

## Previous Seminars

Date	Speaker	Title
08.10.10	Jacqui Chan	Bacteriophages of Marine Roseobacter
15.10.10	Anna Stincone	A Systems Biology approach shows OmpR is required for acid resistance to E. Coli BW25113
22.10.10	Rosemary Dyson	Modeling Plant Root Growth
29.10.10	Sonia Martins	Optimal survival strategies for plasmids in biofilms and chemostats
12.11.10	Rafik a Salama	A thermodynamic approach for Multiple Sequence Alignment of DNA non coding regions (TFBS)
19.11.10	Robert Clegg	Modeling Bacterial Population Dynamics
26.11.10	Jan Kreft	Individual-based modelling of horizontal gene transfer in biofilms
03.12.10	Ralf Weber	Characterisation of Isotopic Abundance Measurements in High Resolution FT-ICR and FT-Orbitrap Mass Spectra for Improved Confidence of Metabolite Identification
10.12.10	Francesco Falciani	Reverse engineering biological networks as a tool in modern biology
28.01.11	Dave Smith	Hard spheres versus PDEs: two conflicting approaches to modelling swimming cells.
04.02.11	Greg Carslaw, Julie Christian and Dietmar Heinke	Modelling destigmatisation: An agent-based approach to intergroup contact.
11.02.11	Peter Winn	Investigating the Role of EvgS in Acid Resistance via Structural Bioinformatics. Does it have a pH Detection Domain?
18.02.11	S han He	Feature selection for high-dimensional omics data
25.02.11	Mihail Halachev	Orthologues in Prokaryotes: Computation and Applications
04.02.11	Mark Pallen	High-throughput sequencing in clinical microbiology: opportunities and challenges.
11.03.11	Susanne Schmidt	When modelling biodegradation on the micro scale, degrader colony distribution does matter.
18.03.11	Nick Loman	Genomics & Cloud Computing
25.03.11	Bhima Van der Molen	
01.04.11	Olga Hrydziusko	Missing data in mass spectrometry based metabolomics
08.04.11	Chinmay Kanchi	Modelling the gut microbiota
15.04.11	Dorota Herman	Mathematical model for transcription regulation of plasmid RK2 and its evolutionary optimization
06.05.11	John Heath	Protein Computing
13.05.11	Robert Clegg	Modelling Replicative Senescence
20.05.11	Nil Turan	Mesenchimal cell differentiation
27.05.11	Yuiko Takbayashi	Exploring the interaction(s) between thiomarinol and its target enzyme
03.06.11	Shan He	Optimization methods
10.06.11	Andrew Smith	Symmetry breaking flow in the zebrafish embryo
17.06.11	Jacqueline Chan	Multi-drug resistant Acientobacter baumannii - genomic profiling of an emerging hospital pathogen
24.06.11	Jan Kreft	Public goods - private shares
02.09.11	Rosemary Dyson	The role of extracellular matrix anisotropy in determining tissue architecture

09.09.11	Wazeer Versally	Genome-wide ChIP-chip and network analysis of ribosomal proteins L7, L11, L25 and NMD factor Upf1 in <i>S. pombe</i>
16.09.11	Ralph Weber	Investigating the effects of metabolic manipulation in patients undergoing coronary artery and aortic valve surgery using mass-spectrometry-based approaches.
23.09.11	Bhima Van der Molen	
30.09.11	Martin Sergeant	Analysis of the chicken microbiome using 16S and metagenomics
07.10.11	Jaanika Kronberg	High level dynamical models of non-model species
14.10.11	Mark Pallen	Open-source genomics of the German <i>E. coli</i> outbreak.
21.10.11	Dave Smith	What's the best way for a sperm to swim?
28.10.11	Mihail Halachev	What presence/absence of genes can tell us about bacterial phylogeny
04.11.11	Nick Loman	Sequencing on the benchtop
11.11.11	Shan He	Complex network analysis algorithms
18.11.11	Jan Kreft	Does a single bacterial cell grow exponentially?
25.11.11	Rob Clegg	Divide and conquer: how do bacteria deal with damage?
09.12.11	Peter Winn	A new relational database for PDB, Pfam and SwissProt
20.01.12	Sonia Martins	Studying plasmid transfer and stability in a community of hosts: theoretical and experimental insights
10.02.12	John Heath	Q & A
24.02.12	Yuiko Takbayashi	Exploring the interaction(s) between thiomarinol and its target enzyme
02.03.12	Nick Duggett	High throughput sequencing of the chicken-gut microbiome
09.03.12	Noorie Karimbocus	Modelling the Ras GTPase cycle using the Stochastic Pi Machine
20.03.12	Peter Winn	Burial Preferences in Proteins Reflect Biological Utility as well as their Physical Properties
27.04.12	Jan Kreft	Code verification/validation or what can go wrong in scientific computing?
04.05.12	Thomas Johnson	Swimming in Biological Fluids
11.05.12	Helani	Sodium valproate - studies on <i>C.elegans</i>
18.05.12	Kim Clarke	A Model of Human Skeletal Muscle Ageing Provides Insights Into a Potential Role for Eukaryotic Initiation Factor 6 in Regulating Energy Metabolism
25.05.12	Shan He	Biological network analysis -- new algorithms and preliminary results
08.06.12	Rob Clegg	Ageing and Repair in Bacteria: an Individual-based Modelling approach
15.06.12	Dave Parker	Design and Analysis of DNA Strand Displacement Devices using Probabilistic Model Checking
22.06.12	Ralf Weber	Workshop : Optimized Analytical Quality of Direct-Infusion Mass Spectrometry-Based Metabolomics
07.12.12	Sara Jabbari	Mathematical modelling of gene regulation networks in bacteria
14.12.12	Feng Dong	Mathematical modelling the impact of silver nanoparticles on the formation and structure of biofilm
11.01.13	Jan Kreft	Bacterial Patterns on Plant Leaves
18.01.13	Ralf Weber	
25.01.13	Aditi Kanhere	Many Faces of transcription factor GATA3
01.02.13	Aaron Sloman	How can a planet (or a cloud of dust) produce Minds, Mathematics Music and Marmite (along with murder, religious bigotry, and other nastiness)?

15.02.13 Jacqui Chan

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22.02.13 Robert Clegg

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01.03.13 Rosemary Dyson The mechanics of plant root growth

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08.03.13 Peter Winn Hydrophobicity, Self Assembly and Amino Acid Solvent Accessibility

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15.03.13 Lindsey Leach Homoeologous gene expression in hexaploid bread wheat

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