

**Launch Conference**  
**SFI Centre for Research Training in Genomics Data Science**  
**Tuesday 3rd Sept 2019,**  
**Aran Suite, Salthill Hotel, Galway**

10.00-10.30	<b>Registration and tea/coffee</b>
<b>Session 1 – Chair Denis Shields</b>	
10.30-10.35	<b>Welcome</b> (Ciarán Ó hÓgartaigh - President of NUI Galway)
10.35-10.40	<b>Introduction to the CRT</b> (Cathal Seoighe – CRT Director)
10.40-11.25	<b>Data-driven biology: from medieval times to renaissance</b> Anton Nekrutenko, Penn State University, USA
11.25-11.40	<b>Genomic rearrangements and the sex lives of yeasts</b> Ken Wolfe, University College Dublin
11.40-12.00	<b>Tea/Coffee</b>
<b>Session 2 – Chair Gianpiero Cavalleri</b>	
12.00-12.15	<b>Exploring bifidobacterial genomes: from transcriptome to methylome</b> Douwe van Sinderen, University College Cork
12.15-13.00	<b>Dosage constraints and the evolution of gene copy number and gene expression</b> Aoife McLysaght, Trinity College Dublin
13.00- 14.00	<b>Lunch</b>
<b>Session 3 – Chair Eva Szegezdi</b>	
14.00-14.45	<b>Understanding heterogeneity in Acute Myeloid Leukemia through bulk and single-cell gene expression profiling</b> Remco Loos, Celgene Institute for Translational Research, Seville, Spain
14.45-15.00	<b>The complex genetics of Amyotrophic Lateral Sclerosis</b> Orla Hardiman, Trinity College Dublin
15.00-15.15	<b>Addressing the cancer challenge through a data-enabled lens</b> Mark Lawler, Queens University Belfast
15.15-16.00	<b>Population genetics in an era of precision medicine</b> Eimear Kenny, Icahn School of Medicine at Mount Sinai, USA
16.00-16.20	<b>Tea/Coffee</b>
<b>Session 4 – Chair Pasha Baranov</b>	
16.20-17.05	<b>Population sequencing data reveal a compendium of mutational processes in the human germline</b> Shamil Sunyaev, Harvard Medical School, USA
17.05-17.20	<b>Exploring the potential roles of the human microbiome using computational modelling</b> Ines Thiele, National University of Ireland, Galway
17.20-17.35	<b>Title to be confirmed</b> Anthony Ryan, Genomics Medicine Ireland
17.35-17.50	<b>Data integration and machine learning platforms for the translation of biological network models into the clinic – Colon Cancer as an example</b> Jochen Prehn, Royal College of Surgeons Ireland
17.50-18.00	<b>Close of conference</b>