

Abbà, Silvia		
<b>Role of social wasps in yeast ecology: analyzing wasp gut conditions to uncover chemical-physical factors promoting <i>Saccharomyces cerevisiae</i> outbreeding</b>		41
Adekunle, Danielle		
<b>Investigating the genome dynamics of early interspecific hybridisation</b>		42
Angaroni, Fabrizio		
<b>KinBiont: from time series data to hypotheses about ecological and evolutionary processes of microbes</b>		43
Araque, Luis		
<b>Phenotypic characterization of all known yeast lineages of the <i>Saccharomyces</i> genus</b>		44
Arter, Meret		
<b>Characterizing the rapid evolution of meiotic recombination proteins</b>		45
Aulakh, Simran		
<b>The molecular landscape of cellular metal ion homeostasis</b>		46
Barak-Gavish, Noa		
<b>Tapping into the microbial interactions that govern bacterial phenotypic plasticity in plant microbiomes</b>		47
Bassler, Stefan		
<b>Genomic landscape of resistance evolution</b>		48
Batun, Zayra		
<b>Evaluating the genotypic and phenotypic stability of CRISPRi essential-gene mutants in <i>Burkholderia cenocepacia</i></b>		49
Benedetti, Jérôme		
<b>Causes of gut microbiota host specificity in social bees</b>		50
Benitez, Belen	Presenter: Belda, Ignacio	
<b>Ecological context shapes <i>Saccharomyces cerevisiae</i> transcriptome in wine fermentation</b>		51

**EMBO Workshop: Molecular mechanisms in evolution and ecology**

Benitez, Belen	
<b>Molecular mechanisms of interspecies interactions in wine yeast communities</b>	52
Blanton, Alison	
<b>Naïve but prepared: exploring the pesticide-degrading potential of the insect microbiota</b>	53
Brito, Patricia H.	
<b>Comparative genomics and transcriptomics of native and HGT genes in a fructophilic yeast lineage</b>	54
Burmølle, Mette	
<b>Interspecific interactions alter functionality and promote the key-stone species in a synthetic four-species community</b>	55
Burrichter, Anna	
<b>Life in the community: a deeper look into metabolic adaptation of bacteria using community proteomes and metabolic modelling</b>	56
Cannon, Nikki	
<b>Automated analysis of the structural and functional diversity in Dictyostelids genomes</b>	57
Case, Ella	
<b>Investigating how diatom-bacteria interactions drive glyco-carbon storage in the ocean</b>	58
Chattopadhyay, Gopinath	
<b>Unraveling the evolutionary dynamics of gene regulation in Escherichia coli</b>	59
Chávez, Alexandra	
<b>Transgenerational plasticity in clonal plants is fitness relevant for the giant duckweed and its herbivore the waterlily aphid</b>	60
Cheah, Denise Yirui	
<b>Molecular mechanisms underlying transcriptional noise and its role in promoter evolution</b>	61
Csoboz, Bálint	
<b>Exploring adaptive evolution in synthetic polyploid yeasts</b>	62

Czerwinski, Anna		
<b>c-di-GMP mediated adaptation of symbiotic bacteria to <i>C. elegans</i></b>		63
Darling Eriksen, Freya		
<b>Community interactions shape pathogen proliferation within synthetic urobiome consortia</b>		64
Dash, Swagatika		
<b>The amino acid roulette - unveiling the evolutionary advantage of heterogeneity in auxotrophies of soil bacteria</b>		65
Debray, Reena		
<b>When is microbial strain sharing evidence for transmission?</b>		66
Denisov, Stepan		
<b>Genotype-phenotype maps of simple phage lambda promoters</b>		67
Dibyachintan, Soham		
<b>Cryptic genetic variation shapes the fate of gene duplicates in a protein interaction network</b>		68
Duchene, Carole		
<b>Mechanisms of vertical transmission of brown algal viruses</b>		69
Dufour, Alice		
<b>Single-cell optogenetic analysis of the early fate of mutators</b>		70
Fixsen, Della		
<b>Evolution of novel metabolic pathways</b>		71
Frail, Sarah		
<b>Caught in the act: initial stages of endosymbiotic evolution in Epithemia</b>		72
Frizzo, Riccardo		
<b>Towards a multi-omics characterisation of microbiomes in natural and constructed saltmarshes in the Venice lagoon</b>		73
Fuqua, Timothy		
<b>Quantifying the molecular mechanisms which bias and constrain promoter emergence in <i>E. coli</i></b>		74

**EMBO Workshop: Molecular mechanisms in evolution and ecology**

Gabriels, Minke	
<b>Emergent patterns in mechanistic metabolic models of microbial community assembly</b>	75
Garber, Megan	
<b>Exploring the role of clade-conserved stretches of amino acids in unstructured regions of transcription regulators: a case study of Gcn4 evolution in budding yeasts</b>	76
García-Ruano, Daniel	Presenter: Hsu, Ian
<b>Engineering heterothallic strains in fission yeast</b>	77
Garofía, Ana	Presenter: Fumasoni, Marco
<b>Experimentally evolving cellular miniaturization</b>	78
Geraldes, Ines	
<b>Evolutionary repairing anaphase</b>	79
Goldbach, Leander	
<b>Discrete constraints and the network structure of nucleotide alphabets determine the evolvability of the RNA genotype-phenotype map</b>	80
Gonçalves, Carla	
<b>Similar evolutionary trajectories in bee-associated microorganisms</b>	81
Guan, Rui	
<b>Genetic response of prevalent gut commensal Bacteroides uniformis to chemicals and drugs</b>	82
Haberkorn, Chloé	
<b>Adaptive benefits of hybridization in Saccharomyces yeast under thermal stress: genomic and fitness analyses</b>	83
Halim, Stephanie	
<b>Using lethal mutagenesis to elucidate how host proteostasis networks influence sequence space accessible to evolving viral proteins</b>	84

Hanon, Samuel		
<b>Exploring the natural diversity of the Crabtree effect in <i>Saccharomyces cerevisiae</i></b>		85
Hans, Julian		
<b>Revealing three decades of temporal changes in canopy-associated communities in German forests by metabarcoding using archived leaf samples</b>		86
Hays, Michelle		
<b>Living with a killer: how coevolved <i>Saccharomyces cerevisiae</i> become killer toxin resistant</b>		87
Heineike, Benjamin		
<b>The role of metabolism in shaping enzyme structures over 400 million years of evolution</b>		88
Helsen, Jana		
<b>Evolution at the point centromere interface</b>		89
Hénault, Mathieu		
<b>Rapid accumulation of structural variants shape the evolution of genome architecture in human clinical isolates of <i>Saccharomyces cerevisiae</i></b>		90
<i>Cancelled</i>		91
Hogan, Andrew		
<b>A high-throughput imaging assay to quantify bacterial defense against protist predation</b>		92
Holland, Mische	Presenter: Levin, Tera	
<b>Dynamics of bacterial virulence gene evolution within environmental battlegrounds</b>		93
<i>Cancelled</i>		94

**EMBO Workshop: Molecular mechanisms in evolution and ecology**

Isaksson, Hanna		
<b>Adaptive evolutionary trajectories in complexity: repeated transitions between unicellularity and differentiated multicellularity</b>		95
Izquierdo-Gea, Sergio		
<b>Intraspecific genomic and phenotypic diversity in <i>Yarrowia lipolytica</i>, an industrially relevant yeast</b>		96
Jain, Akanksha	Presenter: Coudreuse, Damien	
<b>Cell size and adaptation in the fission yeast <i>Schizosaccharomyces pombe</i></b>		97
Jain, Akanksha		
<b>Impact of cell volume on the evolutionary strategies of eukaryotic cells</b>		98
Jansen, Paul Mathias		
<b>Environmental isolates of a fungal pathogen: unveiling the evolution of <i>Candida albicans</i> from historic strains to modern human hosts</b>		99
Jasineviciene, Gerda		
<b>Insights of ScV-LA capsid localization in <i>Saccharomyces cerevisiae</i> yeasts</b>		100
<i>Cancelled</i>		101
Joubert, Alexandra	Presenter: Boule, Jean-Baptiste	
<b>Molecular ecology of water kefir</b>		102
<i>Cancelled</i>		103
Kaiser, Sebastian		
<b>Recombination drives a molecular arms race between the bacteria and the bug</b>		104

Kalapis, Dorottya	Presenter: Kovacs, Karoly	
<b>Gene loss and compensatory evolution drives pre-adaptation to new environments through transcriptional rewiring</b>		105
Kehila, Dan		
<b>Marine snow: a fleeting structure promoting rapid and cooperative microbial hydrolysis</b>		106
<i>Cancelled</i>		107
King, Grant		
<b>Leveraging an evolutionarily stable plasmid to identify ecDNA host factors</b>		108
Kloss, Lea		
<b>Investigating the predictability of evolutionary trajectories in minimal cells</b>		109
Konovalovas, Aleksandras		
<b>Totivirus satellites as a sandbox for evolution in Ascomycota yeasts</b>		110
Kudoh, Aoi		
<b>Sex determination in Dioscorea tokoro, a dioecious wild yam species</b>		111
Laloo, Jessica		
<b>Drastic population size reduction alters the ecological dynamics of predator and prey and in turn their evolutionary trajectories</b>		112
Lam, Darren		
<b>Apoptosis as an adaptive strategy for evolving unicellular populations</b>		113
Lee, Dongkyu		
<b>Elucidating inhibitor escape of NDM-1 metallo-<math>\beta</math>-lactamase variants using deep mutational scanning</b>		114

**EMBO Workshop: Molecular mechanisms in evolution and ecology**

Lee, Nga Yin Megan		
<b>The role of nutrient utilisation strategies in microbial coexistence</b>		115
Liu, Jun		
<b>Interactions with manure native microbiota drive ammonia mitigation and evolution of an extrinsic synthetic community</b>		116
Liu, Ming		
<b>Unifying microbial and community ecology: when do microbial communities become more stable?</b>		117
Liu, Pengfei		
<b>3D chromatin maps of a brown alga reveal U/V sex chromosome spatial or-ganization</b>		118
Maeda, Tomoya		
<b>Analysis of dependence and independence of microbial community assembly on carbon sources through community assembly experiments</b>		119
Martin, Nena	Presenter: Duveau, Fabien	
<b>New tools to study the mutational input of gene expression plasticity at the transcriptome scale in <i>S. cerevisiae</i></b>		120
Martin, Nena	Presenter: Yvert, Gaël	
<b>Trans-acting mutations reveal genetic modulators of intrinsic and extrinsic gene expression noise</b>		121
Martins, Patrícia		
<b>Experimental evolution of extended lifespan in <i>Saccharomyces cerevisiae</i></b>		122
Martin, Nora		
<b>Tackling the complexity of plastic genotype-phenotype maps with a simple model</b>		123
Mederer, Michael	Presenter: Elhabashy, Hadeer	
<b>The Interacting Species Database (ISDB): a comprehensive resource for studying coevolution in ecological interactions</b>		124
Metzger, Brian		
<b>The tempo and mode of gene expression noise evolution</b>		125



Molinet, Jennifer		
<b>Disentangling the genetic bases of adaptation to a warmer world</b>		126
Mozzachiodi, Simone		
<b>Metabolic dependencies shape co-adaptation to chemical stress in a yeast-bacteria synthetic community</b>		127
Muenzner, Julia		
<b>Exploiting the proteome diversity of natural <i>S. cerevisiae</i> isolates to link aneuploidy tolerance to protein turnover</b>		128
Muñoz-Guzmán, Felipe		
<b>Enhancing maltose consumption in <i>Saccharomyces eubayanus</i> through experimental evolution</b>		129
Nagendra, Prachitha		
<b>How does gene flow affect adaptation in <i>Saccharomyces cerevisiae</i>?</b>		131
Natalino, Mariana		
<b>Compensatory evolution to DNA replication stress is robust to glucose availability</b>		132
N'Guessan, Arnaud		
<b>Experimental evolution on the fission yeast reveals mechanisms involved in yeast species divergence and the adaptation to low oxygen levels</b>		130
Noly, Ambre		
<b>Diversity of sexual reproduction strategies in wild isolates of fission yeasts</b>		133
Peña, Tomas	Presenter: Cubillos, Francisco	
<b>An integrative taxonomy approach reveals <i>Saccharomyces chiloensis</i> sp. nov. as a newly discovered species from Coastal Patagonia</b>		134
Picco, Andrea	Presenter: Kaksonen, Marko	
<b>Evolutionary cell biology of endocytosis in dikarya fungi</b>		135

**EMBO Workshop: Molecular mechanisms in evolution and ecology**

Puehringer, Florian	
<b>A wolf in sheep's clothing: dissecting the molecular mechanism of a microtubule-based selfish killer</b>	136
Raach, Benjamin	
<b>Collective microbial metabolism under fluctuating conditions: expanding the proteome allocation framework from clonal populations to multi-species communities</b>	137
Raj M, Namratha	
<b>How do cooperators evolve in the presence of cheaters in various public good systems of <i>Saccharomyces cerevisiae</i>?</b>	138
Rapon, Valentin	
<b>Emergence of two interacting subpopulations in yeasts exposed to acetic acid</b>	139
Rego, Alexandre	Presenter: Stelkens, Rike
<b>Dynamics of adaptation and trade-off evolution in complex environments</b>	140
Römhild, Roderich	
<b>Hidden functions of transposable genetic elements in physiology, fitness and evolution of bacteria</b>	141
Santana Souza, Lucas	
<b>Costs and benefits of reproductive synchronization in endosymbioses</b>	142
Saha, Saheli	
<b>Bacterial predators limit the de novo evolution of antibiotic resistance in prey species</b>	143
Saona, Luis A	Presenter: Villarreal, Pablo
<b>Species-sorting drives fungal microbial composition in response to temperature change</b>	144
Sarkadi, Zsuzsa	
<b>Compensatory adaptation in asexual life cycle fuels sexual trait evolution in yeast</b>	145

Sato, Yuya		
<b>Effect of the microbial interaction density on changes in the microbial community structure</b>	146	
Sedeño, Iván	Presenter: Morales, Lucia	
<b>Elucidating the origins, evolutionary history, dynamics, and functions of introgressed genes in <i>Saccharomyces</i> yeasts from the Tropical Americas</b>	147	
Sharoni, Ton		
<b>Untangling the evolutionary link between environmental stress and antiviral immunity in corals and sea anemones</b>	148	
Sichert, Andreas		
<b>Emergent mutualism in communities that degrade complex marine polysaccharides</b>	149	
Soldini, Luca		
<b>Selfishness and the evolution of atypical reproductive modes</b>	150	
Song, Yuyao		
<b>Context-aware comparison of cell type gene expression across species</b>	151	
Stanojkovic, Aleksandar		
<b>Along the speciation continuum in cyanobacteria</b>	152	
Sunagawa, Junya		
<b>Understanding the benefit / cost trade off of an obligate mutualism from ecologically and evolutionarily aspects</b>	153	
Stuermer, Vanessa		
<b>Towards a microfluidic platform for mapping foraging strategies of protistan predators in soil-like environments</b>	154	
Swamy, Krishna		
<b>Multi-chromosomal aneuploidy is a proteotoxicity-tolerating mutation in introgressed hybrids</b>	155	
Szathmári, Benedek		
<b>RNA-binding protein genes might shed light on the origin of basidiomycete fruiting bodies</b>	156	

**EMBO Workshop: Molecular mechanisms in evolution and ecology**

Tassios, Aimilios	
<b>Origins and evolution of structural and sequence protein novelty across the entire budding yeast subphylum</b>	157
Tellini, Nicolò	
<b>Continental scale variation of <i>Saccharomyces</i> yeasts</b>	158
Thiel Pizarro, Paula	
<b>The impact of gene conversion on natural product biosynthesis</b>	159
Toghani, AmirAli	
<b>Evolutionary diversification of protein-protein interaction interfaces: a case study on an NLR immune receptor network</b>	160
Tomanek, Isabella	
<b>The effect of ecological interactions on the stability of gut microbial communities</b>	161
Tretjachenko, Vjaceslav	
<b>Ribosomal mistranslation as a novel mechanism for adaptive evolution</b>	162
Vakirlis, Nikolaos	
<b>Classic machine learning approaches can recover homology relationships out of "junk" similarity search hits</b>	163
Valentini, Beatrice	
<b>Flying to the grapevine: yeast ecology in a threesome with vectors and the environment</b>	164
Van de Vloet, Antoine	
<b>Up and down again, long-term genome evolution in synthetic <i>Chlamydomonas reinhardtii</i> polyploids</b>	165
Vande Zande, Petra	
<b>Dynamics and fitness effects of copy number variation in <i>Candida albicans</i> during adaptation to stress</b>	166
Vinchhi, Rhea	
<b>Adaptive and maladaptive consequences of de-regulation in a bacterial gene regulatory network</b>	167

Vittorelli, Nina <b>Frequent heterothallism in natural populations of <i>Saccharomyces cerevisiae</i></b>	168
Volkov, Andriy <b>Navigating the plant cell: evolution SOSEKI protein polarity</b>	169
Wiesenfeld, Sophia <b>A continuously evolving DNA barcode for plasmid lineage tracing</b>	170
Yadav, Pooja <b>Strategy for phage cocktail formulation using ancestral and adapted phages for combating antibiotic resistance</b>	171
Yang, Nan <b>Engineering biofilm communities as organic coatings on unmanned underwater vehicles (ECO-COATING Project)</b>	172
<i>Cancelled</i>	173
Zamora, Amy <b>The effect of prophages on antibiotic sensitivity and resistance evolution</b>	174
Zanon, Andrea <b>Synthetic soil microcosms for real-time imaging of microbial predator-prey dynamics</b>	175
Zhong, Guodan <b>Multicellularity in the <i>Saccharomyces cerevisiae</i> 1011 genomes collection</b>	176