

Agenda Innovation Forum 2022



September 20



Workshop: Delivering a powerful message

4:00 PM – 5:30 PM with Camilla Heinzmann

CET	Keynote	Microbiome to Microbiology	Digital PCR
08:45	<p>Welcome Session Day 1</p> <p>Building beyond: Driving digital innovation in life science with keynote speaker André Heeg</p>		
09:00			
09:15			
09:30		<p>Monitoring antibiotic resistance in the environment Windi Muziasari</p>	
09:45			<p>A decade of dPCR Dr. Jim Huggett</p>
10:00			
10:15			
10:30		<p>Rhizosphere microbiome studies: an innovative tool towards sustainable agriculture Dr. Vânia Pankievicz</p>	<p>Searching for rainbows: How the QIAcuity digital PCR system helps HIV reservoir quantification Dr. Wim Trypsteen</p>
10:45			
11:00			
11:15		<p>Reshaping the tree of life – Elucidating the role of novel archaea in ecology and evolution Dr. Patricia Geesink, Dr. Guillaume Tahon</p>	<p>The fine art of dPCR – From template to validation John Paul Chackalovcak</p>
11:30			
11:45			
12:00		<p>Cultures across cultures: A global deep dive into fermented microbial communities Liana Merk</p>	
12:15			
12:30			
12:45			

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September 21

CET

Microbiome to Microbiology

Pharma & Biotech

08:45

Welcome Session

09:00

Building for the future with advanced molecular analytics for viral vectors

Dr. Victoria Best, Dana Cipriano, John Kerwin, Miriam Menezes

09:15

09:30

09:45

Diet-microbe-host interaction in early life

Dr. Christopher J. Stewart

10:00

QIAGEN Genomic Services – one partner to accelerate your research programs

Dr. Verena Schramm

10:15

10:30

Investigating the genital microbiome by metagenomic sequencing and qPCR to prove sexual contact

Dr. Bruce R. McCord, Dr. George Duncan, Mirna Ghemrawi

10:45

Expertise in kit-based molecular companion diagnostics development and commercialization

Dr. Reinhard Ortman

11:00

11:15

The TNO in vitro model of the colon: A sophisticated tool to study the effect of food and pharmaceuticals on the gut microbiota

Dr. Koen Venema

11:30

11:45

12:00

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12:45

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September 22

CET	Cancer Research	SARS-CoV-2 Research	Pharma & Biotech	Sustainability
08:45	Welcome Session			
09:00	Development of dPCR-based molecular MRD for acute myeloid leukemia Dr. Amanda C. Winters	Moving beyond SARS-CoV-2 surveillance: How can next-generation sequencing support wastewater-based epidemiology? Dr. Davida Smyth	Developing novel therapies for cancer bone metastasis, an unmet medical need Tiina Kähkönen	The Chagos Archipelago: Coral reefs from the days of yore Dr. Bryan Wilson
09:15				
09:30	Digital PCR and copy number variants enable absolute and relative quantification of donor-derived cell-free DNA for post-transplant organ monitoring Doug Bost	Altered microRNA expression in COVID-19 patients accurately identifies SARS-CoV-2 infection Ryan Farr	The promise of next-generation protein sequencing Joshua Yang	Hard work and heart work – A short guide to lab sustainability Dr. Stefan Thiele
09:45				
10:00	Developing mRNA vaccines targeting immunogenic neoantigens translated from chimeric RNAs for the treatment and prevention of cancer Professor Preethi Gunaratne	Optimization of wastewater SARS-CoV-2 samples to enable NGS-based detection of emerging variants Dominic O'Neil, M.S., M.B.A. Jonathan Shaffer, Ph.D., M.B.A.	Identifying novel drug targets in paraganglioma Dr. Simon Plummer, Jeff Green	Novel precision medicine platform Mark Uhlik
10:15				
10:30	Liquid biopsy workflow optimization for improved assay sensitivity and multianalyte applications of cell-free RNA, DNA and CTCs Dr. Andrea Huxhold	High-sensitivity, targeted NGS variant detection of viral and bacterial pathogens Dylan Barbera	Knowledge graphs and more: Analytics-driven drug discovery using advanced biomedical relationships knowledge Dr. Marina Bessarabova, Andreas Kraemer	Let's make science more sustainable together Dr. Eva Haenssler, Dr. David Willemsen
10:45				
11:00		Viral load estimation using digital PCR and RT-PCR with omicron subvariants Laura Isabela Uribe Figueroa		
11:15				
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12:45				

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September 23

CET	Cancer Research	Sustainability	Keynote
08:45	Welcome Session		
09:00	Cell-free DNA variant sequencing using plasma and AR-V7 testing of circulating tumor cells in prostate cancer patient Professor Helge Taube	Building a global culture of sustainability in the lab Raj Patej	
09:15			
09:30			
09:45			
10:00	How to translate complex genomic data to clinically-oriented personalized cancer care: A real-world experience Dr. Ana Krivokuca	Round Table	Closing Session with Panel Discussion Phillip J. Daschner, Dr. Kathrin Heinzmann, Dr. Alexandra Boitor
10:15			
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