

Molecular and Computational Biology Symposium 2019

Thursday Nov. 21st		Friday Nov. 22nd	
9:30-9:50	Registration with coffee/tea	9:30-10:00	Coffee/tea
9:50-10:00	Welcome address		
10:00-11:00	KL1 Tightening the Loop with Theory: Precision Experiments - <i>Quincey Justman (Cell Systems, Editor-in-chief)</i>	10:00-11:00	KL4 Using multi-layered networks and multi-omics analysis for precision medicine studies in the gut - <i>Tamás Korcsmáros (Earlham and Quadram Institutes)</i>
11:00-11:20	ST1 The PhoPR difference between M. tb and M. bovis and consequence in lipid biosynthesis - <i>Josemari Urtasun-Elizari (UCD)</i>	11:00-11:20	ST4 The repertoire of genes encoding the cell wall-anchored proteins in various lineages of bovine-adapted Staphylococcus aureus and their expression profile - <i>Shauna Drumm (Teagasc)</i>
11:20-11:40	ST2 Integrative genomics of the host response to Mycobacterium bovis infection - <i>Tom Hall (UCD)</i>		
11:40-12:00	Coffee break	11:20-11:40	Coffee break
12:00-13:00	KL2 Using functional genomics to understand patient heterogeneity within disease and in response to treatment - <i>Emma Davenport (Wellcome Sanger Institute)</i>	11:40-12:40	KL5 Whole-genome sequencing and complex trait association studies - <i>Arthur Gilly (Helmholtz Center, Munich)</i>
13:00-13:20	SP1 Introducing the QuantStudio™ 6 & 7 Pro Real-Time PCR Systems and Software - <i>BioSciences</i>	12:40-13:00	ST5 Multi-omic analysis of the chromatin landscape in recurrent childhood brain cancer - <i>Craig Monger (TCD)</i>
13:20-14:00	Lunch	13:00-14:00	Lunch
14:00-15:40	Poster session + coffee/tea	14:00-14:20	SP2 Spatially distributed signaling of the Rho GTPase network coordinate cell migration - <i>Oleksii Rukhlenko (SBI)</i>
		14:20-14:40	ST6 BAX and SMAC Regulate Bistable Properties of the Apoptotic Caspase System - <i>Stephanie McKenna (SBI)</i>
		14:40-15:00	SP3 Optimizing CRISPR ribonucleoproteins to achieve potent, precise genome editing - <i>IDT</i>
		15:00-15:20	ST7 Elucidating the effect of the microenvironment on signaling pathways in melanoma using a transwell co-culture system - <i>Cian D'Arcy (Charles Institute)</i>
		15:20-15:40	Coffee break
15:40-16:00	ST3 Engineering of Carbohydrates-Binding Proteins: Predicting Change in Binding Free-energy upon Mutation through Computer Simulations - <i>Sushil K. Mishra (NUIG)</i>	15:40-16:00	ST8 Towards a Pan Cancer Deep Learning Survival Model using Multi-omics - <i>Luis Iglesias-Martinez (SBI)</i>
16:00-17:00	KL3 The making of N-glycoproteins - <i>Markus Aebi (ETH Zürich)</i>	16:00-17:00	KL6 DNA-based molecular tools for monitoring cell signaling - <i>Ola Söderberg (Uppsala University)</i>
17:00+	Social event at UCD Clubhouse	17:00+	Reception + Awards
KEY: Keynote lecture, Short talk, Sponsor presentation			