

Agenda Innovation Forum 2022



September 27



Workshop: Delivering a powerful message

12:30 – 14:00 with Camilla Heinzmann

EST	Keynote	Microbiome to Microbiology	Digital PCR
10:45	<p>Welcome Session Day 1</p> <p>Building beyond: Driving digital innovation in life science with keynote speaker André Heeg</p>		
11:00			
11:15			
11:30		<p>Monitoring antibiotic resistance in the environment Windi Muziasari</p>	<p>A decade of dPCR Dr. Jim Huggett</p>
11:45			
12:00			
12:15			
12:30		<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>
12:45			
13:00			
13:15		<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>
13:30			
13:45			
14:00		<p>Cultures across cultures: A global deep dive into fermented microbial communities Liana Merk</p>	
14:15			
14:30			
14:45			

Agenda Innovation Forum 2022



September 28

EST

Microbiome to Microbiology

Pharma & Biotech

10:45

Welcome Session

11:00

Building for the future with advanced molecular analytics for viral vectors

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

11:15

11:30

11:45

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

12:00

QIAGEN Genomic Services – one partner to accelerate your research programs

Dr. Verena Schramm

12:15

12:30

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

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

12:45

Expertise in kit-based molecular companion diagnostics development and commercialization

Dr. Reinhard Ortmann

13:00

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Diet-microbe-host interaction in early life

Dr. Christopher J. Stewart

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Agenda Innovation Forum 2022



September 29

EST	Cancer Research	SARS-CoV-2 Research	Pharma & Biotech	Sustainability
10:45	Welcome Session			
11:00	Cell-free DNA variant sequencing using plasma and AR-V7 testing of circulating tumor cells in prostate cancer patient Prof. Helge Taubert	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
11:15			The promise of next-generation protein sequencing Joshua Yang	
11:30	Developing mRNA vaccines targeting immunogenic neoantigens translated from chimeric RNAs for the treatment and prevention of cancer Professor Preethi Gunaratne	Altered microRNA expression in COVID-19 patients accurately identifies SARS-CoV-2 infection Ryan Farr	Identifying novel drug targets in paraganglioma Dr. Simon Plummer, Jeff Green	Hard work and heart work – A short guide to lab sustainability Dr. Stefan Thiele
11:45			Novel precision medicine platform Mark Uhlik	
12:00	How to translate complex genomic data to clinically-oriented personalized cancer care: a real-world experience Dr. Ana Krivokuca	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.	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
12:15				
12:30	Liquid biopsy workflow optimization for improved assay sensitivity and multianalyte applications of cell-free RNA, DNA and CTCs Dr. Andrea Huxhold	Viral load estimation using digital PCR and RT-PCR with omicron subvariants Laura Isabela Uribe Figueroa		
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Agenda Innovation Forum 2022



September 30

EST	Cancer Research	Sustainability	Keynote
10:45	Welcome Session		
11:00	Development of dPCR-based molecular MRD for acute myeloid leukemia Dr. Amanda C. Winters	Building a global culture of sustainability in the lab Raj Patej	
11:15			
11:30			
11:45			
12:00	Digital PCR and copy number variants enable absolute and relative quantification of donor-derived cell-free DNA for post-transplant organ monitoring Doug Bost	Round Table	Closing Session with Panel Discussion Phillip J. Daschner, Dr. Kathrin Heinzmann, Dr. Alexandra Boitor
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