

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

Day 1, 29th July, 2020
(Chair: Sebastian Brandner)

▪ **Session 1: Current trends in brain cancer research**

09:10 - 09:30

- Welcome
- Xinzhong Li/Stephen Cummings, Teesside University (UK)

09:30 - 10:30

- Keynote: Learning from failure and developing adaptability in brain cancer research
- Colin Watts, University of Birmingham (UK)

10:30 - 11:00

- Identifying candidate drivers of treatment resistance in glioblastoma
- Lucy Stead, University of Leeds (UK)

11:00 – 11:10 Break

11:10 - 11:40

- Next-generation sub-classification of childhood brain tumours
- Steve Clifford, Newcastle University (UK)

11:40 - 12:00

- The role of the tumour microenvironment in the plasticity of glioblastoma cells
- Cristian Ruiz Moreno, Princess Maxima Centre for Pediatric Oncology (NL)

12:00 – 13:30 Lunch and Poster (Breakout sessions)

▪ Session 2: Healthcare, AI and cancer research

13:30 - 14:30

- Keynote: Applications of AI in healthcare
- Antony Rix, Granta Innovation Ltd (UK)

14:30 - 15:00

- Clinical spectroscopy: Translating spectroscopic biofluid disease detection
- Matthew Baker, University of Strathclyde (UK)

15:00 – 15:15 Break

15:15 - 15:45

- The brain tumour patient perspective: What's important on the journey?
- Kathy Oliver, International Brain Tumour Alliance (UK)

15:45 - 16:15

- AI disease specific chemogenomics knowledgebase and pharmacometrics system pharmacology platform for drug discovery
- Qiang-Qun Xie, University of Pittsburgh (USA)

16:15 - 16:45

- A semi mechanistic bayesian model for COVID19
- Swapnil Mishra, Imperial College London (UK)

16:45 - 17:15

- Genomics and glioma in the clinic - where are we in 2020?
- Sarah Jefferies, Addenbrooke's Hospital (UK)

17:15 - 17:45

- General questions from young researchers

END of day 1

Day 2, 30th July, 2020

(Chair: Pierpaolo Greco)

▪ Session 1: Biosensors

09:30 - 10:30

- Keynote: Organic bioelectronics: From biosensors to neuromorphic devices
- Fabio Biscarini, University of Modena and Reggio Emilia (UNIMORE), Italy

10:30 - 11:00

- Biomimetic biomaterials: From concept design to market translation
- Matteo Santin, University of Brighton (UK)

11:00 – 11:10 Break

11:10 - 11:40

- Molecular devices for PCR-free detection of DNA
- Sabrina Conoci, University of Messina and ST Microelectronics (Italy)

11:40 - 12:00

- Extracellular vesicle detection directly in complex matrices by using FO-SPR sensor
- Yagmur Yildizhan, KU Leuven (Belgium)

12:00 – 13:30 Lunch and Poster (Breakout sessions)

▪ Session 2: Knowledge translation

13:30 - 14:30

- Keynote: Ethics and regulation for AI and novel medical interventions
- Antony Rix, Granta Innovation Ltd (UK)

14:30 - 15:00

- Molecular diagnostic tests: the experience of GENOMA group
- Francesca Spinella, GENOMA Eurofins group (Italy)

15:00 – 15:15 Break

15:15 - 15:45

- My starting career as neuroscientist between academia and industry
- Matteo Donega, Galvani Bioelectronics (Italy)

15:45 - 16:15

- Boosting your career with your ESR Marie Curie background: A real life experience
- Thomas Mosciatti, Dow Italia (Italy)

16:15 - 16:45

- The journey to commercialise your invention
- Xize Niu, University of Southampton (UK)

16:45 - 17:15

- Using single cell genomics to understand cell fate decisions
- John Marioni, EMBL-EBI (UK)

17:15 - 17:45

- General questions from young researchers

END of day 2

Day 3, 31st July, 2020
(Chair: Nadine Bongaerts)
Restricted session: Only for AiPBAND fellows

▪ **Session: Public engagement training**

09:30 - 11:30

- TBA
- Eva Brinkman, Science Matters (NL)

11:30 - 11:45

- BREAK

11:45 - 12:10

- TBA
- Sarah Kearns, University of Plymouth (UK)

12:10 – 13:30 Lunch

13:30 - 16:00

- TBA
- Nadine Bongaerts, Science Matters (NL)

END of day 3