

Workshop on Knowledge Translation in Cancer Study
29th – 31st July, 2020 | Online | All times are British Standard time (BST)

Day 1, 29th July, 2020
(Breakout sessions)

▪ **Breakout room 1**

12:15 - 12:30

- Potential interplay between mucin 4 (MUC4) and matrix metalloproteinase-9 (MMP-9) in glioblastoma
- Agathe Quesnel, Teesside University (UK)

12:30 - 12:45

- Proteogenomic profiling of patient-derived glioblastoma stem cells
- Haris Babačić, Karolinska Institute (Sweden)

12:45 - 13:00

- Establishing a new mouse model of human astrocytoma
- Raquel Fonseca, University College London (UK)

13:00 - 13:15

- Deciphering a serum miRNA signature associated to IDH1 status as non invasive diagnostic biomarkers
- Ana Belen Diaz, Institute Regina Elena (IT)

▪ **Breakout room 2**

12:15 - 12:30

- Deep learning-based multi-omics feature extraction and cancer classification using variational AE.
- Xiaoyu Zhang, Imperial College (UK)

12:30 - 12:45

- Large scale analysis reveals gene signature for survival prediction in primary glioblastoma
- Birbal Prasad, Teesside University (UK)

12:45 - 13:00

- Mitigating class imbalance with synthetic controls in gene expression data using GANs
- Jeremy Georges-Filteau, The Hyve (NL)

13:00 - 13:15

- Integrated systems approach to identify genetic networks and hubs in Parkinson's and Alzheimer's
- Jack Kelly, University of Plymouth (UK)

END of breakout sessions (Day 1)

Day 2, 30th July, 2020
(Breakout sessions)

▪ **Breakout room 1**

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|---------------|---|
| 12:15 - 12:35 | <ul style="list-style-type: none">• Challenge in the detection of disease biomarkers using biosensing technology• Dr. Bing Li, Imperial College (UK) |
| 12:35 - 12:50 | <ul style="list-style-type: none">• ICSDP – A miRNA amplification strategy with SPRi readout• Vanessa Jungbluth, University of Catania (IT) |
| 12:50 - 13:05 | <ul style="list-style-type: none">• Electrolyte Gated Organic Field-Effect Transistors (EGOFETs) for Biosensor Applications• Meenu Selvaraj, Scriba Nanotechnologie Srl (IT) |
| 13:05 - 13:20 | <ul style="list-style-type: none">• A label free sandwich biosensor for highly sensitive quantification of DNA methylation• Mina Safarzadeh, University of Plymouth (UK) |

▪ **Breakout room 2**

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|---------------|--|
| 12:15 - 12:35 | <ul style="list-style-type: none">• The application of machine learning and deep learning in legal service• Dr. Jintao Long, Oxford Brookes University (UK) |
| 12:35 - 12:50 | <ul style="list-style-type: none">• Spatial Mapping of Diffuse Intrinsic Pontine Glioma Cell Types and their Microenvironment Locations• Erik Samuelsson, Stockholm University (Sweden) |
| 12:50 - 13:05 | <ul style="list-style-type: none">• Clinical and analytical evaluation of biomarkers for glioma and meningioma• Ahmed Abdelrahman, MTA (IT) |
| 13:05 - 13:20 | <ul style="list-style-type: none">• Business model value dimensions among key stakeholders in the healthcare value chain• Aira Patrice Ong, University of Plymouth (UK) |

END of breakout sessions (Day 2)