

09:30 09:45 CHAIRMAN TALK – Mikael Kubista

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**SESSION 1**

**Moderator: Malin Andersson Stavridis**

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09:45 10:15 **Ondřej Slabý** - A real-world genomics-guided precision medicine in pediatric oncology

10:15 10:35 **Radek Kučera** - Diagnostic algorithm of Prostate Cancer

10:35 10:55 **Andreas Weinhäusel** - Epigenomics and Immunomics pipelines assisting minimal invasive diagnostics & biomarker development

10:55 11:15 **Gustav Johansson** - Solving challenges in ctDNA analysis for precision medicine applications

11:15 11:35 **Marek Minarik** - Personalised monitoring of ctDNA by oncoMonitor™ liquid biopsy assay

11:35 12:00 **Q&A**

12:00 12:15 COFFEE BREAK

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**SESSION 2**

**Moderator: Gustav Holmgren**

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12:15 12:45 **Anders Målarstig** - Integration of Genetics and Proteomics at Scale for Target Discovery and Precision Medicine -examples from the SCALLOP consortium

12:45 13:05 **Alexandra Bogožalec Košir** - How to find the proper test – A case study on development of DNA-based methods for monitoring nosocomial respiratory tract infections

13:05 13:25 **Kateřina Pehlřková** - SARS-CoV-2 sequencing - application of new software for NGS

13:25 13:45 **Yasmin Panchbhaya** - cfDNA and FFPE DNA/RNA Purification Solutions from Omega Bio-tek

13:45 14:05 **Q&A**

14:05 15:00 LUNCH BREAK

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**SESSION 3**

**Moderator: Marijana Rucevic**

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15:00	15:30	<b>Stefan Enroth</b> - Normal and preanalytical variation of protein biomarkers
15:30	15:50	<b>Francesca Lazzaroni</b> - Propranolol treatment for Familial Cerebral Cavernous Malformation (Treat_CCM): the role of circulating biomarkers
15:50	16:20	<b>Marijana Rucevic</b> - Plasma proteomic biomarkers predict responses to cancer immunotherapy and provides biological insights into mechanism of resistance
16:20	16:40	<b>Q&amp;A</b>
16:40	16:50	COFFEE BREAK
16:50	17:20	Virtual poster session

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Day 2, Thursday

27<sup>th</sup> of May 2021

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#### SESSION 4

Moderator: Jo Vandesompele

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09:30	10:00	<b>Mikael Kubista</b> - Two-Tailed PCR for Precision Diagnostics
10:00	10:20	<b>Marek Mráz</b> - The biology of miRNAs in B cell malignancies and their use as biomarkers
10:20	10:40	<b>Veronika Grešáková</b> : Detection of SARS-CoV-2 microRNA panel using Two-tailed qPCR method
10:40	10:55	<b>Q&amp;A</b>
10:55	11:15	COFFEE BREAK

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#### SESSION 5

Moderator: Gunnel Tybring

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11:15	11:45	<b>Jens Habermann</b> - BBMRI-ERIC biobanks excellent partners for research and development
11:45	12:05	<b>Åsa Torinsson Naluai</b> - Swedish sample quality initiatives and using biomarkers to determine quality in sample collections with unknown pre-analytical conditions
12:05	12:25	<b>Marie Karlíková</b> - Preanalytical rules in biobanking

12:25	12:45	<b>Olga Kofanova</b> - Role of biobanks in Personalized Medicine: sample analysis and quality control tools in a biobank
12:45	13:05	<b>Svetlana Gramatiuk</b> - Attitudes of Biobanks and Associated of parents towards the specimen donation of sick children to a hypothetical biobank
13:05	13:30	<b>Q&amp;A</b>
13:30	14:30	LUNCH BREAK

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### SESSION 6

Moderator: Pamela Pinzani

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14:30	15:00	<b>Jo Vandesompele</b> - Extracellular RNA profiling in human biofluids: about standardization and beyond microRNAs and plasma
15:00	15:30	<b>Klaus Pantel</b> - Liquid Biopsy: From discovery to clinical implementation
15:30	15:50	<b>Stephen A Bustin</b> - Accelerated Purification and Detection of SARS-CoV-2
15:50	16:10	<b>Q&amp;A</b>

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Day 3, Friday

28<sup>th</sup> of May 2021

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### SESSION 7

Moderator: Åsa Torinsson Naluai

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09:30	10:00	<b>Uwe Oelmueller</b> – Preanalytical Workflow Standards: The Key for Reliable Diagnostics, Research and Biobanking
10:00	10:20	<b>Alison Devonshire</b> - Role of metrology and metrology institutes in advancing use of genomic biomarkers in Precision Medicine
10:20	10:50	<b>Karl-Friedrich Becker</b> - Quality control and biomarker stability studies using unique tumour tissue samples exposed to different ischemic conditions
10:50	11:10	COFFEE BREAK
11:10	11:30	<b>Giorgio Stanta</b> - Reproducibility of Clinical Research in Precision Oncology
11:30	11:50	<b>Eva Kriegová</b> - Orthopaedics towards precision medicine: patient stratification to improve clinical outcomes
11:50	12:10	<b>Zsolt Holló</b> – Implementation of personalized medicine in rheumatology: development of a novel gene expression based in-vitro

diagnostics test for the prediction of biological therapy responsiveness in rheumatoid arthritis

12:10 12:40 Q&A

12:40 12:50 COFFEE BREAK

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## SESSION 8

Moderator: Karl-Friedrich Becker

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12:50 13:20 **Kurt Zatloukal** - Pre-analytical requirements for in vitro diagnostic medical devices

13:20 13:40 **Peter Riegman** - Increased reproducibility with standardization of sample pre-analytics

13:40 14:00 **Ulrike Schröder** - Linking research, innovation, and standardization

14:00 14:15 Q&A

14:15 15:15 LUNCH BREAK

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## SESSION 9

Moderator: Peter Riegman

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15:15 15:45 **Stephen A Bustin** - Forensic tissue identification by RT-PCR

15:45 16:15 **Jiří Drábek** - Epigenetic age estimation of healthy Czech population

16:15 16:45 **Michael W. Pfaffl** - Diagnostic potentials of circulating and extracellular vesicle related microRNAs signatures for the discrimination of Pneumonia, Sepsis and Covid-19

16:45 17:05 **Agnieszka Śmieszek** - Obesity-induced changes in metabolism of equine endometrial multipotent stromal cells are ameliorated by seminal extracellular vesicles

17:05 17:25 Q&A

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17:25 17:40 CLOSING SUMMARY – Mikael Kubista

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