<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1 Chair: Jason Carroll, CRUK Cambridge Institute, University of Cambridge</th>
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<tbody>
<tr>
<td>08:45 – 09:15</td>
<td>Registration</td>
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<tr>
<td>09:15 – 09:30</td>
<td>Welcome – Tony Kouzarides, WT–CRUK Gurdon Institute &amp; Milner Institute, University of Cambridge</td>
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**Session 1 Chair: Jason Carroll, CRUK Cambridge Institute, University of Cambridge**

- **09:30 – 10:00** Greg Hannon, CRUK Cambridge Institute, University of Cambridge  
  Insights from a model of breast tumour heterogeneity
- **10:00 – 10:30** Róisín Owens, Dept of Chemical Engineering and Biotechnology, University of Cambridge  
  3D conducting polymer electrodes to host and monitor human organs
- **10:30 – 11:00** Sara-Jane Dunn, Microsoft Research  
  Programming biology
- **11:00 – 11:30** Coffee break

**Session 2 Chair: Jasmin Fisher, University College London & University of Cambridge**

- **11:30 – 12:00** Ed Bullmore, Dept of Psychiatry, University of Cambridge  
  Inflammation and depression
- **12:00 – 12:30** Marcel van Duin, Ferring Pharmaceuticals  
  R&D challenges in reproductive medicine and women’s health
- **12:30 – 13:00** Salvador Aznar-Benitah, IRB, Barcelona  
  Epigenetic influence of our (fatty) diet on metastatic-initiating cells
- **13:00 – 14:30** Lunch and poster viewing in the Guildhall

**Session 3: Parallel tracks**

**Session 3a: CNS Therapeutics. Chairs: John Skidmore & Maria Grazia Spillantini (McCrum Lecture Theatre)**

- **14:30 – 14:45** Introduction – Chairs
- **14:45 – 15:00** Zoe Kourzti, Dept of Psychology, University of Cambridge  
  Machine learning tools for modelling prognostic trajectories in dementia
- **15:00 – 15:15** George Malliaras, Dept of Engineering, University of Cambridge  
  Implantable devices for “dry” drug delivery in the brain
- **15:15 – 15:30** Jeff Dalley, Depts of Psychology & Psychiatry, University of Cambridge  
  A preclinical platform for immune target discovery in early life stress and depression
- **15:30 – 15:45** Maria Grazia Spillantini, Dept of Clinical Neurosciences, University of Cambridge  
  Tackling protein aggregation to treat Parkinson’s disease
- **15:45 – 16:00** Michael Jones, Cell Guidance Systems  
  Delivering Treatment of Parkinson’s Disease
- **16:00 – 16:15** Evan Reid, Cambridge Institute for Medical Research, University of Cambridge  
  Understanding cellular mechanisms of axonopathy in hereditary spastic paraplegias

**Session 3b: Oncology. Chairs: Rebecca Fitzgerald & Rab Prinjha (Main auditorium, Corn Exchange)**
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| 14:45 – 15:00| Gillian Griffiths, Cambridge Institute for Medical Research, University of Cambridge  
                Cancer Assassins: fine-tuning killer cells                        |
| 15:00 – 15:15| Christian Frezza, MRC Cancer Unit, University of Cambridge  
                Mitochondria and cancer: the emerging paradigm of oncometabolism |
| 15:15 – 15:30| Justin Bryans, LifeArc  
                Genetics – changing the DNA of healthcare                         |
| 15:30 – 15:45| Rebecca Fitzgerald, MRC Cancer Unit, University of Cambridge  
                What is required to shift cancer diagnosis and therapy towards earlier stage disease |
| 15:45 – 16:00| Frank McCaughan, Dept of Medicine, University of Cambridge  
                Lung cancer chemoprevention - a roadmap                            |

Session 3c: Antimicrobial Resistance and the Microbiome. Chairs: Kai Stoeber & Andres Floto (Guildhall)

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| 14:45 – 15:00| Leo Sánchez Busó, WT Sanger Institute  
                Impact of antimicrobials and sexual behaviour on the spread of gonorrhoea infections |
| 15:00 – 15:15| Andres Floto, Dept of Medicine, University of Cambridge  
                Killing bacteria ourselves                                         |
| 15:15 – 15:30| Sven Sewitz, Eagle Genomics  
                Emerging Challenges and Opportunities in Microbiome Data Analytics |
| 15:30 – 15:45| David Spring, Dept of Chemistry, University of Cambridge  
                Approaches to antibacterial discovery                                |
| 15:45 – 16:00| Trevor Lawley, Microbiotica & WT Sanger Institute  
                Precision metagenomics microbiome analysis in personalised medicine |

Session 3d: Cardiovascular and metabolism. Chair: Sanjay Sinha (Kings Room, Corn Exchange)

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| 14:45 – 15:00| Nick Morrell, Dept of Medicine, University of Cambridge  
                From genetics to new treatments for pulmonary arterial hypertension |
| 15:00 – 15:15| Sanjay Sinha, WT–MRC Cambridge Stem Cell Institute, University of Cambridge  
                'Disease-in-a-dish' for drug discovery in Marfan syndrome           |
| 15:15 – 15:30| Peter Kirwan, WT–MRC Institute of Metabolic Science, University of Cambridge  
                Modelling obesity with human hypothalamic neurons                   |
| 15:30 – 15:45| Shamima Rangwala, Janssen R&D  
                Novel therapeutics for eating disorders – targeting the GDF15/GFRAL axis and beyond |
| 15:45 – 16:00| Clemence Blouet, WT–MRC Institute of Metabolic Science, University of Cambridge  
                Targeting central metabolic sensing pathways to promote satiety    |

Session 4: Start-ups and investment in Cambridge (Guildhall)

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<tr>
<td>16:30 – 17:00</td>
<td>Jonathan Milner (Abcam) and Jason Mellad (Start Codon)</td>
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<tr>
<td>17:00 – 18:30</td>
<td>Drinks and networking</td>
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