

## **OHGE Community Meeting - Friday 7<sup>th</sup> June 2024**

**Nucleus Building, King's Buildings, Thomas Bayes Road, Edinburgh, EH9 3FG**

### **Programme**

#### **Welcome and Introduction**

09:00 – 09:10 Tim Aitman (IGC) and Iain Gordon (Mathematics, Head of College of Science and Engineering)

#### **Session 1**

*Chair – Wendy Bickmore*

09:10 – 09:30 Charlie Gourley (IGC) - *Whole genome sequencing reveals two routes to genomic chaos in high grade serous ovarian cancer*

09:30 – 09:50 Dónal O'Carroll (SBS) - *Safeguarding germline immortality*

09:50 – 10:10 Konrad Rawlik (Roslin/IRR) - *Is this the right context? Functional genomics in Covid-19 and beyond*

10:10 – 10:30 Natalie Ring (Roslin) - *Rapid diagnostic sequencing for pathogen identification and AMR prediction*

10:30 – 10:50 Tim Aitman (IGC) - *Cancer and rare disease: innovation in genome-based diagnostics*

**10:50 – 11:30 Break with posters**

#### **Session 2**

*Chair Jane Hillston*

11:30 – 11:50 Ian Simpson (Informatics) - *Graph Based Multi-Modal Data Integration for Genomic Medicine*

11:50 – 12:10 Mark Parsons (EPCC) - *Exascale and large-scale data science at Edinburgh*

12:10 – 12:30 Athina Spiliopoulou (Usher) - *Identifying core genes for disease through genome-wide aggregation of trans-effects*

12:30 – 12:50 Martin Taylor (IGC) - *Replication strand symmetry and the flavours of collateral mutagenesis in DNA damage tolerance*

**12:50 – 13:35 Lunch**

#### **Session 3**

*Chair Sara Brown*

13.35 – 13.40 Christina Boswell (Politics, Vice Principal for Research and Enterprise) - *Comments on One Health*

13:40 – 14:00 Dan Macqueen (Roslin) - *Leveraging genomics to improve fish health in aquaculture*

14:00 – 14:20 Liz Patton (IGC) - *Translational Melanoma Genomics Across Species*

14:20 – 14:40 Kellie Watson (Roslin) - *Leveraging Poultry Genomics for a One Health Approach in Africa*

14:40 – 15:00 Catherine Kidner (IMPS) - *Does a dynamic genome drive diversity?*

**15:00 – 15:40 Break with posters**

**Session 4**

*Chair Lisa Boden*

15:40 – 16:00 Annis Richardson (IMPS) - *Understanding the gene networks that control cereal development*

16:00 – 16:20 Miguel Garcia-Sancho (SSPS) - *A History of Genomics across Species, Communities and Projects*

16:20 – 16:40 Kenny Baillie (Roslin) - *Computational genomics for therapeutic development in the AI era*

16:40 – 17:00 Zarmena Khan (Oxford Nanopore Technologies) - *What You're Missing Matters*

**International Keynote Speaker**

*Chair Bruce Whitelaw*

17:00 – 17:30 Appolinaire Djikeng (Director General, International Livestock Research Institute) - *The role of Genomics in delivering the CGIAR mission: Science and innovations for the transformation of the food, land, and water systems in a climate crisis*

**Closing Remarks**

17:30 – 17:45 Rob Semple (CMVM)

**17:45 – 18:45** *Drinks reception*

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