

Virtual Conference Agenda

Start (GMT)	Finish (GMT)	Time allocated	Format	Presenter details
Wednesday 9 February 2022				
12:00	12:10			Welcome
		10 mins	Live	<p>Scientific Programme Committee: Juliette de Meaux, University of Cologne, Germany Brandon Ogbunu, Yale University, USA Olivier Tenaillon, INSERM, France Trisha Wittkopp, University of Michigan, USA</p>
12:10	12:55			Keynote 1
			Live	<p>Introduction to the session Chair: <i>Olivier Tenaillon, INSERM, France</i></p>
12:10	12:40	30 mins	Pre-recorded	<p>Evolving adaptive reproductive capacity: a systems approach using Drosophila models Cassandra Extavour, Harvard University, USA</p>
12:40	12:55	15 mins	Live	<p>Q&A Chair: <i>Olivier Tenaillon, INSERM, France</i> Moderator: <i>Juliette de Meaux, University of Cologne, Germany</i></p>
12:55	13:15	20 mins		Break and networking in Spatial Chat
13:15	14:45			Session 1: Evolution of proteins
			Live	<p>Introduction to the session Chair: <i>Juliette de Meaux, University of Cologne, Germany</i></p>
13:15	13:35	20 mins	Pre-recorded	<p>Origin and evolution of ancient proteins: Molecular, environmental and historical constraints Betül Kaçar, University of Wisconsin-Madison, USA</p>
13:35	13:55	20 mins	Pre-recorded	<p>Causes and consequences of epistasis in protein evolution Nobuhiko Tokuriki, University of British Columbia, Canada</p>
13:55	14:05	10 mins	Pre-recorded	<p>Compensatory mutations in proteins: which... where... how...? <i>Julien Dutheil, Max Planck Institute for Evolutionary Biology, Germany</i></p>
14:05	14:15	10 mins	Pre-recorded	<p>Evolutionarily transient coding sequences influence cellular phenotypes and function <i>Aaron Wacholder, University of Pittsburgh School of Medicine, USA</i></p>
14:15	14:45	30 mins	Live	<p>Q&A Chair: <i>Juliette de Meaux, University of Cologne, Germany</i> Moderator: <i>Olivier Tenaillon, INSERM, France</i></p>
14:45	15:10	25 mins		Break and networking in Spatial Chat

15:10	16:00			Poster Session I
15:10	15:30	20 mins	Pre-recorded	Poster session I lightning talks
15:30	16:00	30 mins	Live	Poster session I
16:00	17:30			Session 2: Evolution of molecular systems
			Live	Introduction to the session <i>Chair: Trisha Wittkopp, University of Michigan, USA</i>
16:00	16:20	20 mins	Pre-recorded	The molecular evolution of spermatogenesis across mammals Henrik Kaessmann, Heidelberg University, Germany
16:20	16:40	20 mins	Pre-recorded	A genome-wide screen for genes that “buffer” the effect of random mutations Kevin Verstrepen, VIB-KULeuven Center for Microbiology, Belgium
16:40	16:50	10 mins	Pre-recorded	The cis-regulatory effects of modern human-specific variants <i>David Gokhman, The Weizmann Institute of Science, Israel</i>
16:50	17:00	10 mins	Pre-recorded	Fitness landscape analysis reveals that the wild type allele is sub-optimal and mutationally robust <i>Tamar Friedlander, Hebrew University of Jerusalem, Israel</i>
17:00	17:30	30 mins	Live	Q&A <i>Chair: Trisha Wittkopp, University of Michigan, USA</i> <i>Moderator: Brandon Ogbunu, Yale University, USA</i>
Thursday 10 February 2022				
12:00	13:30			Session 3: Evolution of microbial systems
			Live	Introduction to the session <i>Chair: Juliette de Meaux, University of Cologne, Germany</i>
12:00	12:20	20 mins	Pre-recorded	A population genetic framework to understand evolution and transmission of drug resistance Pleuni Pennings, San Francisco State University, USA
12:20	12:40	20 mins	Pre-recorded	Epistasis and adaptation on rugged fitness landscapes Claudia Bank, University of Bern, Switzerland
12:40	12:50	10 mins	Pre-recorded	Evolution of genome architecture to divide labor through mutations <i>Renske Vroomans, Sainsbury Laboratory, University of Cambridge, UK</i>
12:50	13:00	10 mins	Pre-recorded	Wrinkly formation underlies bacterial adaption to a host-associated lifestyle <i>Nancy Obeng, Kiel University, Germany</i>
13:00	13:30	30 mins	Live	Q&A <i>Chair: Juliette de Meaux, University of Cologne, Germany</i> <i>Moderator: Olivier Tenaille, INSERM, France</i>
13:30	14:00	30 mins		Break and networking in Spatial Chat

14:00	14:50				Poster Session II
14:00	14:20	20 mins	Pre-recorded	Poster session II lightning talks	
14:20	14:50	30 mins	Live	Poster session II	
14:50	16:20				Session 4: Evolution of developmental systems
			Live	Introduction to the session <i>Chair: Brandon Ogbunu, Yale University, USA</i>	
14:50	15:10	20 mins	Pre-recorded	Evolution of sex determining mechanisms in the brown algae Susana Coelho, Max Planck Institute for Developmental Biology, Germany	
15:10	15:30	20 mins	Pre-recorded	HD-ZIPIII transcription factors are controlled by deeply-conserved START domains Aman Husbands, The Ohio State University, USA	
15:30	15:40	10 mins	Pre-recorded	The evolution of developmental genetic biases explains the evolution of evolutionary trends <i>Joao Picao-Osorio, Institute of Biology of the École Normale Supérieure (IBENS), France</i>	
15:40	15:50	10 mins	Pre-recorded	The cellular and molecular patterning dynamics of tetrapod digit diversification <i>Patrick Tschopp, University of Basel, Switzerland</i>	
15:50	16:20	30 mins	Live	Q&A <i>Chair: Brandon Ogbunu, Yale University, USA</i> <i>Moderator: Trisha Wittkopp, University of Michigan, USA</i>	

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12:00	13:30				Session 5: Evolutionary quantitative genetics and environmental interactions
			Live	Introduction to the session <i>Chair: Brandon Ogbunu, Yale University, USA</i>	
12:00	12:20	20 mins	Pre-recorded	Parallel reduction in flowering time from new mutations enabled evolutionary rescue in colonizing <i>Arabidopsis</i> lineages Angela Hancock, Max Planck Institute for Plant Breeding Research, Germany	
12:20	12:40	20 mins	Pre-recorded	A genomic map of local adaptation of natural interactions between <i>Arabidopsis thaliana</i> and its leaf microbiota Fabrice Roux, Laboratory of Plant-Microbe Interactions – LIPM, France	
12:40	12:50	10 mins	Pre-recorded	Selection and gene flow shape niche-associated variation of pheromone response <i>Erik Andersen, Northwestern University, USA</i>	
12:50	13:00	10 mins	Pre-recorded	Evolution under changing environments in a laboratory evolution experiment of <i>Escherichia coli</i> <i>Maryl Lambros, Albert Einstein College of Medicine, USA</i>	
13:00	13:30	30 mins	Live	Q&A <i>Chair: Brandon Ogbunu, Yale University, USA</i> <i>Moderator: Juliette de Meaux, University of Cologne, Germany</i>	
13:30	13:50	20 mins	Break and networking in Spatial Chat		

13:50	15:20			Session 6: Evolution impacting human health	
			Live	Introduction to the session <i>Chair: Olivier Tenaillon, INSERM, France</i>	
13:50	14:10	20 mins	Pre-recorded	Evolutionary dynamics of blood Jamie Blundell, University of Cambridge, UK	
14:10	14:30	20 mins	Pre-recorded	Within-host diversity and transmission of SARS-CoV-2 Katrina Lythgoe, University of Oxford, UK	
14:30	14:40	10 mins	Pre-recorded	Exploiting convergent evolution to derive a pan-cancer cisplatin sensitivity gene expression <i>Jessica Scarborough, Case Western Reserve University, USA</i>	
14:40	14:50	10 mins	Pre-recorded	Proteomic compensation by paralogs contributes to the genetic robustness of tumour cells <i>Anjan Venkatesh, University College Dublin, Ireland</i>	
14:50	15:20	30 mins	Live	Q&A <i>Chair: Olivier Tenaillon, INSERM, France</i> <i>Moderator: Trisha Wittkopp, University of Michigan, USA</i>	
15:20	15:40	20 mins		Break and networking in Spatial Chat	
15:40	16:30			Keynote 2	
			Live	Introduction to the session <i>Chair: Trisha Wittkopp, University of Michigan, USA</i>	
15:40	16:10	30 mins	Pre-recorded	Understanding adaptation in an infinitesimal world Nick Barton, IST Austria, Austria	
16:10	16:30	20 mins	Live	Q&A <i>Chair: Trisha Wittkopp, University of Michigan, USA</i> <i>Moderator: Olivier Tenaillon, INSERM, France</i>	
16:30	16:40			Closing remarks	
		~10 mins	Live	Scientific Programme Committee: Juliette de Meaux, University of Cologne, Germany Brandon Ogbunu, Yale University, USA Olivier Tenaillon, INSERM, France Trisha Wittkopp, University of Michigan, USA	