Poster Session 3 - 14:00-15:30 July 23, 2025 (Wednesday)

Symposium 12: Population genetics through time session A

Poster No.	Abstract ID	Presenter Name	Abstract Title
S12-P01	58	Jiawen Li	Population genomics reveals genetic load and selection in a bioluminescent Flashlight fish
S12-P02	225	Lu Wang	Higher African ancestry proportion is associated with an attenuated increase of serum phosphorylated tau181 in a longitudinal study of aging African Americans
S12-P03	274	Jiaming Hu	Structured population of Eurasian woolly mammoths driven by isolation-by-distance and periodic gene flow
S12-P04	337	Guanglin He	Maternal genomic legacy indicates multiple ancestral founding lineages linked to ancient farmers and pastoralists in the formation of Altaic people
S12-P05	400	Hong-Xiang Zheng	MtDNA genomes reveal relaxed purifying selection in human population expansions after the Last Glacial Maximum
S12-P06	409	Kai Tätte	Genetic origins of the Kiritimati population from central-eastern Micronesia
S12-P07	417	Shiwen Song	From Eurasia to North America: The Key Role of Equus dalianensis in Late Pleistocene Equid Interactions
S12-P08	452	Andrey Vaulin	Maximum likelihood-based, base call quality-aware population genetic statistics estimators
S12-P09	478	He Yu	Ancient genomics reveal Chinese pig domestication history associated with human migration and management
S12-P10	508	Qiaoling Deng	Chromosome-level genome provides insights into parallel latitude adaptation in closely related cyprinid fish Hemiculter leucisculus and Siniichthys bleekeri
S12-P11	581	Yuan Xu	Bayesian model-averaging of parametric coalescent models for phylodynamic inference
S12-P12	587	Kai Mi	Transcriptomic variation in metazoans follows the drift-barrier hypothesis
S12-P13	668	Haipeng Li	Ancient Human Extinction Risk: Implications from High-Precision Computation and Fossil Evidence
S12-P14	670	Qipian Chen	Genomic Insights into Population Dynamics and Balancing Selection in Pioneer Mangrove Species
S12-P15	694	Wenshuai Ma	Evolution of alternative polyadenylation after gene duplication
S12-P16	696	Yue Tian	Sex-biased regulatory changes in the placenta of native highlanders contribute to adaptive fetal development
S12-P17	737	Shaohua Fan	A modern human-specific regulatory variant of ACSF3 influence human height and basal metabolic rate via macronutrients metabolism
S12-P18	750	Dongyoung Kim	The evolutionary genomic study of Korean Kaolinonychus harvestmen (Arachnida, Opiliones, Paranonychidae)
S12-P19	815	Susanna Gutierrez	Indirectly inherited archaic variants played a key role in facilitating adaptation in modern Peruvians
S12-P20	831	John Richards	Museum specimens establish baselines for historical antimicrobial resistance in mammalian microbiomes unaffected by anthropogenic contamination
S12-P21	916	Jiahui He	Inferring the genetic regulatory landscape of hominin lineage-specific sites and their phenotypic effects
S12-P22	925	Martina Gulì	Genomic testing of hypotheses on the origins of the Grecia Salentina population, a Greek-speaking enclave in Southern Italy
S12-P23	971	Wenxi Li	Ancient Beluga Genomes: Unraveling Long-Term Evolutionary Dynamics in Arctic Marine Mammals
S12-P24	1029	Pengpeng Chen	The Neandertals from Stajnia Cave, Poland
S12-P25	1043	Danat Yermakovich	Investigating the functional relevance of Denisovan introgressed DNA among New Guineans

S12-P26	1047	Audrey Tjahjadi	Genome-wide patterns of runs of homozygosity in Near Oceanic populations
S12-P27	1077	Qing Chen	Exploring the genetic basis of dispersal propensity in rapidly colonizing endangered wading bird, the Oriental Storks Ciconia boyciana
S12-P28	1101	Alicja Anna Kaźmierkiewicz	Ancient and modern genomes of the common vole, Microtus arvalis (Rodentia, Cricetidae), reveal the complex evolutionary history of Western Carpathian populations
S12-P29	645	Zhiru Liu	Prehistoric Global Migration of Vanishing Gut Microbes with Humans
Symposium 2	27: Population	n genetics through time session B	
Poster No.	Abstract ID	Presenter Name	Abstract Title
S27-P01	1221	Yuemin Li	The genomic history and adaptation of the chickens
S27-P02	1251	Hie Lim Kim	From North Asia to South America: Tracing the longest human migration through genomic sequencing
S27-P03	1258	Walter Nicolas Ortega	HLA Genetic Diversity and Immune Response in Ancient Mexican Populations: Insights from the Prehispanic and Colonial Periods
S27-P04	1263	Carla Casanova Suárez	Evolutionary analysis of diet adaptations in anatomically modern humans using ancient genomes
S27-P05	1270	Tommaso Stentella	A novel Bayesian method to perform demographic inference from genomic data
S27-P06	1294	Jiamei Peng	Genomic Insights into Demographic History, Inbreeding, and Mutation Load of Juglans
S27-P07	1306	Aine MacDermott	Investigating the Global Distribution, Evolution, and Selection of ADH1B *2 and *3 Alleles in Modern Human Populations
S27-P08	1307	Diego Cortez	Exploring how past geological events influenced the genetic structure of an endemic lizard in the Baja California Peninsula.
S27-P09	1308	Nada Elsharkawy	The Zagros Mountain-Kavir Desert Migration Corridor: How the Iranian Plateau Shaped Eurasian Ancestries Throughout Millennia.
S27-P10	1319	Mariana Lyra	Evolutionary processes affecting genomic and phenotypic variation in natural populations of the green anole
S27-P11	1336	Carmina Barberena Jonas	Unraveling 500 Years of Evolutionary History and Admixture Through IBD Genomic Analyses in the Mexican Biobank
S27-P12	1355	Edward Huang	High-Resolution Genomic Insights into the Peopling of Hawai'i
S27-P13	1370	Amit Gourav Ghosh	Genomic Insights into North Eurasian and South American Indigenous Populations Shaped by Diverse Climatic Conditions
S27-P14	1379	Tran The Hung Nguyen	Exploring genetic diversity and demographic history of Southeast Asians in warm environment through whole- genome analysis.
S27-P15	1442	Mehmet Somel	Mobility in East and West Eurasia through the Holocene: a comparison of temporal dynamics through paleogenomics
S27-P16	1451	Junlong Jiang	Development of a High-Throughput Molecular Inversion Probe Panel for Cost-Effective Genotyping in the Chinese Mitten Crab (Eriocheir sinensis)
S27-P17	1468	Anne-Mai Ilumäe	Mothers on the move - thousands of complete mitochondrial sequences reveal the time-layered formation of the shared maternal gene pool in Estonia and Finland
S27-P18	1487	Liang Lu	Temporal dynamics of adaptive evolution: Genomic signatures of selection across millennial-scale environmental adaptation

S19-P08	746	Ruoshi Huang	Increased genetic load in purebred chickens and purging of coding sequences in long ROHs
S19-P07	739	Toby Kovacs	Genetic diversity loss is functionally irreversible by natural mutation alone
S19-P06	597	Jack Chi-Ho Ip	Species-specific molecular responses of subtropical corals to natural bleaching events: Insights from coral microbiome, metagenome, and metatranscriptome analyses
S19-P05	575	Hanyu Yang	Whole-Genome Resequencing Reveals the Genetic Health of Reintroduced California Red-Legged Frog (Rana draytonii) Populations in Southern California
S19-P04	392	James Fleming	Identifying and understanding new meiobenthos from the Deep Pacific: making up a taxonomic shortfall
S19-P03	376	Zhenyong Du	Linking chromosomal fusions to adaptive evolution in an invasive copepod species complex
S19-P02	148	Jian Cui	Spatial variation in Toll-like receptor diversity in koala populations across their geographic distribution
S19-P01	48	Rongfeng Cui	Phased genome assemblies reveal haplotype-specific genetic load in the critically endangered Chinese Bahaba (Teleostei, Sciaenidae)
Poster No.	Abstract ID	Presenter Name	Abstract Title
		symposium: conservation genomics	
S17-P14	1303	Dylan Stermer	Mapping Functional Impact of Alternative Splicing Coupled Nonsense-Mediated Decay
S17-P13	1264	Stepan Denisov	Unravelling the evolution of intrinsic terminators
S17-P12	1216	Anastasiia Bolikhova	snRNA maturation dynamics and the role of the Integrator protein in this process
S17-P11	1154	Yuhang Jia	The differential alternative splicing pattern in caste of social insects
S17-P10	927	Shuanghui Chen	Identifying osteoarthritis-related genotype-by-environment interactions using cell culture systems
S17-P09	905	Haotian Wang	Personalized transcriptional network analysis links age-related loss of gene coordination to individual biological aging
S17-P08	782	xin mi	Genetic and Epigenetic Interplay in Salt Adaptation
S17-P07	736	Johannes Nicolaus Wibisana	Promoter-centric gene regulation enables extreme genome scrambling in Oikopleura dioica
S17-P06	339	Dake Gao	Exploring mRNA translation regulation by the Kozak sequence in the 5' UTR
S17-P05	289	Chen Xie	Patterns of extreme outlier RNA expression in population data reveal sporadic over-activation of genes with co- regulated modules in subsets of individuals
S17-P04	264	Yiheng Li	Evolution of cis-regulatory elements in mammalian peripheral immune cells
S17-P03	131	Shuyu He	The genetics of gene expression divergence in wild baboons
S17-P02	1096	Chen Leibson	The role of differential methylation in phenotypic divergence between humans and nonhuman African apes
S17-P01	1537	Xingyu Yan	Identification of RNA binding partners of AtGRP7 using immunoprecipitation-free techniques across Brassicas
Poster No.	Abstract ID	Presenter Name	Abstract Title
Symposium	17: Thematic	symposium: regulatory genomics and	
S27-P21	1186	Ji Hyoun Kang	Population genomics and altitudinal adaptation of a spiny crawler mayfly, Drunella ishiyamana (Ephemeroptera: Ephemerellidae), in Mongolia
S27-P20	1527	Chenchang Qian	Paleoclimatic events shaped the genetics, migration and microbial differentiation of two incipient gull species
S27-P19	1508	Ksenia Juravel	Anthropogenic Events and Their Impact on Species' Genomic Diversity: A Case Study from the Natufian Period to Recent Times

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S19-P15TableALINA DEMKINA challengesSymposium 21: Thematic symposium: virus evolution and pethogen evolutionPoster No.Abstract IIIPresenter NameAbstract TitleS21-P011042James BaxterThe Evolutionary Dynamics of Usutu Virus: Emergence, persistence, and spread of a rapidly evolving orthoflavirus in EuropeS21-P02304Zhenglin ZhuFunctional Evolution of SARS-CoV-2 Conferred by Non-spike MutationsS21-P0378jialu ZhengRecombination and Selection Trajectory of the Monkeypox Virus During Its Adaptation in the Human PopulationS21-P04139Feng ChenA slight mismatch between a gene's codon usage and the cellular tRNA supply is beneficialS21-P05189Ekaterina RiuminaHLA class I escape drives the evolution of SARS-CoV-2 in human populationS21-P06335Ke-Jia ShanMolecular Evolution of Protein Sequences and Codon Usage in Monkeypox VirusesS21-P06355Ke-Jia ShanMolecular Evolution of Protein Sequences and Codon Usage in Monkeypox VirusesS21-P07554danie Idush Daft%f TalushThe lifecycle of bacterial species.S21-P08752Feiyu ChenDeep Mutational Seanning of Bat-SC2r-CoV ZC45 Receptor Binding Domain Revealing Bat-SC2r-CoVS21-P11882Alicia L BruzosEvolution of marine contagious cancers in cockles characterized by genomic instabilityS21-P12896Jingur FengAntigenie Evolution Landscape and Variaction SfARS-CoV-2S21-P14977Ying ZengUnderstanding the role of Anseriformes in avian flu transmission dynamics in China <td>S19-P14</td> <td>1406</td> <td>Jilong Ma</td> <td></td>	S19-P14	1406	Jilong Ma	
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S21-P05189Ekaterina RiuminaHLA class I escape drives the evolution of SARS-CoV-2 in human populationS21-P06335Ke-Jia ShanMolecular Evolution of Protein Sequences and Codon Usage in Monkeypox VirusesS21-P07554daniel falush Da你饿了falushThe lifecycle of bacterial species.S21-P08679Galya KlinkInference of fitness landscape dynamics in SARS-CoV-2 amino acid sitesS21-P09752Feiyu ChenDeep Mutational Scanning of Bat-SC2r-CoV ZC45 Receptor Binding Domain Revealing Bat-SC2r-CoV Evolution and Host ShiftingS21-P10769Andries van TonderHistorical cattle movements have driven global Mycobacterium bovis transmissionS21-P12896Jingru FengAntigenic Evolution Landscape and Vaccine Composition Recommendation Strategy for SARS-CoV-2S21-P13912Xiaolu TangEvolutionary dynamics and variation characteristics of SARS-CoV-2S21-P14977Ying ZengUnderstanding the role of Anseriformes in avian flu transmission dynamics in ChinaS21-P151114Gavin BandGeographical variation and selective equilibrium of the P. falciparum sickle-associated mutationsS21-P161267Cameron R FergusonGenomic data from a medieval case of Yersinai ruckeri infection sheds light on host adaptation in Yersinia sp.S21-P171318Philippa SteinbergUnderstanding drivers of seasonal influenza variant fitness to improve evolutionary forecastingS21-P191570Zehua ChenSpatial Model of Self-Limiting Genetic Biocontrol StrategiesS21-P191570Zehua ChenSpatial Model of Self-Limiti	S21-P03	78	jialu Zheng	
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S21-P07554daniel falush Da你饿了falushThe lifecycle of bacterial species.S21-P08679Galya KlinkInference of fitness landscape dynamics in SARS-CoV-2 amino acid sitesS21-P09752Feiyu ChenDeep Mutational Scanning of Bat-SC2r-CoV ZC45 Receptor Binding Domain Revealing Bat-SC2r-CoV Evolution and Host ShiftingS21-P10769Andries van TonderHistorical cattle movements have driven global Mycobacterium bovis transmissionS21-P11882Alicia L BruzosEvolution of marine contagious cancers in cockles characterized by genomic instabilityS21-P12896Jingru FengAntigenic Evolution Landscape and Vaccine Composition Recommendation Strategy for SARS-CoV-2S21-P13912Xiaolu TangEvolutionary dynamics and variation characteristics of SARS-CoV-2S21-P14977Ying ZengUnderstanding the role of Anseriformes in avian flu transmission dynamics in ChinaS21-P151114Gavin BandGeographical variation and selective equilibrium of the P. falciparum sickle-associated mutationsS21-P161267Cameron R FergusonGenomic data from a medieval case of Yersinia rucker infection sheds light on host adaptation in Yersinia sp.S21-P141531Wytamma WirthDiana: A WebAssembly-Powered Tool for TraDIS Data Exploration and AnalysisS21-P191570Zehua ChenSpatial Model of Self-Limiting Genetic Biocontrol StrategiesSymposium 22: Thematic symposium: evolution theory and recert methodological advancesSpatial Model of Self-Limiting Genetic Biocontrol Strategies	S21-P05	189	Ekaterina Riumina	HLA class I escape drives the evolution of SARS-CoV-2 in human population
S21-P08679Galya KlinkInference of fitness landscape dynamics in SARS-CoV-2 amino acid sitesS21-P09752Feiyu ChenDeep Mutational Scanning of Bat-SC2r-CoV ZC45 Receptor Binding Domain Revealing Bat-SC2r-CoV Evolution and Host ShiftingS21-P10769Andries van TonderHistorical cattle movements have driven global Mycobacterium bovis transmissionS21-P11882Alicia L BruzosEvolution of marine contagious cancers in cockles characterized by genomic instabilityS21-P12896Jingru FengAntigenic Evolution Landscape and Vaccine Composition Recommendation Strategy for SARS-CoV-2S21-P13912Xiaolu TangEvolutionary dynamics and variation characteristics of SARS-CoV-2S21-P14977Ying ZengUnderstanding the role of Anseriformes in avian flu transmission dynamics in ChinaS21-P151114Gavin BandGeographical variation and selective equilibrium of the P. falciparum sickle-associated mutationsS21-P171318Philippa SteinbergUnderstanding drivers of seasonal influenza variant fitness to improve evolutionary forecastingS21-P181531Wytamma WirthDiana: A WebAssembly-Powered Tool for TraDIS Data Exploration and AnalysisS21-P191570Zehua ChenSpatial Model of Self-Limiting Genetic Biocontrol StrategiesSymposium 22: Thematic symposium: evolution theory and recent methodological advancesSpatial Model of Self-Limiting Genetic Biocontrol Strategies	S21-P06	335	Ke-Jia Shan	Molecular Evolution of Protein Sequences and Codon Usage in Monkeypox Viruses
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S21-P09752Felyu ChenEvolution and Host ShiftingS21-P10769Andries van TonderHistorical cattle movements have driven global Mycobacterium bovis transmissionS21-P11882Alicia L BruzosEvolution of marine contagious cancers in cockles characterized by genomic instabilityS21-P12896Jingru FengAntigenic Evolution Landscape and Vaccine Composition Recommendation Strategy for SARS-CoV-2S21-P13912Xiaolu TangEvolutionary dynamics and variation characteristics of SARS-CoV-2S21-P14977Ying ZengUnderstanding the role of Anseriformes in avian flu transmission dynamics in ChinaS21-P151114Gavin BandGeographical variation and selective equilibrium of the P. falciparum sickle-associated mutationsS21-P161267Cameron R FergusonGenomic data from a medieval case of Yersinia ruckeri infection sheds light on host adaptation in Yersinia sp.S21-P171318Philippa SteinbergUnderstanding drivers of seasonal influenza variant fitness to improve evolutionary forecastingS21-P191570Zehua ChenSpatial Model of Self-Limiting Genetic Biocontrol StrategiesSymposium 22: Thematic symposium: evolution theory and recent methodological advancesSpatial Avances	S21-P08	679	Galya Klink	Inference of fitness landscape dynamics in SARS-CoV-2 amino acid sites
S21-P11882Alicia L BruzosEvolution of marine contagious cancers in cockles characterized by genomic instabilityS21-P12896Jingru FengAntigenic Evolution Landscape and Vaccine Composition Recommendation Strategy for SARS-CoV-2S21-P13912Xiaolu TangEvolutionary dynamics and variation characteristics of SARS-CoV-2S21-P14977Ying ZengUnderstanding the role of Anseriformes in avian flu transmission dynamics in ChinaS21-P151114Gavin BandGeographical variation and selective equilibrium of the P. falciparum sickle-associated mutationsS21-P161267Cameron R FergusonGenomic data from a medieval case of Yersinia ruckeri infection sheds light on host adaptation in Yersinia sp.S21-P171318Philippa SteinbergUnderstanding drivers of seasonal influenza variant fitness to improve evolutionary forecastingS21-P191570Zehua ChenSpatial Model of Self-Limiting Genetic Biocontrol StrategiesSymposium 22: Thematic symposium: evolution theory and recent methodological advances	S21-P09	752	Feiyu Chen	
S21-P12896Jingru FengAntigenic Evolution Landscape and Vaccine Composition Recommendation Strategy for SARS-CoV-2S21-P13912Xiaolu TangEvolutionary dynamics and variation characteristics of SARS-CoV-2S21-P14977Ying ZengUnderstanding the role of Anseriformes in avian flu transmission dynamics in ChinaS21-P151114Gavin BandGeographical variation and selective equilibrium of the P. falciparum sickle-associated mutationsS21-P161267Cameron R FergusonGenomic data from a medieval case of Yersinia ruckeri infection sheds light on host adaptation in Yersinia sp.S21-P171318Philippa SteinbergUnderstanding drivers of seasonal influenza variant fitness to improve evolutionary forecastingS21-P181531Wytamma WirthDiana: A WebAssembly-Powered Tool for TraDIS Data Exploration and AnalysisS21-P191570Zehua ChenSpatial Model of Self-Limiting Genetic Biocontrol StrategiesSymposium 22: Thematic symposium: evolution theory and recert methodological advances	S21-P10	769	Andries van Tonder	Historical cattle movements have driven global Mycobacterium bovis transmission
S21-P13912Xiaolu TangEvolutionary dynamics and variation characteristics of SARS-CoV-2S21-P14977Ying ZengUnderstanding the role of Anseriformes in avian flu transmission dynamics in ChinaS21-P151114Gavin BandGeographical variation and selective equilibrium of the P. falciparum sickle-associated mutationsS21-P161267Cameron R FergusonGenomic data from a medieval case of Yersinia ruckeri infection sheds light on host adaptation in Yersinia sp.S21-P171318Philippa SteinbergUnderstanding drivers of seasonal influenza variant fitness to improve evolutionary forecastingS21-P181531Wytamma WirthDiana: A WebAssembly-Powered Tool for TraDIS Data Exploration and AnalysisS21-P191570Zehua ChenSpatial Model of Self-Limiting Genetic Biocontrol StrategiesSymposium 22: Thematic symposium: evolution theory and recent methodological advances	S21-P11	882	Alicia L Bruzos	Evolution of marine contagious cancers in cockles characterized by genomic instability
S21-P14977Ying ZengUnderstanding the role of Anseriformes in avian flu transmission dynamics in ChinaS21-P151114Gavin BandGeographical variation and selective equilibrium of the P. falciparum sickle-associated mutationsS21-P161267Cameron R FergusonGenomic data from a medieval case of Yersinia ruckeri infection sheds light on host adaptation in Yersinia sp.S21-P171318Philippa SteinbergUnderstanding drivers of seasonal influenza variant fitness to improve evolutionary forecastingS21-P181531Wytamma WirthDiana: A WebAssembly-Powered Tool for TraDIS Data Exploration and AnalysisS21-P191570Zehua ChenSpatial Model of Self-Limiting Genetic Biocontrol StrategiesSymposium 22: Thematic symposium: evolution theory and recent methodological advances	S21-P12	896	Jingru Feng	Antigenic Evolution Landscape and Vaccine Composition Recommendation Strategy for SARS-CoV-2
S21-P151114Gavin BandGeographical variation and selective equilibrium of the P. falciparum sickle-associated mutationsS21-P161267Cameron R FergusonGenomic data from a medieval case of Yersinia ruckeri infection sheds light on host adaptation in Yersinia sp.S21-P171318Philippa SteinbergUnderstanding drivers of seasonal influenza variant fitness to improve evolutionary forecastingS21-P181531Wytamma WirthDiana: A WebAssembly-Powered Tool for TraDIS Data Exploration and AnalysisS21-P191570Zehua ChenSpatial Model of Self-Limiting Genetic Biocontrol StrategiesSymposium 22: Thematic symposium: evolution theory and recent methodological advances	S21-P13	912	Xiaolu Tang	Evolutionary dynamics and variation characteristics of SARS-CoV-2
S21-P161267Cameron R FergusonGenomic data from a medieval case of Yersinia ruckeri infection sheds light on host adaptation in Yersinia sp.S21-P171318Philippa SteinbergUnderstanding drivers of seasonal influenza variant fitness to improve evolutionary forecastingS21-P181531Wytamma WirthDiana: A WebAssembly-Powered Tool for TraDIS Data Exploration and AnalysisS21-P191570Zehua ChenSpatial Model of Self-Limiting Genetic Biocontrol StrategiesSymposium 22: Thematic symposium: evolution theory and recent methodological advances	S21-P14	977	Ying Zeng	Understanding the role of Anseriformes in avian flu transmission dynamics in China
S21-P171318Philippa SteinbergUnderstanding drivers of seasonal influenza variant fitness to improve evolutionary forecastingS21-P181531Wytamma WirthDiana: A WebAssembly-Powered Tool for TraDIS Data Exploration and AnalysisS21-P191570Zehua ChenSpatial Model of Self-Limiting Genetic Biocontrol StrategiesSymposium 22: Thematic symposium: evolution theory and recent methodological advances		1114		
S21-P181531Wytamma WirthDiana: A WebAssembly-Powered Tool for TraDIS Data Exploration and AnalysisS21-P191570Zehua ChenSpatial Model of Self-Limiting Genetic Biocontrol StrategiesSymposium 22: Thematic symposium: evolution theory and recent methodological advances			-	• • •
S21-P191570Zehua ChenSpatial Model of Self-Limiting Genetic Biocontrol StrategiesSymposium 22: Thematic symposium: evolution theory and recent methodological advances	S21-P17	1318	· · ·	Understanding drivers of seasonal influenza variant fitness to improve evolutionary forecasting
Symposium 22: Thematic symposium: evolution theory and recent methodological advances		1531	•	
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	Poster No.	Abstract ID	Presenter Name	Abstract Title

S22-P01	690	Minghao Du	Feasibility and Limitations of Using Deep Learning to Detect Mass Extinctions on Fossilized Phylogenetic Trees		
S22-P02	1224	Matteo Fumagalli	Generative AI models for evolutionary genomic inferences		
S22-P03	67	Zheng Li	COL: a method for identifying putatively functional circular RNAs		
S22-P04	81	Yichang Chen	DIVERGE v4: a web server for large-scale analysis of functional divergence across multi-gene families		
S22-P05	249	Chao Yang	Macrogenetic atlas of prokaryotes		
S22-P06	350	Sishuo Wang	A new approach to integrating complex substitution models into molecular clock analysis and its implications for dating ancient symbiont evolution		
S22-P07	706	Loraine Schwander	Serpentinization as the source of energy, electrons, organics, catalysts, nutrients and pH gradients for the origin of LUCA and life		
S22-P08	732	Huaiyan Ren	A new information criterion to compare partition versus mixture models and its application to empirical datasets		
S22-P09	865	Walter Xie	Towards a Universal Model Specification Language for Phylogenetics		
S22-P10	1177	Meikun Zhou	Retriever: an imputation pipeline designed for non-model species		
S22-P11	1180	Florence Débarre	Spatial granularity and the advance of alleles under frequency-dependent selection		
S22-P12	1199	Joëlle Barido-Sottani	A case study in improving the computational performance of Bayesian phylogenetic inference		
S22-P13	1274	Bernhard Bein	Automatizing high-throughput screens for positive selection and relaxation across hundreds of genomes		
S22-P14	1330	Caroline Puente-Lelievre	Structural phylogenetics: tracing evolution through protein structure		
S22-P15	1525	Han Liu	Positive Selection Inference by Deep Learning		
Symposium 23: Thematic symposium: Symbiosis					
Symposium 2	20. Thematic	symposium. Symposis			
Poster No.		Presenter Name	Abstract Title		
			Abstract Title Rapid evolution of mitochondrion-related genes in haplodiploid arthropods		
Poster No.	Abstract ID	Presenter Name			
Poster No. S23-P01	Abstract ID 502	Presenter Name Yiyuan Li	Rapid evolution of mitochondrion-related genes in haplodiploid arthropods Metatranscriptomic and metagenomic analyses reveal the roles of coral holobionts in recovery phase during		
Poster No. S23-P01 S23-P02	Abstract ID 502 629	Presenter Name Yiyuan Li Yingxin Li	Rapid evolution of mitochondrion-related genes in haplodiploid arthropods Metatranscriptomic and metagenomic analyses reveal the roles of coral holobionts in recovery phase during natural bleaching event: A case study of subtropical Acropora solitaryensis A genomic approach to investigate the specificity of symbiont-conferred defence in the tripartite system aphid		
Poster No. S23-P01 S23-P02 S23-P03	Abstract ID 502 629 153	Presenter Name Yiyuan Li Yingxin Li Giacomo Moggioli	 Rapid evolution of mitochondrion-related genes in haplodiploid arthropods Metatranscriptomic and metagenomic analyses reveal the roles of coral holobionts in recovery phase during natural bleaching event: A case study of subtropical Acropora solitaryensis A genomic approach to investigate the specificity of symbiont-conferred defence in the tripartite system aphid – Hamiltonella - parasitoid wasp Parasites strategies of coinfection: the evolution of within-host parasite-parasite interactions in Plasmodium 		
Poster No. S23-P01 S23-P02 S23-P03 S23-P04	Abstract ID 502 629 153 1134 1134 1134	Presenter Name Yiyuan Li Yingxin Li Giacomo Moggioli Ellen M. Leffler	 Rapid evolution of mitochondrion-related genes in haplodiploid arthropods Metatranscriptomic and metagenomic analyses reveal the roles of coral holobionts in recovery phase during natural bleaching event: A case study of subtropical Acropora solitaryensis A genomic approach to investigate the specificity of symbiont-conferred defence in the tripartite system aphid – Hamiltonella - parasitoid wasp Parasites strategies of coinfection: the evolution of within-host parasite-parasite interactions in Plasmodium falciparum 		
Poster No. S23-P01 S23-P02 S23-P03 S23-P04 S23-P05 S23-P06	Abstract ID 502 629 153 1134 1297 1417	Presenter NameYiyuan LiYingxin LiGiacomo MoggioliEllen M. LefflerGuoxin Cui	 Rapid evolution of mitochondrion-related genes in haplodiploid arthropods Metatranscriptomic and metagenomic analyses reveal the roles of coral holobionts in recovery phase during natural bleaching event: A case study of subtropical Acropora solitaryensis A genomic approach to investigate the specificity of symbiont-conferred defence in the tripartite system aphid – Hamiltonella - parasitoid wasp Parasites strategies of coinfection: the evolution of within-host parasite-parasite interactions in Plasmodium falciparum Symbiosis shapes microbial spatial organization and functional activity in cnidarian holobionts Evolutionary turnover of symbiotic bacteria and their metabolic genes in termite gut microbiomes 		
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Poster No. S23-P01 S23-P02 S23-P03 S23-P04 S23-P05 S23-P06 Symposium 2	Abstract ID 502 629 153 1134 1297 1417 24: Thematic s	Presenter Name Yiyuan Li Yingxin Li Giacomo Moggioli Ellen M. Leffler Guoxin Cui Ales Bucek symposium: colonizing new environm	Rapid evolution of mitochondrion-related genes in haplodiploid arthropods Metatranscriptomic and metagenomic analyses reveal the roles of coral holobionts in recovery phase during natural bleaching event: A case study of subtropical Acropora solitaryensis A genomic approach to investigate the specificity of symbiont-conferred defence in the tripartite system aphid – Hamiltonella - parasitoid wasp Parasites strategies of coinfection: the evolution of within-host parasite-parasite interactions in Plasmodium falciparum Symbiosis shapes microbial spatial organization and functional activity in cnidarian holobionts Evolutionary turnover of symbiotic bacteria and their metabolic genes in termite gut microbiomes		
Poster No. S23-P01 S23-P02 S23-P03 S23-P04 S23-P05 S23-P06 Symposium 2 Poster No. S24-P01 S24-P02	Abstract ID 502 629 153 1134 1297 1417 24: Thematic s Abstract ID 174 373	Presenter Name Yiyuan Li Yingxin Li Giacomo Moggioli Ellen M. Leffler Guoxin Cui Ales Bucek symposium: colonizing new environm Presenter Name Kiran Masroor Patricia Zito	Rapid evolution of mitochondrion-related genes in haplodiploid arthropodsMetatranscriptomic and metagenomic analyses reveal the roles of coral holobionts in recovery phase during natural bleaching event: A case study of subtropical Acropora solitaryensisA genomic approach to investigate the specificity of symbiont-conferred defence in the tripartite system aphid – Hamiltonella - parasitoid waspParasites strategies of coinfection: the evolution of within-host parasite-parasite interactions in Plasmodium falciparumSymbiosis shapes microbial spatial organization and functional activity in cnidarian holobionts Evolutionary turnover of symbiotic bacteria and their metabolic genes in termite gut microbiomesents and invasivenessAbstract TitleThe macroecological impact of thermal tolerance evolution in Phrynosomatid lizards Evolutionary History of the Na+/H+ Antiporter Gene Family in Arthropoda		
Poster No. S23-P01 S23-P02 S23-P03 S23-P04 S23-P05 S23-P06 Symposium 2 Poster No. S24-P01	Abstract ID 502 629 153 1134 1297 1417 24: Thematic s Abstract ID 174	Presenter Name Yiyuan Li Yingxin Li Giacomo Moggioli Ellen M. Leffler Guoxin Cui Ales Bucek symposium: colonizing new environm Presenter Name Kiran Masroor	Rapid evolution of mitochondrion-related genes in haplodiploid arthropodsMetatranscriptomic and metagenomic analyses reveal the roles of coral holobionts in recovery phase during natural bleaching event: A case study of subtropical Acropora solitaryensisA genomic approach to investigate the specificity of symbiont-conferred defence in the tripartite system aphid – Hamiltonella - parasitoid waspParasites strategies of coinfection: the evolution of within-host parasite-parasite interactions in Plasmodium falciparumSymbiosis shapes microbial spatial organization and functional activity in enidarian holobionts Evolutionary turnover of symbiotic bacteria and their metabolic genes in termite gut microbiomesents and invasivenessAbstract TitleThe macroecological impact of thermal tolerance evolution in Phrynosomatid lizards		

S24-P05	561	Honglei Shi	Comparison of cold adaptation of Pomacea canaliculata from lakes and paddy fields and the underlying molecular mechanisms
S24-P06	600	Donghee Kim	Invasion genomics trace recent human-mediated expansion events of the swarming fly Plecia longiforceps in East Asia
S24-P07	888	Jinhui Wang	Evolutionary History and Molecular Evolution of Na+/K+-ATPase alpha-subunit Gene Family in the copepod Eurytemora affinis species complex
S24-P08	947	Zimo Yang	Cyclical parthenogenesis helps expand into marginal habitats in some fitness landscapes
S24-P09	1140	Tina Cai	Evidence of positive selection shaping polar adaptation in fishes
S24-P10	1146	Qi Fu	Genomic insights into evolutionary history and local adaptation of Drosophila suzukii
Symposium	25: Advancing	Inclusion, Diversity, Equity, and Ac	cessibility in Molecular Biology and Evolution
Poster No.	Abstract ID	Presenter Name	Abstract Title
S25-P01	54	Jianhao Lv	An updated solutions manual and e-learning platform for Ziheng Yang's books: "Computational Molecular Evolution" and "Molecular Evolution: A Statistical Approach"
S25-P02	989	Woojung Yi	Visualization of ancient humans from the Allen Ancient DNA Resource using ArcGIS: applications of interactive web maps for ancient DNA studies
S25-P03	1384	María Fernanda García Rodríguez	Genomic history and ancestral origins of Afro-Mexican populations
S25-P04	1387	Marçal Comajoan Cara	snputils: A Python library for lowering barriers to genetic variation and population structure processing
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S30-P01	699	Huijuan Bi	Unveiling the Genetic and Molecular Basis of Seasonal Camouflage in Hares
S30-P02	725	MOHAMMED M.TAWFEEQ	Evidence for large intraspecific genome size diversity in arthropods
S30-P03	790	John Lin	Computer Simulation and Mathematical Modeling of the Interactions between Ecological and Sexual Selection to Reveal the Mechanism of Sympatric Speciation
S30-P04	821	Lauren Gieck	Computer Simulations and Analyses of Coupling Among Reproductive Barriers in Late-Stage Sympatric Speciation
S30-P05	849	Gabriela Damentka	Phylogenetic and taxonomic classification of the Microtus (Terricola) grafi based on samples from the Balkan Peninsula using ancient mtDNA
S30-P06	939	Wei Wu	Meta-analysis of antibiotic resistance genes in aquatic environments
S30-P07	1023	Aidan Pugh	Investigating Neuropeptide Reception in Mnemiopsis leidyi: A Bioinformatics Approach to GPCR Identification
S30-P08	1099	Vasili Pankratov	Sperm competition intensifies purifying selection on spermatogenesis-relevant genes in primates
S30-P09	1189	Haruka Yamashita	Evolutionary dynamics under near neutrality: Codon family-specific reversals of natural selection in the Drosophila melanogaster lineage
S30-P10	1032	Theo Busschau	Genomic evolution of ocular horn polymorphism in desert vipers