecology genomics, environmental testing and other novel applications.

dPCR/gPCR Plant, Food and Environment Case Studies

With increasing numbers of real-time PCR users purchasing digital PCR due to its reduction in cost, absolute quantification, improved sensitivity, precision and greater robustness; and with the gene amplification market predicted to grow to \$2.2 billion by 2017, this conference provides a timely opportunity to learn first-hand about applications and guidelines in dPCR whilst also keeping up to date with latest developments and strategies in qPCR. <u>See conference webpages</u>

Designed for experts working in genome engineering, technological development, cell building, bio-manufacturing and gene editing, the Synthetic Biology Congress will examine the latest developments in these fields in both the healthcare and plant biology sectors. Between these presentations, groups of respected experts will meet in panel talks, discussing a range of topics linked to the future of Synthetic Biology.

In this promising, and collaborative field, this conference provides a timely interactive networking forum, offering the opportunity to take home cutting edge research, strategies, methods and solutions to allow you to keep up to date with the latest advancements, novel methods and applications of Synthetic Biology. <u>See conference webpages</u>

Microfluidics is a rapidly developing area of research, and scientists are continually discovering the wide range of possibilities the technology can provide. At the intersection of engineering, physics, chemistry, nanotechnology, and biotechnology, microfluidics is revolutionising the way patients are diagnosed, monitored and treated, and is unlocking the potential for reduced reagent consumption and thus, cost.

Attracting experts working in all areas of microfluidics, the conference will examine the latest developments in the technologies and techniques being used for progressing medical research, as well as the challenges and future of microfluidics. <u>See conference</u> webpages

Summit Sponsors

Platinum Sponsors







Gold and Silver Sponsors





Supporting Sponsors



Featured Speakers



Stephen Bustin Professor, Anglia Ruskin University



Anders Ståhlberg Associate Professor, University of Gothenburg



Philip Day Director of the Quantitative Molecular Medicine Group, University of Manchester



Penny Hirsch Professor, Soil Microbial Ecology, Rothamsted Research



Andreas Manz KIST Europe, Saarbrucken



Eugenia Kumacheva University Professor, Department of Chemistry, University of Toronto



J. Michael Ramsey Minnie N. Goldby Distinguished Professor of Chemistry, University of North Carolina at Chapel Hill



Christoph Merten Group Leader European Molecular Biology Laboratory



Jay Keasling

Professor of Chemical Engineering and Bioengineering, University of California, Berkeley



Richard Kitney Professor of Biomedical Systems Engineering, Imperial College London



Karmella Haynes Assistant Professor of Medical Engineering, Arizona State University



Vincent Noireaux Associate Professor, University of Minnesota



qPCR and Digital PCR Congress

Micofluidics Congress

Synthetic Biology Congress

Agenda: Day 1 – Thursday 20th October

4 th qP	CR and Digital PCR Cor	ngress	2 nd Microfluidics Congress	3 rd Synthetic Biology Congress				
Keynote Address: The MIQE guidelines 2009-2016 Stephen Bustin, Professor, Anglia Ruskin University, UK			Keynote Address: Microfluidics, channel networks and self assembly Andreas Manz, KIST Europe, Saarbrucken Germany	Keynote Address: Engineering Microbes for Production of Chemicals and Fuels Jay Keasling, Professor of Chemical engineering and Bioengineering at the University of California, Berkeley				
Ultrasensitive mutation detection in blood plasma using dPCR and a novel error-free sequencing approach Anders Ståhlberg, Associate Professor, University of Gothenburg, Sweden			Microtubular MEMS for microfluidic applications Oliver Schmidt, Professor, Director, Institute for Integrative Nanosciences, IFW Dresden, Germany	Regulation of cancer epigenomes with a histone-binding synthetic transcription factor Karmella Haynes, Assistant Professor of Biomedical Engineering, Ira A. Fulton School of Biological and Health Systems Engineering				
Solution Provider Presentation: Fanny Garlan, Translational Research and Microfluidics Team, Paris Descartes University, France Technologies			Solution Provider Presentation For sponsorship opportunities please contact Nick Best/ Gavin Hambrook at sponsorship@globalengage.co.uk	Solution Provider Presentation: Louise Bird, Senior Research Scientist, Oxford Protein Production Facility (OPPF), University of Oxford. UK TAKARA Clontech TakaRa cellartis	Solution Provider Presentation For sponsorship opportunities please contact Nick Best/ Gavin Hambrook at sponsorship@globalengage.co. <u>uk</u>			
	Morning Refreshments Poster Presentation Sessions One-to-One Partnering Meetings							
Digital PCR: Possibilities & Opportunities	qPCR: Strategies & Developments	Plant, Food and Environment Case Studies	Strategy and Technology in Microfluidics	Healthcare Stream	Plant Synthetic Biology			
The potential advantages of digital PCR when performing molecular measurement Jim Huggett, Principal Scientist, LGC, UK	Pre-PCR processing: a concept to generate PCR-compatible samples Peter Radstrom, Professor and Head of Applied Microbiology, Faculty of Engineering, Lund University, Sweden	Next generation of analytical tools based on qPCR and dPCR for dairy microbiology Mickael Boyer, Analytical Microbiology and Molecular Biology Team Leader, Danone Nutricia Research, France	Open Droplets: Programming chemical flow in microfluidics Jean-Christophe Baret, Full Professor, University of Bordeaux; Team Leader, CNRS, France	Immunogenomic engineering of plug-and-(dis)play mammalian cells for protein expression and engineering Sai Reddy, Assistant Professor of Biomolecular Engineering, Dept. of Biosystems Science & Engineering, ETH Zurich, Germany	Re-designing gene regulatory networks underlying plant disease resistance Katherine Denby, Professor, School of Life Sciences, Warwick University			

Day 1 continued – Thursday 20th October

qPCR and Digital PCR Congress			Microfluidics Congress	Synthetic Biology Congress		
Digital PCR: Possibilities & Opportunities	-	ategies & pments	Plant, Food and Environment Case Studies	Strategy and Technology in Microfluidics	Healthcare Stream	Plant Synthetic Biology
Measurement uncertainties associated to digital PCR Phillipe Corbisier, Team Leader and Scientific Programme Manager, European Commission, Belgium	Factors that lead occurrence of Po Maurice van de Associate Profe of Amsterdam,	CR artefacts n Hoff, ssor, University	The Use of DNA Analytical Techniques to Monitor Food Authenticity Patrick O'Mahony, Chief Specialist, Food Technology, Food Safety Authority, Ireland	Microdroplet technologies for high-throughput experimentation in biology and for the point-of- care Piotr Garstecki, Professor, Group Leader, Institute of Physical Chemistry, Polish Academy of Sciences, Poland	SporoBeads: Reprogramming bacterial differentiation to generate functionalized biological microparticles Thorsten Mascher, Professor (Chair) of General Microbiology and Director of the Institute of Microbiology, Ludwig-Maximilians-University (LMU) Munich	Engineering cellular interactions for synthetic development Paul Grant, Researcher, Department of Plant Sciences, University of Cambridge
Data driven thresholding of digital PCR fluorescence intensities, your umbrella for heavy rain Lieven Clement, Professor of Statistics, University of Ghent, Belgium	Development ar a rapid hybrid M method: a comb conventional M culturing and qF Susan Brand-Ho at the Center of Microbiology, M Dohme	lycoplasma pination of ycoplasma PCR pefs, Specialist Expertise -	Norovirus detection and genotyping from environmental swab samples linked to foodborne outbreaks using reverse transcription PCR, qPCR and ddPCR Leena Maunula, Director of Research, University of Helsinki, Finland	Solution Provider Presentation From droplets to cartridges: Strategies and technologies for the development of integrated microfluidic devices Holger Becker, Co-founder and CSO, microfluidic ChipShop GmbH, Germany	Solution Provider Presentation Danilo Tait, PhD, AATI European Director	Solution Provider Presentation For sponsorship opportunities please contact Nick Best/ Gavin Hambrook at sponsorship@globalengage.co. <u>uk</u>
Solution Provider Presentation: Remi Dangla, CEO of Stilla Technologies STILLA Solution Provider Presentation For sponsorship opportunities please contact Nick Best/ Gavin Hambrook at sponsorship@globalengage.co.uk			nip opportunities please contact Best/ Gavin Hambrook at		Lunch	
Lunch				Acoustic nanoparticle trapping and enrichment enables a rapid route to biomarker analysis in extracellular vesicles Thomas Laurell, Professor Medical Chemical Microsensors, Department of Biomedical Engineering, Lund University, Sweden	Early Career Researcher Presentation: Sequential bottom-up assembly of functional cell-like compartments Marian Weiss, Department of New Materials and Biosystems, Max Planck Institute for Intelligent Systems, Germany	Early Career Researcher Presentation: Light-activated communication in Synthetic Tissues Michael J Booth, Chemistry Department, University of Oxford, UK

qPCR and Digital PCR Congress			Microfluidics Congress	Synthetic Biology Congress		
Digital PCR: Possibilities & Opportunities		rategies & Plant, Food and Environment pments Case Studies		Strategy and Technology in Microfluidics	Healthcare Stream	Plant Synthetic Biology
Digital PCR assays for the use in Point-of-Care systems and on standard Real-Time devices. Piotr Garstecki, Associate Professor, Institute of Chemistry, Polish Academy of Sciences, Poland	nt-of-Care systems and on ndard Real-Time devices.monitoring of persistence of genetically modified T-cellstr Garstecki, Associate fessor, Institute of Chemistry, ish Academy of Sciences,Beata Surmacz-Cordle, Senior Analytical DevelopmentScientist, Cell and Gene Therapy		Using new real-time PCR detection to identify the factors that affect the spatial and temporal distribution of mycobacteria in aquatic systems Francoise Lucas, Professor, LEESU, University of Paris-Est Creteil, France	Title: to be confirmed Thomas Franke, Professor in Biomedical Engineering, Chair in Biomedical Engineering, University of Glasgow, UK	Combinatorial protein engineering of proteolytically resistant mesotrypsin inhibitors as candidates for cancer therapy Niv Papo, Assistant Professor, Edgar de Picciotto Chair in Cancer Therapeutics and Imaging, Ben-Gurion University of the Negev	Synthesis of Microcompartments in Plants for Enhanced Carbon Fixation Martin Parry, Professor, Lancaster Environment Centre, Lancaster University
The role of qPCR and PCR in next generation sequencing library preparation – development of a digital droplet PCR assay to determine the efficiency of illumine library preparation Mike Quail, Senior Staff Scientist, Wellcome Trsut Sanger Institute, UK	multiplex real-time PCR by a fluorogenic mastermix Felix von Stetten, Group leader, Laboratory for MEMS Applications, Department of Microsystems Engineering –		Relations between gene expression patterns and toxic effects of the residues of selected anticancer drugs in zebrafish experimental model Matjaz Novak, Senior Associate, Department of Genetic Toxicology and Cancer Biology, National Institute of Biology, Slovenia	Extended-nano Fluidics - Technology, Science, and Applications Takehiko Kitamori, Professor, Department of Bioengineering, The University of Tokyo, Japan	Using RetroSynthesis in Synthetic Biology and Metabolic Engineering Jean-Loup Faulon, Senior Research Director, Micalis Institute, INRA, Jouy-en-Josas, France	Engineering nitrogen fixation Luis Rubio, Deputy Director, Centre for Plant Genomics and Biotechnology, Technical University of Madrid
Karolinska Instit Biotechnology G		r Presentation: nad, Unit of Infectious Diseases, ute, Sweden and Arndt Schmitz, roup Leader, Bayer, Germany hermo Fisher CIENTIFIC	Labs-on-a-chip meets smart nanomaterials and micromotors Alberto Escarpa, Professor of Analytical Chemistry, and Director of the Department of Analytical Chemistry, Physical Chemistry and Chemical Engineering, University of Alcala, Spain	Solution Provider Presentation For sponsorship opportunities please contact Nick Best/ Gavin Hambrook at sponsorship@globalengage.co.uk	Solution Provider Presentation For sponsorship opportunities please contact Nick Best/ Gavin Hambrook at sponsorship@globalengage.co.uk	
			Poster Prese	Refreshments ntation Sessions ne Meetings		
Biotech For sponsors my Nick F		on Provider Presentation hip opportunities please contact Best/ Gavin Hambrook at rship@globalengage.co.uk	Title: to be confirmed Carlotta Guiducci, Assistant Professor, Swiss Federal Institute of Technology, École Polytechnique Fédérale de Lausanne, Switzerland	Combining synthetic biology and molecular evolution for optimizing and understanding gene expression Tamir Tuller, Associate Professor, Computational Systems and Synthetic Biology, Edmond J. Safra Centre for Bioinformatics, Tel Aviv University	Rewiring Plants for Enhanced Biomass Ines Ezcurra, Associate Professor, Plant Synthetic Biology Group, KTH Royal Institute of Technology	

qPCR and Digital PCR Congress			Microfluidics Congress	Synthetic Biology Congress		
Digital PCR: Possibilities & Opportunities	qPCR: Strategies & Developments	Plant, Food and Environment Case Studies	Digital PCR: Possibilities & Opportunities	qPCR: Strategies & Developments	Plant, Food and Environment Case Studies	
ddPCR for MRD monitoring in mature B cell malignancies Marco Ladetto, Professor and Head of Haematology, University of Turin, Italy	Application of Whole Transcriptome AmpliSeq-RNA on the Ion Torrent NGS platform for gene expression profiling of limited amount samples in preclinical and translational research Friedrich Raulf, Senior Investigator, Novartis, Switzerland	Using qPCR to compare the presence and activity of nitrogen-cycling genes in agricultural soils Penny Hirsch, Professor and Principal Investigator of Soil Microbial Ecology, Rothamsted Research, UK	A comparison of detection approaches for selective and sensitive biosensing in microfluidic devices Gillian M. Greenway, Professor of Analytical Chemistry, Department of Chemistry, University of Hull, UK	Synthetic biology approaches for treating Huntington's disease Mark Isalan, Reader in Gene Network Engineering, Department of Life Sciences, Imperial College London, UK	In vivo assembly of DNA- fragments in Physcomitrella patens as a biotech tool to produce fragrances and drugs Henrik Toft Simonsen, Associate Professor, Department of Systems Biology, Technical University of Denmark, Denmark	
Digital Droplet PCR and Real– Time PCR – comparison of performance parameters on identical sets of samples Marie Korabecna, Associate Professor, Charles University in Prague, Czech Republic	Developing ultrasensitive qPCR testing for ctDNA Alain Thierry, Director of Personalised Medicine Research, INSERM, France	The challenge of RT-qPCR in ornamentals Ellen De Keyser, Senior Researcher Molecular Plant Genetics and Breeding, ILVO (Institute for Agricultural and Fisheries Research), Plant Sciences Unit- Applied Genetics and Breeding, Belgium	Paper-based biosensors for diagnostics Arben Merkoçi, ICREA Professor, Director of the Nanobioelectronics & Biosensors Group, Catalan Institute of Nanoscience and Nanotechnology (ICN2) & BIST, Barcelona, Spain	Next generation cell-free expression systems for synthetic biology Vincent Noireaux, Associate Professor, University of Minnesota, USA		
Novel Strategies in Single Molecule Sensing Binoy Paulose Nadappuram, Research Associate, Department of Chemistry, Imperial College London, UK						
Day 1 Closing Remarks Networking Drinks Reception						

Agenda: Day 2 – Friday, 21st October

4 th qPCR and Dig	ital PCR Congress	2 nd Microfluidics Congress	3 rd Synthetic Biology Congress	
Keynote Address: Higher therapeutic index drugs Philip Day, Director of Quantitative Molecular Medicine Group and PI at Institute of Biotechnology, University of Manchester, UK		Keynote Address: Reconfigurable Multi-element Diagnostics: ReMeDx J. Michael Ramsey, Minnie N. Goldby Distinguished Professor of Chemistry, University of North Carolina at Chapel Hill, USA		
Solution Provider Presentation: nanoString TECHNOLOGIES Polly Downton, Post-Doctoral Research Associate, Systems Microscopy Centre, Faculty of Biology, Medicine and Health		Microfluidics and carbon dioxide Eugenia Kumacheva, University Professor, Department of Chemistry, University of Toronto, Canada	Keynote Address: BioDesign and Translation in Synthetic Biology Richard Kitney, Professor of Biomedical Systems Engineering, Imperial College London	
Healthcare Case Studies	Plant Food and Environmental		3 rd Synthetic Biology Congress	
Ultra-sensitive detection of pancreatic beta cell destruction in type 1 diabetes through absolute quantification of plasma miR-375 Geert Martens, Associate Professor, Department of Clinical Biology, University Hospital Brussels, Belgium	Quality Control and Technical Variance in plant qPCR analysis Jose Die, Visiting Scientist, US Department of Agriculture, USA	Creating Unique Flows and Functions in Microfluidics by Shaping Acoustic Forces with Phononics Jon Cooper, Wolfson Chair of Bioengineering, EPSRC Fellow, ERC Advanced Investigator, University of Glasgow, UK	Solution Provider Presentation Charles Joseph, Product Manager, Twist Bioscience TWISST BIOSCIENCE	
		Morning Refreshments Poster Presentation Sessions One-to-One Partnering Meetings		
Solution Provider Presentation Frank Bizouarn, International Field Application Specialist, Bio-Rad Laboratories	Solution Provider Presentation For sponsorship opportunities please contact Nick Best/ Gavin Hambrook at sponsorship@globalengage.co.uk	Thiolene-based microfluidic devices as versatile tools for pharmaceutical applications Jörg P. Kutter, Professor, Analytical Biosciecnes, Department of Pharmacy, University of Copenhagen, Denmark	Synthetic RNA circuits in bacteria Alfonso Jaramillo, Professor of Synthetic Biology, Department of Life Science, University of Warwick, UK	

qPCR and Digital PCR Congress		Microfluidics Congress	Synthetic Biology Congress				
Healthcare Case Studies	Plant, Food and Environmental Case Studies	Case Studies and Applications in Medical Research	Synthetic Microbiology	Technology and Tool Development			
MiRNA profiling in disease-relevant blood cell populations and exosomes in autoimmune and inflammatory diseases Jorg Tost, Head of the Laboratory for Epigenetics and the Environment, CNG, France	Optimisation of loop-mediated amplification for single copy detection in transgenic maize using the bioluminescent assay in real-time (BART) Jim Murray, Professor and Head of Molecular Biosciences, Cardiff University, UK	Microfluidic electrochemical arrays for biosensing applications Jenny Emnéus, Professor, Department of Micro- and Nanotechnology, Technical University of Denmark	Building synthetic secondary chromosomes to understand chromosome maintenance in bacteria Torsten Waldminghaus, Professor for Synthetic Biology, LOEWE-center for Synthetic Biology, Philipps-Universität Marburg	The SiCHNOPS project: incorporating silicon in biopolymers and addicting microbial lineages to an additional element Philippe Marliere, Scientific Director, Institute of Systems and Synthetic Biology, Genopole, Evry, France			
Quantification of mechanically regulated mRNAs in cell, animal and human musculoskeletal tissues Debbie Mason, Reader, Cardiff University and CoPI of Arthritis Research UK Biomechanics and Bioengineering Centre, UK	Quantitative detection of methane- cycling microorganisms in environmental samples Marc Dumont, Lecturer in Soil Biology, University of Southampton, UK	Spatially controlled 3D and 2D cultures towards organs on a chip Charles Baroud, Associate Professor, École Polytechnique; Unit Head, Institut Pasteur, Paris, France	Engineering synthetic microbial communities for understanding and applications Orkun S. Soyer, Professor of Evolutionary Systems and Synthetic Biology, Co-Director of Warwick Centre for Integrative Synthetic Biology, School of Life Sciences, University of Warwick	Design and application of regulatory RNA devices, and protein-based biosensors for the optimization of cellular biotechnological processes Neil Dixon, Research Fellow, Faculty of Life Sciences, The University of Manchester, UK			
Exploring the use of MSqPCR and TRECqPCR to predict suppressive function of clinical grade T regulatory (Treg) products Abigail Lamikanra, Research Project Leader, National Health Service Blood and Transplant and the Radcliffe Department of Medicine, University of Oxford, UK	Quantifying nitrogen cycle genes and transcripts in coastal sediments by qPCR Cindy Smith, Lecturer, NUI Galway, Ireland	Precision Diagnostics based on modular capillary-driven elements Emmanuel Delamarche, Research Staff Member, IBM Research - Zurich,	Computational tools for the synthetic biology of natural products Rainer Breitling, Professor of Systems Biology, University of Manchester	Naturally-inspired engineering of biological systems Ahmad Khalil, Assistant Professor, Biomedical Engineering; Associate			
15 Minute Solution Provider Presentation Neil Mallon, Chief Scientific Officer, BJS Biotechnologies Ltd	Solution Provider Presentation For sponsorship opportunities please contact Nick Best/ Gavin Hambrook at sponsorship@globalengage.co.uk	Switzerland		Director, Biological Design Center (BDC), Boston University			
Lunch							
Liquid biopsies: following the tumor in real time Evi Lianidou, Professor of Analytical Chemistry, University of Athens	Standardization and Quality-Assurance in PCR based methods in the microbiology of the food chain Alexandre Leclercq, Deputy Director, National Reference Centre for Listeria and WHO Collaborating Centre for Listeria, Institut Pasteur, France	Living droplets – phenotypic and genotypic single-cell screens for antibody discovery and biomedical research Christoph Merten, Principal Investigator / Group Leader Microfluidics, Genome Biology Unit, European Molecular Biology Laboratory, Germany	Early Career Researcher Presentation: Design principles of transcription factor- based biosensors and high-throughput screening applications Solvej Siedler, Novo Nordisk Foundation Center for Biosustainability, Technical University of Denmark, Denmark	Early Career Researcher Presentation: Expanding Nature's Catalytic Repertoire – Directed evolution of artificial membranes Markus Jeschek, Bioprocess Laboratory, Synthetic Biology Group, D-BSSE ETH Zurich, Switzerland			

qPCR and Digita	al PCR Congress	Microfluidics Congress	Synthetic Biology Congress		
Healthcare Case Studies	Healthcare Case Studies Plant, Food and Environmental Case Studies		Synthetic Microbiology	Technology and Tool Development	
Applications of qPCR in rare genetic disorders Dhavendra Kumar, Professor and Lead Clinical Geneticist, The Genomic Medicine Foundation UK and University of South Wales, UK	Progress and challenges of detection of foodborne viruses David Rodrigues-Lazaro, Associate Professor and Head of Microbiology, University of Burgos, Spain	Micro and nano structures for oral drug delivery and sensing Anja Boisen, Professor, Department of Micro- and Nanotechnology, Technical University of Denmark	Early Career Researcher Presentation: A RNA-based model-facilitated framework for designing generalizable genetic control systems Yen-Hsiang Wang, Smolke Lab, Stanford University, USA	Early Career Researcher Presentation: Systematic characterisation of synthetic gene circuits using a high-throughput microfluidic platform Zoe Swank, Institute of Bioengineering, Ecole Polytechnique Federale de Lausanne, Switzerland	
Quantitative PCR evaluations – a valuable tool for Mechanistic Inhalation Toxicology Studies Emmanuel Guedj, Supervisor of Gene Expression, Philip Morris International, Switzerland		Context-driven Scent: Microfluidics for Health, Wellbeing and Fashion Applications Jenny Tillotson, Founder of eScent; Visiting Scholar, University of Cambridge, UK	Biological Design Automation for Optimal Cell Factories Giuseppe Nicosia, Associate Professor of Computer Engineering, Dept of Mathematics & Computer Science, University of Catania	A metabolic network for cell volume regulation Bert Poolman, Professor and Director, Groningen Biomolecular Science and Biotechnology Institute, University of Groningen	
Detecting probiotic compliance from faecal samples Nicolas Yeung, Scientist, DuPont Nutrition and Health, Finland		Bottom up approach to Sample delivery for Xray Diffraction Experiments at Synchrotrons and X Fels Peter Docker, Senior Mechanical Project Engineer, Diamond Light Source, UK	Gene circuits for self-tuning metabolic p Diego Oyarzun, Research Fellow in Bion Mathematics, Imperial College London	,	
			Safe use of gene drives Cecile Van der Vlugt, National Institute (RIVM), Centre for Safety of Substances		
		Closing Remarks & Conference Close Afternoon Refreshments			

Summit Information

Poster Presentations

Poster presentation sessions will take place in breaks and alongside the other breakout sessions. At the conference, your presentation will be displayed in a dedicated area, with the other accepted posters from industry and academic presenters.

We also issue a poster ebook to all attendees with your full abstract in and can share your poster as a pdf after the meeting if you desire (though completely optional if you have unpublished data or other restrictions on what you can share in a distributable format).

Whether looking for funding, employment opportunities or simply wanting to share your work with a like-minded and focused group, these are an excellent way to join the heart of this Forum.

In order to present a poster at the forum you need to be registered as a delegate. Please note that there is limited space available and posters space is assigned on a first come first served basis (subject to checks and successful registration).

Venue

Novotel London West ONE SHORTLANDS, HAMMERSMITH INTERNATIONAL CENTRE, LONDON, W6 8DR

A discounted group rate is available to all attendees. Details of how to book are available on registration. Space is limited and accommodation is available on a first come basis.



www.globalengage.co.uk/molecular-biology-summit.html