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| **Session Time** | **Presentation Time** | **Speaker** | **Title** |
| **Day 1 : Tuesday 4th September  (No parallel sessions).  Conference Theatre.** |
| **10:30 - 12:00** | **Registration** |
| **12:00 - 12:45** | **Registration and Lunch** |
| **12:45 - 14:30** | **Welcome and Keynote Speakers      Chaired by Matt Loose** |
|   | 12:45 - 13:00 | Matt Loose | Welcome and Housekeeping |
|   | 13:00 - 13:45 | Keynote Speaker 1: [Sergey Koren (NIH/NHGRI)](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#SergeyKorenProfile) | Title: [Genome assembly for the long-read era](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#SergeyKorenAstractName). |
|   | 13:45 - 14:30 | Keynote Speaker 2: [Professor Ewan Birney](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#EwanBirneySpeakerProfile) (EBI) | Title: [Big Data in Biology and Medicine](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#EwanBirneyAbstract)(working title) |
| **14:30 - 15:00** | **Coffee Break** |
| **15:00 - 16:35** | **Evolving Technologies     Part1    Chaired By Mike Quail.   Conference Theatre.** |
|  | 15:00 - 15:25 | [Mark Akeson](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#MarkAkesonProfile) (UCSC) | Title: [There and Back Again: Sequencing RNA with Nanopores.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#MarkAkesonAbstract) |
|   | 15:25 - 15:55 | [Niall Gormley](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#NiallGormleyProfile) (Illumina) | Title: [Sample preparation for NGS on a surface](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#NialGormleyAbstract). |
|   | 15:55 - 16:15 | [Lia Chappell](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#LiaChappellprofile)(Wellcome Sanger Institute) | Title: [Methods for sequencing thousands of cells in parallel](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#LiaChappellAbstract).  |
|   | 16:15 - 16:35 | [Barry Merriman](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#BarryMerrimanProfile)(Roswell Biotechnologies) | Title: [The Final Disruption: Molecular Electronics for DNA sequencing.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#BarryMerrimanAbstract) |
| **16:35 - 16:50** | **Coffee Break** |  |  |  |  |
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| **16:50 - 18:05** | **Evolving Technologies     Part2     Chaired By Mike Quail****Conference Theatre** |  |  |  |
|   | 16:50 - 17:10 | [Cameron Frayling (Base4](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#CameronFraylingProfile)) | Title: [An Introduction to the Base4 Sequencing Platform.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#CameronFraylingAbstract) |
|   | 17:10 17:28 | Deyra Rodriguez (New England Biolabs) | Title: [Novel Approaches to Address Challenges in Sample Preparation.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#DeyraRodriguezNEBAbstract) |
|   | 17:28 - 17:40 | [Andy Higgs](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#AndyHiggprofile)(Advanced Analytical) | Title: [Automating QC of large DNA with the FEMTO Pulse.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#AndyHiggsAAiAbstract) |
|   | 17:40 - 18:05 | [Clive Brown](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#CliveBrownProfile)(Oxford Nanopore Technologies) | Title: The latest from nanopore sequencing |
| **18:05 - 19:30** | **Poster Session (split into two poster attending times)****(18:20 - 19:20) 'Meet the Editor' with Andrew Cosgrove, Senior Editor of Genome Biology.****Drinks and canapes sponsored by Oxford Nanopore Technologies.** |
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| **Day 2 : Wednesday 5th September** |
| **08:30 - 09:00** | **Registration** |
| **09:00 - 10:40  Parallel Session 1a :   Animal and Plant Genomics    Chaired by Mick Watson.  Conference Theatre.** |
|   | 09:00 - 09:30 | [Federica Di Palma](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#FedericaDiPalmaProfile) (Earlham Institute) | Title: [Evolution of gene regulatory networks controlling traits under natural selection in cichlids.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#FredericaDiPalmaAbstract) |
|   | 09:30 - 09:50 | [Daniel Mead](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#DanielmeadProfile)(Wellcome Sanger Institute) | Title: [The 25 Genomes Project, sequencing a broad taxonomic assortment of UK species](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#DanielMeadAbstract). |
|   | 09:50- 10:10 | Ramiro Alberio (University of Nottingham) | Title: [Lineage segregation, X chromosome dynamics and regulation of pluripotencyduring pig embryogenesis revealed by single cell RNA-seq](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#RamiroAlberioAbstract). |
|   | 10:10 - 10:28 | Seyhan Yazar (University of Edinburgh) | Title: [De novo Genome and Transcriptome Assemblies of the Bare-nosed Wombat.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#SeyhanYazarAbstract) |
|   | 10:28 - 10:40 | Jon Rock (Lexogen) | Title: QuantSeq: Gene expression profiling with all the trimmings. |
|  **09:00 - 10:40  Parallel Session 1b:    Microbial Genomics    Chaired by Emily Richardson  Conference Suite 3.** |
|   | 09:00 - 09:25 | [Pedro Oliveira](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#PedroOliveiraSpeakerProfile) (Mt Sinai Hospital, New York) | Title: [The chromosomal organisation of horizontal gene transfer in bacteria.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#PedroOliveiraAbstract) |
|   | 09:25 - 09:50 | [Gemma Langridge](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#GemmaLangridgeSpeakerProfile)(University of East Anglia) | Title: [Metabolic signatures of host adaptation in Salmonella enterica.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#GemmaLangbridgeAbstract) |
|   | 09:50- 10:10 | [James McInerney](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#jamesMcinerneyProfile) (University of Nottingham) | Title: [Why Prokaryotes Have Pangenomes.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#JamesMcInerneyAbstract) |
|   | 10:10 - 10:28 | William Rowe (Science and Technology Facilities Council) | Title: [Indexed variation graphs for efficient and accurate resistome profiling](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx). |
|   | 10:28 - 10:40 | Ralph Vogelsang (PacBio) | Title:  [See bacterial genomes in high resolution with SMRT Sequencing.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#RalphVogelsangAbstract) |
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| **10:40 - 11:15** | **Coffee Break** |
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| **11:15 - 13:15  Parallel Session 2a :   Clinical Genetics    Chaired by Saskia Sanderson.  Conference Theatre.** |
|   | 11:15 - 11:40 | [Cathryn Lewis](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#CathrynLewisProfile) (King's College London) | Title: [Applying polygenic risk scores to psychiatric disorders - hype and hope](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#CathrynLewisAbstract). |
|   | 11:40 - 12:05 | [D.Gareth R Evans](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#GarethEvansProfile) (The University of Manchester) | Title: [Breast cancer pathology and stage are better predicted by risk stratification models that include mammographic density and common genetic variants.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#GarethEvans_Abstract) |
|   | 12:05 - 12:20 | Steve Pullan (Public Health England) | Title: [Nanopore sequencing for viral clinical sample investigation; In-field metagenomics from the largest ever recorded Lassa fever outbreak.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#StevePullenAbstract) |
|   | 12:20 - 12:35 | [Greg Elgar](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#GregElgarProfile)(Genomics England) | Title: T[he End of the Beginning - the Genomics England 100,000 Genomes Project.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#GregElgarAnstract) |
|   | 12:35 - 12:53 | [Kathryn Woodfine](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#AgilentKathrynProfile)(Product Specialist, Agilent Technologies) | Title: [The Agilent NGS workflow](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#AgilentKathrynWoodfineAbstract). |
|   | 12:53 - 13:11 | [Danielle Folkard](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#DanielleFolkardProfile)(Qiagen) | Title: [QIAGEN solutions for clinical genomics.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#ElizabethHomerQiagenAbstract) |
| **11:15 - 13:15  Parallel Session 2b :   Eukaryotic Microbe Genomics   Chaired by Christiane Hertz-Fowler.  Conference Suite 3.** |   |
|   | 11:15 - 11:40 | [Rachel M. Chalmers](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#RachelChalmersProfile) (Public Health Wales) | Title: [Cryptosporidium genomics: where have we come from and where are we going?](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#RachelChalmersAbstract) |  |  |  |  |  |  |  |
|   | 11:40 - 12:05 | [Matt Berriman](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#mattBerrimanProfile) (Wellcome Sanger Institute) | Title: [Comparative genomics insights into the evolutionary history of malaria.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#MattBerrimanAbstract) |  |  |  |  |  |  |  |
|   | 12:05 - 12:30 | [Matthew Fisher](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#MatFisherProfile) (Imperial College London) | Title: [Big Genomics approaches to addressing Big Fungal Problems](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#MattFisherAbstract). |  |  |  |  |  |  |  |
|   | 12:30 - 12:45 | Amber Leckenby (University of Liverpool) | Title: [Genomic analyses of Entamoeba histolytica using third-generation sequencing.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#AmberLeckenbyAbstract) |  |  |  |  |  |  |  |
|   | 12:45 - 13:00 | Rajan Pandey (University of Nottingham) | Title: [Deciphering Plasmodium Condensin during atypical cell divisionand proliferation.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#RajanPandeyAbstract) |  |  |  |  |  |  |  |
|   | 13:00 - 13:15 | Rahila Sardar (Jamia Hamdard, New Delhi) | Title: [Genome wide in silico analysis of Plasmodium species transcription factorsand regulators for novel drug discovery.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#RahilaSardarAbstract) |  |  |  |  |  |  |  |
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| **13:15 - 14:15 :   Lunch** |  |  |  |  |  |  |  |
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| **14:15 - 16:00  Parallel Session 3a :   Microbial Populations     Chaired by Nick Loman    Conference Theatre.** |  |  |  |  |  |  |  |
|   | 14:15 - 14:40 | [Alan Walker](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#AlanWalkerAbstract) (Rowett Institute, Aberdeen) | Title: [The human gut microbiome: myths and truths](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx). |  |  |  |  |  |  |  |
|   | 14:40 - 15:05 | [Lesley Hoyles](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#LesleyHoyleProfile) (Nottingham Trent University) |  Title: [Towards understanding the role of the gut microbiome in fatty liver disease.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#LesleyHoylesAbstract) |  |  |  |  |  |  |  |
|   | 15:05 - 15:20 | Josh Quick (University of Birmingham) | Title: [Assessing ultra-deep, long-read metagenomics on Oxford Nanopore PromethION.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#JOshuaQuickAbstract) |  |  |  |  |  |  |  |
|   | 15:20 - 15:35 | Benjamin Thomas (Aberystwyth University) | Title: [Pills 'n' Thrills and Bellyaches: Using AMPLY for computational novel antibiotic discovery in really strange places.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#BenjamonThomasAbstract) |  |  |  |  |  |  |  |
|   | 15:35 - 15:47 | Katherine Brown (University of Cambridge) | Title: [Identification of viral transcripts in RNA-seq datasets from bees, mites and ants.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#KatherineBrownAbstract) |  |  |  |  |  |  |  |
|   | 15:47 - 15:59 | [Sarah Hemmasi](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#SarahhemmasiProfile)(Cambridge Bioscience) | Title: [Standardizing Microbiomics – Removing Bias in Collection, Purification and Analyses](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#SarahHemmasiAbstract) |  |  |  |  |  |  |  |
| **14:15 - 16:00  Parallel Session 3b :   Developmental Biology     Chaired by Aziz Aboobaker.  Conference Suite 3.** |  |  |  |  |  |  |  |
|   | 14:15 - 14:40 | [Dario Riccardo Valenzano](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx) (Max Planck Institute For Biology Of Ageing) | Title:  [The genomic phylogeny of African killifishes reveals pervasive genome-wide relaxation of selection upon adaptation to annual environments](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#DarioValenzanoAbstracts) |  |  |  |  |  |  |  |
|   | 14:40 - 15:05 | [Bertie Gottgens](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#BertieGottgensProfile)(University of Cambridge) | Title: [A single-cell resolution roadmap from mouse gastrulation to early organogenesis](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#BertieGottgensAbstract) |  |  |  |  |  |  |  |
|   | 15:05 - 15:20 | Anish Dattani (University of Oxford) | Title: [Epigenetic analyses of planarian stem cells demonstrate conservation of bivalent histone modifications in animal stem cells.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#AnishDattaniAbstract) |  |  |  |  |  |  |  |
|   | 15:20 - 15:35 | Abdulkadir Abakir (University of Nottingham) | Title: [N6-methyladenosine regulates cell cycle dynamics of RNA:DNA hybrids.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#AbdulkadirAbakirAbstract) |  |  |  |  |  |  |  |
|   | 15:35 - 15:47 | Alysha Taylor (University of Leeds) | Title:  [A Comparative Genomics Approach to Identify microRNAs Specific to PlacentalMammals.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#AlyshaTaylorAbstract) |  |  |  |  |  |  |  |
|   | 15:47 - 15:59 | [Meena Anissi](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#MeenaAnissiTwistProfile)(Twist Bioscience)  | Title: Improving the Performance, Efficiency and Flexibility of Targeted Sequencing |  |  |  |  |  |  |  |
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| **16:00 - 16:20** | **Coffee Break** |  |  |  |  |  |  |  |
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| **16:20 - 18:10 :   Parallel Session 4a :   SIngle Cell Genomics     Chaired by Lia Chappell   Conference Theatre.** |  |  |  |  |  |  |  |
|   | 16:20 - 16:50 | [Viginia Howick](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#VirginiaHowickProfile)(Wellcome Sanger Institute) | Title: [A Malaria Cell Atlas: Understanding transcriptional variation across the *Plasmodium*life-cycle using single-cell RNA-seq](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#VirginiaHowickAbstract) |  |  |  |  |  |  |  |
|   | 16:50 - 17:20 | [Wolf Reik](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#WOlfReikProfile) (The Babraham Institute) | [Title: Single cell epigenome landscape of development and agein](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#WolfReikAbstract)g |  |  |  |  |  |  |  |
|   | 17:20 - 17:40 | [Peter Vegh](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#PeterVeghProfile)(Newcastle University) | Title: [Discovering the diversity of human skin immune cells using single-cell RNA-seq](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#PeterVeghAbstract) |  |  |  |  |  |  |  |
|   | 17:40 - 17:52 | [Daniel Liber](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#DanieLiberProfile)(TakaraBio) | Title: [ICELL8 cx: The Open Platform for Single-Cell Genomics](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#DanLibertakaraBioAbstract) |  |  |  |  |  |  |  |
|   | 17:52 - 18:10 | Stephen Hague (10X Genomics) | Title: Chromium System, recent and future advances. |  |  |  |  |  |  |  |
| **16:20 - 18:10 :   Parallel Session 4b :   Evolutionary Genomics     Chaired by James McInerney. Conference Suite 3.** |  |  |  |  |  |  |  |
|   | 16:20 - 16:45 | [William F. Martin](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#BillMartinProfile) (Dusseldorf University) | Title: [In search of genome number 1: Uncovering the genome of the first microbe.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#WilliamMaritnAbstract) |  |  |  |  |  |  |  |
|   | 16:45 - 17:10 | [Jordi Paps](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#JordiPapsProfile)(University of Essex) | Title: [Reconstruction of the first animal genome reveals a burst of genomic novelty](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#JordiPapsAbstract) |  |  |  |  |  |  |  |
|   | 17:10 - 17:20 | Fiona Whelan (University of Nottingham) | Title: [The co-occurrence and co-exclusion of evolving objects in prokaryotes.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx) |  |  |  |  |  |  |  |
|   | 17:20 - 17:40 | [Silvia Busoms](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#SilviaBusomsPorfile) (John Innes Centre, Norwich) | Title: [Ecological and population genomics reveals fluctuating selection on migrant adaptive sodium transporter alleles in coastal Arabidopsis thaliana](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#SilviaBusomsAbstract). |  |  |  |  |  |  |  |
|   | 17:40 - 17:55 | Peter Mulhair (University of Leeds) | Title: [Gene fusion events in Metazoa – patterns of emergence and potential use asphylogenetic markers.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx) |  |  |  |  |  |  |  |
|   | 17:55 - 18:10 | Gabriel Rech (Institut de Biologia Evolutiva (IBE-CSIC)) | Title: [Unravelling transposable element diversity using long-read sequencing.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx) |  |  |  |  |  |  |  |
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| **18:10 - late** | **Conference Dinner Sponsored by Oxford Nanopore Technologies** |  |  |  |  |  |  |  |
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| **Day 3 : Thursday 6th September** |  |  |  |  |  |  |  |
| **08:30 - 09:15** | **Registration with extended Coffee Break** |  |  |  |  |  |  |  |
| **09:15 - 11:05** | **Computational Biology. Chaired by Richard Emes.  Conference Theatre.** |  |  |  |  |  |  |  |
|   | 09:15 - 09:35 | [Chris Ponting](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#ChrisPontIngPROFILE)(Edinburgh) | Title: [Identifying causal variants in complex disease that alter transcription factor binding](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#ChrisPontingAbstract) |  |  |  |  |  |  |  |
|   | 09:35 - 09:55 | Devika Agarwal (University of Oxford) | Title: [A meta-analysis of microglial transcriptomic datasets to prioritize disease related targets and mechanisms in neuro-inflammation and neurodegeneration in Alzheimer’s disease.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#DevikaAgarwalAbstract) |  |  |  |  |  |  |  |
|   | 09:55 - 10:15 | [Mirjana Efremova](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#MirjanaEfremova_Profile) (Wellcome Sanger Institute) | Title: [Decoding cell-cell interactions at the maternal-fetal interface using single cell transcriptomics](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#MirjanaEfremovaAbstract) |  |  |  |  |  |  |  |
|   | 10:15 - 10:25 | Martin Fahrenberger (University of Regensburg) | Title: [Exploring Spatial Transcriptomics: From tissue sections to gene expression patterns.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#MartinFahrenbergerAbrstract) |  |  |  |  |  |  |  |
|   | 10:25 - 10:35 | Sarah Bastkowski (Earlham Institute) | Title: [Networks to catch the difference: Construction and analysis of Regulatory Networks applied to East African Lake Cichlids.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#SarahBastkowskiAbstract) |  |  |  |  |  |  |  |
|   | 10:35 - 10:47 | [Ivan K. Lukić](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#IvanLukicProfile) (Partek) | [Title: Single cell RNA-Seq data analysis with Partek® Flow®](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#IvanPartkeAbstract) |  |  |  |  |  |  |  |
|   | 10:47 - 11:05 | Wil Wellington (Product Director, Verne Global) | Title: [Computational biology in the cloud. How high performance computing (HPC) within the cloud is accelerating our ability to analyse complex biological compute workloads efficiently.](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#WILLWellingtonVERNEGlobalAbstract) |  |  |  |  |  |  |  |
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| **11:05 - 11:35** | **Coffee Break** |  |  |  |  |  |  |  |
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| **11:35 - 13:30** | **Closing Keynote Speakers             Chaired by Matt Loose** |  |  |  |  |  |  |  |
|   | 11:35 - 12:20 | Keynote 1: [Dr Kathie Grant](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#KathiegrantProfile)(Public Health England) | Title: [Exploiting genomics for investigating gastrointestinal infectious disease](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#DrKathiGrantAbstract). |  |  |  |  |  |  |  |
|   | 12:20 - 13:05 | Keynote 2: [Kevin Davies](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/speaker-profiles/speaker-profiles.aspx#KevinDaviesSpeakerProfile) | Title: [Observations on the Road to the $1,000 Genome](https://www.nottingham.ac.uk/conference/fac-mhs/lifesciences/genome-science-2018/abstracts/abstracts.aspx#KevinDaviesAbstract).  |  |  |  |  |  |  |  |
|   | 13:05 - 13:30 | Matt Loose | Prizes and Closing Business |  |  |  |  |  |  |  |
| **13:30 - 14:30** | **Lunch (with packed lunch options)** |  |  |  |  |  |  |  |
| **14:30** | **Conference Ends** |  |  |  |  |  |  |  |