

Poster Session 1 (Thursday, 11 July: 13:30-15:30)

Session 1: Bacterial Systems biology

No	Presenter	Poster Title
58	Ahrens, Christian	An integrative proteogenomics strategy to identify the entire protein coding potential of prokaryotic genomes
67	Ardré, Maxime	Colonisation of the air liquid interface by pseudomonas fluorescens and ecological consequences
73	Banaei-Esfahani, Amir	A Mycobacterium tuberculosis protein atlas
75	Baptista, Ines	Efficiency and Robustness to Nonoptimal Temperatures of Nucleoid Exclusion Processes in Escherichia coli
97	Cho, Seung-Hak	A genome wide construction of lectin glycan interaction (LGI) network in the early stage of enterohemorrhagic E. coli (EHEC) infections
116	Domínguez-Molina, Lucía	Small Alarmone Synthetases/Hydrolases as novel toxin-antitoxin systems in Coprobacillus and Cellulomonas
125	Froschauer, Kathrin	Exploring small proteins in the food-borne pathogen Campylobacter jejuni
126	Fuchino, Katsuya	Improved acetaldehyde production by engineered Zymomonas mobilis strains
128	Gaspar, Paula	A systems level approach to understand exopolysaccharide synthesis in industrial strains of Streptococcus thermophilus
129	Geiselman, Johannes	Controlling the growth rate of E. coli by limiting transcription or DNA replication
141	Hawkins, John	Variable-efficacy CRISPRi reveals evolutionarily conserved relationships between fitness and the expression levels of essential genes
146	Hocq, Rémi	Strategies for CRISPR/Cas9 genome editing of atypical bacteria: Example of C. beijerinckii DSM 6423
149	Imholz, Nicole	The role of basal ppGpp levels in bacterial growth rate control
155	Kang, Yoon Hyeok	Large quantities secretion to culture medium with epidermal growth factor and trigger factor fused protein in Escherichia coli
156	Kashtan, Nadav	Bacterial systems biology of water-unsaturated habitats: Cell survival in microscopic droplets
165	Koo, Byoung-Mo	Dissection of Cell Envelope Pathways in Bacillus subtilis
176	Cancelled	Cancelled
198	Monteiro, Lummy Maria Oliveira	Reverse engineering of an aspirin-responsive regulator in bacteria
205	Nugroho, Avis	An experimental approach of prolonged biocatalysis in non-growing cells for the measurement of catalytic capacity and decay
211	Parker, Darren	Precise stoichiometry of tRNA charging enzymes is optimized for cell growth
215	Poulsen, Vera Kuzina	High-throughput screening for polysaccharide-producing lactic acid bacteria
220	Rivkin, Anna	Uncovering a Cell-Cell Communication Mechanism of Malaria Parasites
224	Caballero-Montes, Julien	Regulation of (p)ppGpp hydrolysis by a conserved archetypal regulatory domain
227	Rousset, François	Multiple CRISPRi screens reveal differences in gene essentiality among the E. coli species

237	Schöpping, Marie	Application of genome-scale metabolic modeling to identify the nutritional requirements of two industrially-relevant <i>Bifidobacterium</i> strains
244	Silvis, Melanie	Chemical genetic interrogation of the essential genes in <i>E. coli</i> using CRISPRi
269	van Kooten, Mariëlle	Genetic Programs in a Synthetic Bacterial Genome
284	Kim, Hyo Jin	Alleviation of metabolic congestion in the glycerol flux enhances the production of 3-hydroxypropionic acid from glucose and xylose in a recombinant <i>Escherichia coli</i>
287	Ye, Chao	Cell division activates transcription of alternative sigma factor RpoD4 in <i>Synechococcus elongatus</i>
289	Zhao, Zhongshu	Interaction of <i>Vibrio cholerae</i> chromosome 2 replication initiator RctB with replication origin oriCII

Session 2: Cell Biology & Protein machineries

No	Presenter	Poster Title
65	Alves, Luana de Fátima	Combining acid-resistance metagenomic genes and 5-HMF-resistance gene to engineer <i>Saccharomyces cerevisiae</i> strains for improved tolerance to harsh consolidated-bioprocesses conditions
68	Arias Orozco, Patricia	Expression of single-ringed lanthipeptides with a Novel SyncM-modification system in <i>Lactococcus lactis</i>
74	Banzhaf, Manuel	The outer membrane lipoprotein NlpI nucleates hydrolases within peptidoglycan multi-enzyme complexes in <i>Escherichia coli</i>
77	Bárria, Cátia	<i>Streptococcus pneumoniae</i> RNase R affects ribosome dissociation and translation
80	Beckham, Kate SH	Structural insights into the role of the conserved ATPase component, EccC, in the mycobacterial T7SS
81	Cancelled	Cancelled
89	Byun, Hyunjong	Supercharging and Superneutralizing the Cargo Proteins Greatly Improve the Secretion Efficiency through Bacterial ABC Transporters
109	Delhaye, Antoine	The lipoprotein NlpE is a Cpx sensor that serves as a sentinel for protein sorting and folding defects in the <i>Escherichia coli</i> envelope
120	El Rayes, Jessica	Revisiting lipoprotein sorting in Gram-negative bacteria: Disorder also matters
123	Foutel-Rodier, Theo	Putting pieces back together: ndd-induced disorganization of <i>E. coli</i> nucleoid
131	Morcinek Orłowska, Joanna	The interaction between replication factor DiaA and primary metabolite sedoheptulose 7 phosphate directly regulates DNA replication in <i>Escherichia coli</i>
132	Godessart, Pierre	Outer membrane - peptidoglycan interactions in <i>Brucella abortus</i>
150	Jana, Biswanath	Modular type VI secretion system effector with a new widespread DNase toxin domain and a marker for T6SS substrates
160	Kjos, Morten	Identification of a novel cell splitting control protein in <i>Staphylococcus aureus</i>
168	Kraus, Sebastian	DNA uptake during bacterial transformation – testing predictions of a translocation ratchet model
174	Lee, Hongwook; Ha, Jiheun	Application of supercharged protein to allow secretion-based production of a broad range of recombinant proteins through the ABC-transporter system
180	Liedtke, Janine	Spore Appendages
186	Mallick, Sunanda	Septal Peptidoglycan Synthesis in <i>E.coli</i> : Triggered by Mid-cell localization of a Cell division protein FtsE
187	Mandela, Eric	The Gram-negative bacterial periplasm; Architecture significance
189	Marino, Nicole	Discovery and Mechanisms of Type V-A CRISPR-Cas Inhibitors
200	Moura, E. C.	Adapting a bacterial two-hybrid system to screen in vivo for compounds inhibiting the <i>E. coli</i> Lpt machinery assembly
230	Saenz, James	Lipidomic adaptation of the bacterium <i>M. extorquens</i> in response to environmental changes
231	Salomon, Dor	Novel family of membranal type VI secretion system effectors revealed by comparative genomics
233	Santos, Marina	The role of the tyrosine kinase Wzc (SII0923), the phosphatase Wzb (Slr0328), and other players in the production of extracellular polymeric substances (EPS) by <i>Synechocystis</i> PCC 6803

234	Saramago, Margarida	Endoribonucleases from the legume symbiont <i>Sinorhizobium meliloti</i>
236	Schneider, Johannes	Roles of TssA-like proteins in Type VI secretion system biogenesis
247	Sinkunas, Tomas	DNA interference machinery in a type I-F CRISPR-Cas system
252	Stubenrauch, Christopher	A lateral gating mechanism is central to the operation of the translocation and assembly module
253	Sueki, Anna	Surface Exposure of Lipoproteins in <i>Escherichia coli</i> : How Much and How?
258	Talà, Lorenzo	Interferometric scattering microscopy (iSCAT) reveals how <i>Pseudomonas aeruginosa</i> use type IV pili to twitch on surfaces
262	Tejada Arranz, Alejandro	Subcellular distribution of the <i>Helicobacter pylori</i> RNA degradosome, a major actor in post-transcriptional regulation
263	Thouvenel, Laurie	Deciphering the mechanisms underlying outer membrane lipid transport in mycobacteria
266	Tseytin, Irit	From Transmembrane Domains to Bacterial Virulence
273	Viéitez, Cristina	Genetic dissection of the functional relevance of protein phosphorylation in <i>S.cerevisiae</i>
279	Weiss, Gregor L.	Structure and function of a bacterial gap junction analog

Session 3: Regulation, Signaling & Transcriptional networks

No	Presenter	Poster Title
76	Barahona, Susana	A new player in cell signaling: BolA regulates the second messenger c-di-GMP and favors bacterial sessile lifestyle
82	Bobonis, Jacob	Bacterial retrons encode for a novel Toxin-Antitoxin type
83	Bose, Avipsa	A split STAND adenylyl cyclase of mycobacteria binds to and condenses DNA
87	Buke, Ferhat	Signalling Molecule Guanosine-tetraphosphate (ppGpp) Achieves Cell Size Control Through Regulation of Global Transcription in E.coli
90	Wu, Yao	Fatty acid DSF binds and allosterically activates histidine kinase RpfC of phytopathogenic bacterium <i>Xanthomonas campestris</i> pv. <i>campestris</i> to regulate quorum sensing and virulence
91	Carvalho, André	Bacterial response to stress: The role of DNA methylation
93	Cerckel, Guillaume	ScuR and SarF desynchronises competence and predation in the human gut commensal <i>Streptococcus salivarius</i>
96	Charpentier, Xavier	Diverse conjugative elements silence natural transformation in <i>Legionella</i> species
108	de Dios, Rubén	Two EcfG σ Factors Finely Control the General Stress Response in <i>Sphingopyxis granuli</i> TFA
112	Desgranges, Emma	A 3' UTR derived small RNA in <i>Staphylococcus aureus</i> , RsaG, regulates redox homeostasis in response to glucose-6-phosphate
121	Ellis, Michael	Exploring the bacterial response to cell stress with an sRNA reporter library
130	Glaesmann, Mathilda	Revealing new insights into the osmotic stress response in <i>E. coli</i> by single molecule localization microscopy
137	Gummesson, Bertil	Valine-Induced Isoleucine Starvation in <i>Escherichia coli</i> K-12 Studied by Spike-In Normalized RNA Sequencing
139	Hardy, Aël	Speech is silver, silence is golden: Role of Lsr2-like proteins in the interplay between Actinobacteria and their phages
148	Hussein, Nahla A.	Tuning the <i>E.coli</i> Rcs envelope stress response via the multitask control button IgaA.
172	Lalaouna, David	RsaC sRNA modulates the oxidative stress response of <i>Staphylococcus aureus</i> during manganese starvation
173	Ledesma-Garcia, Laura	Study of the pheromone specificity of ComRS, the quorum sensing system that controls competence in streptococci
194	Jensen, Pernille Rose	In Cell NMR Provides Direct Mechanistic Insight Into Glycolytic Regulation
196	Mignolet, Johann	Mobilization of microbiota commensals and their weapons for therapeutics
208	Osadnik, Hendrik	A new deep-sequencing method to measure spacing between translating ribosomes in vivo
213	Peschek, Nikolai	A conserved seed-pairing domain affords small RNA-mediated stress resistance in enterobacteria
216	Prossliner, Thomas	Ribosome hibernation ensures efficient regrowth by maintaining ribosome stability across starvation conditions
217	Qian, Wei	Proteolysis of a histidine kinase inhibits autophosphorylation and promotes bacterial stress resistance
219	Ratner, Hannah	Catalytically active Cas9 mediates transcriptional interference to facilitate bacterial virulence
238	Schulte, Jane	The phosphatase SixA targets the nitrogen-related phosphotransferase system and is required for <i>Escherichia coli</i> colonization of the mouse intestine

243	Silva, Inês Jesus	Regulating the terminator: SraL sRNA interaction prevents the premature transcription termination of rho mRNA in <i>Salmonella Typhimurium</i>
250	Stella, Robert	Development of <i>Vibrio natriegens</i> , and its prophage-free variant, as a novel host for biotechnology
251	Stokar-Avihail, Avigail	Abundant communication in phages and mobile elements infecting pathogenic bacteria
255	Svenningsen, Sine Lo	Regulated to a T: Arginine tRNA levels finetune expression of CsrA targets and control transcription of Type 1 fimbrial genes in <i>Escherichia coli</i> K-12
257	Tal, Nitzan	Lysogeny in arbitrium-harboring phages is regulated by antisense RNA
259	Tamman, Hedvig	Nucleotide-switch mechanism controls the catalytic cycle of Rel from <i>Thermus thermophilus</i>
270	Van Nerom, Katleen	Molecular study of allosteric feedback regulation of GDP/GTP-pyrophosphokinase
271	Vang Nielsen, Stine	hipBST, a three-component type II toxin – antitoxin module of <i>Escherichia coli</i> O127
281	Winther, Kristoffer S.	Deciphering the activation mechanism of RelA in <i>E. coli</i>
290	Zhou, Bing	Arginine dephosphorylation propels spore germination in bacteria

Poster Session 2 (Friday, 12 July: 13:30-15:30)

Session 4: Pathogenesis & Infection

No	Presenter	Poster Title
59	Aigal, Sahaja	Septins protect host cells against pseudomonas aeruginosa invasion
63	Alessia, Landi	The impact of the Pseudomonas aeruginosa lectin LecB on wound healing
71	Aung, Thet	Elevated cyclic-di-GMP levels and expression of the type III secretion system promote Pseudomonas aeruginosa keratitis biofilm
72	Avican, Kemal	PATHOGENEX: Human bacterial pathogen gene expression database
78	Bauer, Richard	High level H ₂ O ₂ production in a subpopulation of Streptococcus anginosus strains due to a pyruvate oxidase with high homology to Streptococcus pneumoniae
85	Brandel, Annette	The impact of flotillins on endocytosis, trafficking and signalling induced by the P. aeruginosa lectin LecA
86	Brodmann, Maj	The role of the dynamic Type VI Secretion System in Francisella virulence
88	Butina, Karen	Electrochemical sensing of bacteria via secreted redox active compounds using conducting polymers
103	Crosskey, Tom	Deciphering the role of ATPases in mycobacterial Type VII secretion
110	Deng, Chaoying; Yang, Ruo-Lan	A Large-Scale Mutational Analysis of Two-Component Signaling Systems of Lonsdalea quercina Revealed that KdpD-KdpE Regulates Bacterial Virulence Against Host Poplar Trees
111	Denic, Milica	A novel mechanism of regulation of metal transport in the gastric pathogen Helicobacter pylori
114	Diepold, Andreas	Controlling the bacterial type III secretion system through protein dynamics
124	Frensch, Marco	Alternative B cell activation by the bacterial lectin BamBL
133	Gorelik, Orna	Enteropathogenic E. coli enhances its virulence upon detection of Vibrio cholerae autoinducer-1 (CAI-1)
134	Górna, Maria	RNA-binding proteins as tools in enrichment of bacterial mRNA and sRNA for transcriptome profiling and diagnostics of infectious diseases
136	Grigorov, Artem	Resuscitation of dormant 'non-culturable' Mycobacterium tuberculosis is characterized by immediate transcriptional burst
151	Jensen, Pernille Rose	Untangling metabolism between infected mammalian host cells and intracellular pathogens
179	Li, Xiang	Temporal Variation of Gastrointestinal Microbiota in Gestational Diabetic and Non-Diabetic Women during Pregnancy
182	Liu, Xue	Pathogenesis study of Streptococcus pneumoniae by CRISPRi-seq identifies new virulence factors
184	Lopatina, Anna	Zorya - a novel defense system widespread in bacteria, with a broad anti-phage activity
190	Marteyn, Benoit	Enteropathogen mediated oxygen depletion is essential for intestinal mucosa colonization
202	Müller, Peter Fritz	Developing a liposome-based phage therapy to fight the perpetual threat of intracellular bacterial pathogens
206	Ofir, Gal	TIR domains as key players in bacterial anti-phage immunity
209	Parau, Georgiana	Intracellular survival of Enterobacter cloacae complex in human macrophages

212	Patidar, Anil	Intracellular Mycobacterium tuberculosis hijacks host secreted GAPDH for acquisition of iron carrier protein as an alternative iron acquisition strategy
222	Roba, Agnès	Biosynthetic adaptations and morphological alterations of Brucella abortus inside host cells
226	Rostøl, Jakob	Non-specific degradation of transcripts promotes plasmid clearance during type III-A CRISPR–Cas immunity
228	Rutschmann, Ophélie	Single-cell heterogeneity of Macrophages infected with Mycobacterium Tuberculosis
239	Selkrig, Joel	Spatiotemporal proteomics during Salmonella infection
240	Di Martino, Maria Letizia	Barcoded Consortium Infections Resolve Cell Type Dependent Salmonella Typhimurium Entry Mechanisms
241	Serapio-Palacios, Antonio	Unraveling the host-pathogen protein-protein interactions during EPEC infection
242	Servais, Caroline	Disulphide bond formation in Brucella abortus periplasm
246	Singh, Nidhi	Probing the assembly of type III secretion system core export apparatus by in-vivo photocrosslinking
264	Tien, Brenda Yin Qi	Mechanism of immune modulation in macrophages by Enterococcus faecalis
265	Toro-Moreno, Maria	Exploring the Role of Host Trafficking Pathways in Plasmodium Liver-Stage Infection
268	Van der Woude, Marjan	Contact-Dependent Inhibition effects elucidated with an interdisciplinary approach
275	Walch, Philipp	Global mapping of host-pathogen interactions during Salmonella infection
276	Wang, Ke-Chuan	The impact of formate in Shigella flexneri after invading into HeLa cells
278	Weil, Tobias	Linking Omics and Ecology to dissect Vector-Pathogen Interactions
286	Yang, Tao	Functional insights into the role of FLCN in Neisseria gonorrhoeae infection
288	Zelcbuch, Lior	Applying advanced synthetic engineering capabilities for developing phage cocktail

Session 5: Antibiotic action-resistance-persistence

No	Presenter	Poster Title
56	Afonina, Irina	Combinatorial genetics approach to prevent and disrupt biofilm-associated infection
60	Ainelo, Andres	Nanobody-based mapping of RelA-SpoT regulation sites
61	Ainelo, Hanna	Characterization of novel RSH inhibitors
62	Al Sorkhy, Mohammad	Discovery of new anti-bacterial agents via molecular modelling
66	Apjok, Gábor	Genetically enhanced, hybrid bacteriophage particles to study the impact of mobile antibiotic resistance reservoir in bacterial pathogens
69	Asare, Leonard	Interaction of Antimicrobial Compounds with selected drugs used in the Clinical Management of Sickle Cell Disease (SCD)
92	Cepauskas, Albinas	Ingenuity of Phages knows no bounds. Mycobacterium phage phrann utilizes Toxin-antitoxin system that involves ppGpp to hamper the growth of its host
94	Chakraborty, Jeet	Alteration of bacterial genome architecture, a target for designing new antimicrobial chemotherapeutics
98	Ciechonska, Marta	Adaptive gene expression fine-tunes cellular responses to antibiotic challenge
99	Cimarelli, Lucia	Isolation and Characterization of Secondary Metabolites Active against Multi-Drug Resistant Staphylococcus aureus
104	Crua Asensio, Núria	The cell growing state controls how bacteria respond to antibiotic treatment
113	Díaz-Pascual, Francisco	Breakdown of biofilm architecture in response to antibiotics facilitates community invasion
115	Diez-Santos, Isabel	Selection of chloramphenicol-resistant bacteria under low levels of ciprofloxacin
119	Dubiley, Svetlana	Multiple Components of Peptide-nucleotide Antibiotic Microcin C Production System Have Evolved to Preferentially Use Seven Aminoacid Precursor Peptide
122	Eom, Tae-Yang	Rapid screening of anti-bacterial compounds against human skin microbe by colony picking method
138	Haagensen, Janus	Determining fitness of clinical P. aeruginosa isolates associated with persistent lung infections using a pharmaco-dynamic biofilm model system
142	Heesterbeek, Dani	Generation of a fluorescent reporter system in E. coli to study bacterial membrane damage by the immune system and antibiotics
143	Heinecke, Christine L.	Cationic Nanocluster Development for Antimicrobial Applications
144	Hernando-Amado, Sara	Evolutionary conservation of collateral susceptibility to tobramycin in Pseudomonas aeruginosa after short-term evolution in the presence of ceftazidime
145	Herpels, Pauline	Interactomics analysis to understand the Opg-mediated persistence pathway
147	Huber, Florian	Predicting antibacterial drug mode of action using machine learning
154	Kang, Na Hee	Myxinidin2 and Myxinidin3 Suppress Inflammatory Responses through STAT3 and MAPKs to Promote Wound Healing
159	Kim, Jung-Sup	Newly isolated Lysinibacillus macroides produces heat-labile bacteriocins against Gram-positive bacteria
163	Klimecka, Maria	Proteolysis-Targeting Chimeras in bacteria: A novel strategy for functional studies of proteins
169	Kumar, Sumith	Understanding the response of the gastric pathogen Helicobacter pylori to the metal Bismuth

171	Lai, Yi-Hui	The Uptake Mechanism of synthetic siderophore conjugates in gram-negative bacteria
175	Lee, Sa Hong	Macropis fulvipes Venom component Macropin Exerts its Antibacterial and Anti-Biofilm Properties by Damaging the Plasma Membranes of Drug Resistant Bacteria
177	Li, Liping	Transposon-Insertion Sequencing reveals the genetics underpinning bacterial tolerance of common hospital and household biocides
185	Mahrt, Niels Jonas	Periodic bottlenecks in experimental antibiotic resistance evolution
195	Meza-Torres, Jazmin	Listeriolysin S, a contact-dependent bacteriocin from <i>Listeria monocytogenes</i>
204	Nordholt, Niclas	Heterogeneity in the bacterial response to disinfection and its impact on antibiotic tolerance and resistance
207	Oh, JunHee	Antibacterial activity and mechanism of action of analogues derived from the antimicrobial peptide mBjAMP1 isolated from <i>Branchiostoma japonicum</i>
210	Park, Hee Joo	Antibacterial Activity and Action Mechanism of Antimicrobial Peptide Hp1404 and its Analogue Peptides against Multidrug-resistant <i>Pseudomonas aeruginosa</i>
214	Postek, Witold	Microfluidic platform for screening of antibiotic susceptibility at a single-cell level
232	Samhita, Laasya	Mistakes can stress you out: Mistranslation leads to ciprofloxacin resistance in <i>E.coli</i>
235	Scheler, Ott	Droplet microfluidics reveals heteroresistance pattern in bacteria at single cell level
245	Singh, Deepti	Molecular events leading to bacterial cell death upon treatment with phytochemical Hydroxychavicol
248	Smyshlyaev, Georgy	Structural and evolutionary insights into the broad transfer of antibiotic resistance by bacterial transposons
249	Sommer, Lea Mette Madsen	Molecular underpinnings of the early response to antibiotic treatment in persistent infection
254	Sünderhauf, David	Antimicrobial Resistance gene removal by conjugative delivery of CRISPR-Cas9
256	Szili, Petra	Predicting bacterial antibiotic resistance by accelerated mutagenesis
277	Warrier, Thulasi	Genomics-based discovery of novel, druggable targets in <i>Pseudomonas aeruginosa</i>
282	Woller, Aurore	Immunity and competition between bacteria in the gut

Poster Session 3 (Saturday, 13 July: 13:30-15:00)

Session 6: Microbial communities/ microbiotas/ symbiosis

No	Presenter	Poster Title
57	Aho, Velma	Gut microbiota and short-chain fatty acids in Parkinson's disease
64	Ali, Mohammed	Isolation of catalase-proficient commensal microbes from human feces and their use as anti-inflammatory agents
70	Assad, Lina	Heterologous Expression of New Siderophores from the Strains <i>Bacillus velezensis</i> FZB42 and <i>Yersinia pseudotuberculosis</i> YPIII
79	Bechon, Nathalie	Dancing with capsules: <i>Bacteroides thetaiotaomicron</i> surface polysaccharides impact on anaerobic biofilm formation
84	Bozcal, Elif	Investigation and comparison of bacterial genera in <i>Mytilus galloprovincialis</i> collected from Istanbul and Izmir coastal stations of Turkey
95	Chan, Paul KS	Hong Kong Gut Microbiota Databank (HKGutMicMap) – Interim Analysis on The Pilot Cohort
100	Cancelled	Cancelled
101	Cont, Alice	Biofilms induce Buckling of soft substrates
106	Da Silva Barreira, David	Attenuation of dextran sulphate sodium-induced colitis in mice by <i>Lactobacillus paracasei</i> biofilm
107	Daniels, Michael	Quantifying the consequences of metabolic interactions on the collective metabolism of microbial consortia
117	Douillard, François	Multi-omic approaches to elucidate a case of infant botulism
127	Garcia-Santamarina, Sarela	Probing the impact of drugs on in vitro gut microbial communities
135	Grenier, Theodore	Probing the mechanistical basis of nutritional mutualism between host and facultative bacterial commensals using holidic diets in <i>Drosophila</i>
140	Singh, Praveen K.	BiofilmQ, a comprehensive software tool for quantitative image analysis of microbial biofilms
152	Jia, Huijue	Differential associations of fecal and cervical microbiomes with other omics
153	Jin, Jianshi	Probing Taxa-Specific Bacterial Coordinational Distribution in Intestinal Microbiota by Super-accurate Method BarBIQ
157	Kim, Gwanghee	Transplanting <i>Staphylococcus epidermidis</i> in mouse airway confers resistance to subsequent <i>Pseudomonas aeruginosa</i> infection
158	Kim, Heenam	Subspecies-level imbalance in <i>Faecalibacterium prausnitzii</i> in the gut microbiota underlying atopic dermatitis
162	Kleyer, Hannah	Soil hydration state and interspecies interactions determine bacterial community composition across a wide range of initial inoculation ratios
166	Kortekangas, Emma	Associations between gut microbiota and intestinal inflammation, permeability, and damage in young Malawian children
167	Koumoutsis, Alexandra	Interkingdom interactions between <i>Candida albicans</i> and <i>Escherichia coli</i>
170	Kutmutia, Shruti	Metaphenomic and Metagenomic Characterisation of Prokaryotes in Air relative to other environments
178	Li, Sophia Hsin-Jung	Tissue-engineered airway and intestinal organoid systems for mechanistic characterization of host-microbe interactions
183	Lo, Wen-Sui	Structure and function of the native microbiome of the nematode <i>Pristionchus pacificus</i>

188	Marbouty, Martial	Deciphering human gut microbiome and internal relationships using 3C based approaches and the MetaTOR pipeline
191	Martineau, Eugénie	Designing <i>Lactobacillus</i> spp strains to modulate the vaginal environment and to treat bacterial vaginosis
192	Massinissa, Ouidir	The use of antifungal lactic acid bacteria as bioprotective culture in cereal and dairy mimicking models
193	Matos, Renata C.	<i>Lactobacillus plantarum</i> cell envelope and <i>Drosophila</i> linear growth promotion
223	Roje, Blanka	Microbiome dependent urinary bladder gene expression
225	Rosy, Tamara	Cellular advective-diffusion drives the emergence of bacterial surface colonization patterns and heterogeneity
229	Saak, Christina	Developing an experimental system to study how selective access to iron alters microbial communities
260	Tawk, Caroline	Exploring microbiome-host interactions at the single-cell and single-gene level
267	Van der Woude, Marjan	Modification of the immunodominant O-antigen: The occurrence, significance and the acetyltransferase
274	Vogel, Verena	Killing of competitors - Bacteriocin production of <i>Streptococcus anginosus</i>
280	Westermann, Alexander	Deciphering the RNA biology of a dominant human gut commensal
283	Wong, Jeremy	The Effects of Spatial Organization and Fluid Flow on Iron Cheating in <i>Pseudomonas aeruginosa</i>

Session 7: Evolution & Ecology

No	Presenter	Poster Title
102	Cossey, Sarah	Kin discrimination, interference competition, and outer membrane exchange in a natural population of <i>Myxococcus xanthus</i>
105	Cury, Jean	Back to the future of bacterial population genomics
118	Daniels, Michael	A swim or stick behavioural switch governs growth of <i>Caulobacter crescentus</i> cells on complex polysaccharides
161	Kleshnina, Maria	Game theoretic approach to marine bacteria foraging strategies in fluctuating environments
164	Knopp, Michael	De novo selection of peptides that confer antibiotic resistance
181	Lim, Boon Yuean Serene	An Ultra-Low DNA Detection Approach to Reveal the Dynamics and Acclimatization of Microbial Aerosols
197	Monaco, Hilary	Metabolic prudence in space: How <i>Pseudomonas aeruginosa</i> integrates diffusional signals into the metabolic regulation of a cooperative secretion
199	Moreno-Fenoll, Clara	Imaging of individual cells in <i>Pseudomonas</i> populations uncovers a novel distribution pattern of the extracellular iron-scavenger pyoverdinin
201	Mukherjee, Anuradha	Different ecological routes to mat formation in <i>Pseudomonas fluorescens</i>
203	Nagy, Krisztina	Emergence of Bacterial Phage Resistance in Complex Landscapes of Stress
218	Rathmann, Isabel	Gene transfer between bacterial subspecies causes fitness changes
221	Rixham, Sarah	Empirical and in silico analysis of bacterial contact inhibition: How inhibition potency influences microcolony spatial structure
261	Tecon, Robin	Fragmented aqueous habitats affect bacterial plasmid transfer in porous environments
272	Vashishtha, Kartika	Deciphering the evolutionary significance of maintaining cryptic genetic systems by bacteria
285	Yan, Tony	Exposure to microwave irradiation at constant culture temperature slows the growth of <i>Escherichia coli</i> cells, leading to modified proteomic profiles
291	Hülsmann, Matthias	Potential benefits of metabolic specialisation and exchange in clonal populations