

Day 1 Wednesday 5th Feb

Hour	Event
9:00-11:00	Welcoming and Registration
11:00-11:30	Opening Ceremony
11:30-12:30	Opening Lecture. Beverley Glover: Evolution and development of petal surfaces that attract pollinators. Sponsor: AllGenetics
12:30-12:45	Introducing the sponsors (AllGenetics, Macrogen, STAB VIDA)
12:45-13:15	Peer Community In. Th. Guillemaud, D. Bourguet, B. Facon: A free process for the recommendation of preprints based on peer review
13:15-14:30	Lunch time
14:30-16:30	Session S1. Evolutionary Ecology I Conveners: Conchita Alonso, Montse Arista, Paola Laiolo. Sponsor: Genes (MDPI)
14:30-15:00 (S1.0.0)	Keynote: José Ramón Obeso: Life history variation and ecological gradients
15:00-15:15 (S1.0.1)	Rodrigo Medel: <i>Experimental dissection of the pollinator-mediated selection impact of hummingbirds and bees in the Andean monkeyflower Mimulus luteus (Phrymaceae)</i>
15:15-15:30 (S1.0.2)	Eric Imbert et al.: <i>Can plants adapt to climatic changes?</i>
15:30-15:45 (S1.0.3)	Monica Medrano et al.: <i>Comparative genetic and epigenetic diversity in pairs of sympatric, closely-related plants with contrasting distribution ranges</i>
15:45-16:00 (S1.0.4)	Quentin Corbel et al.: <i>Does ageing via sensory perception result from adaptive male responses to female cues?</i>
16:00-16:10 (S1.0.5)	Verónica Castaño Sanz et al.: <i>Experimental insights into transgenerational effects of pesticide exposure in a seed beetle</i>
16:10-16:20 (S1.0.6)	Ana Afonso et al.: <i>Consequences of genome duplications in floral polymorphism and incompatibility system in the diploid-polyploid Linum suffruticosum s.l.</i>
16:20-16:30 (S1.0.7)	Francisco Garcia-Gonzalez & Eduardo Rodriguez-Exposito: <i>Population spatial structure and sexual conflict: insights from experimental evolution</i>
16:30-17:00	Coffee break (at the poster hall)
17:00-19:00	Session S2. Evolutionary Genetics I Conveners: Xavier Picó, Ivan Gómez-Mestre, Elena Casacuberta. Sponsor: Macrogen
17:00-17:30 (S2.0.0)	Keynote: Josefa González Pérez (IBE, UPF-CSIC): Transposable element insertions in adaptive evolution
17:30-17:45 (S2.0.1)	Gonzalo Nieto Feliner et al.: <i>Expanding the southern range margin at the cost of massive asymmetric introgression: Armeria pungens (Plumbaginaceae)</i>
17:45-18:00 (S2.0.2)	Marta Barluenga; Ana Santacruz et al.: <i>The Major Histocompatibility Complex, a magic trait driving sympatric speciation?</i>
18:00-18:15 (S2.0.3)	M ^a Ángeles Decena et al.: <i>The Brachypodium pangenome reveals differently evolved drought responsive dehydrin genes within its species</i>
18:15-18:30 (S2.0.4)	Carlos Sarabia et al.: <i>Genomic structure, demographic histories and differential introgression in two distant populations of African golden wolf</i>
18:30-18:40 (S2.0.5)	Daniel Kleinman-Ruiz et al.: <i>Whole-genome analysis of the genetic load of Iberian and Eurasian lynx populations</i>
18:40-18:50 (S2.0.6)	Sebastián E. Ramos-Onsins et al.: <i>The whole genome effect of selection in wild and domestic pigs</i>
18:50-19:00 (S2.0.7)	Armando Caballero & Enrique Santiago: <i>Trajectory of effective population size inferred from genome-wide linkage disequilibrium</i>
19:00-20:30	Poster session
20:45-22:00	Welcome reception (Tapas): Al-Andalus Hotel

Day 2 Thursday 6th Feb

9:00-11:00	Session S3. Paleobiology and Macroevolution Conveners: Francisco Balao, Marcial Escudero, Isabel Sanmartín. Sponsor: STAB VIDA
9:00-9:30 (S3.0.0)	Keynote: Daniele Silvestro: Inferring macroevolutionary processes from phylogenies and fossils
9:30-9:45 (S3.0.1)	Andrea Sanchez Meseguer et al.: <i>The origin and drivers of Neotropical plant and tetrapod diversification</i>
9:45-10:00 (S3.0.2)	E. Karen López Estrada et al.: <i>Host jump triggered replicated adaptive radiations in a single clade of blister beetles (Coleoptera: Meloidae)</i>
10:00-10:15 (S3.0.3)	Enrique Maguilla et al.: <i>Origin and evolution of the genus Linum L. (Linaceae) and the role of heterostyly on the colonization of new areas</i>
10:15-10:30 (S3.0.4)	Lisa Pokorny et al.: <i>Reconstructing the complex evolutionary history of the Papuasian Schefflera radiation through herbariomics</i>
10:30-10:45 (S3.0.5)	María Fernanda Moreno-Aguilar et al.: <i>Museomics unveil the phylogeny and biogeography of the neglected Juan Fernandez archipelago Megalachne and Podophorus endemic grasses</i>
10:45-11:00 (S3.0.6)	Aurora Ruiz-Herrera et al.: <i>Evolvability of recombination in mammals: the effect of chromatin organization</i>
11:00-11:30	Coffee break (at the poster hall)
11:30-13:30	Session 4. EVO-DEVO Conveners: José Luis Gómez-Skarmeta, Fernando Casares, Ivan Gómez-Mestre. Sponsor: Genes (MDPI)
11:30-12:00 (S4.0.0)	Keynote: Manuel Irimia: Parallel evolution of neural microexons in insects and vertebrates
12:00-12:15 (S4.0.1)	Isabel Almudi et al.: <i>The mayfly Cloeon dipterum: a new platform to study insect evolution and morphological novelties</i>
12:15-12:30 (S4.0.2)	Alfonso Ferrández-Roldán et al.: <i>The braveheart story of Oikopleura dioica: a cardiogenic loser, but not a heartless chordate</i>
12:30-12:45 (S4.0.3)	David Madrid Pulgarín et al.: <i>In vivo optical imaging and hodological data reveal an ancient tectopliallial visual pathway in teleost fish</i>
12:45-13:00 (S4.0.4)	Lee Hyeun-Ji et al.: <i>Population divergence of developmental plasticity in the spadefoot toad, Pelobates cultripes</i>
13:00-13:15 (S4.0.5)	Xavier Belles: <i>Evolution of insect metamorphosis. Insights from the regulatory mechanisms</i>
13:15-13:30 (S4.0.6)	David Ricote & Ignacio Maeso: <i>Towards a novel unifying view of the genotype concept</i>
13:30-15:00	Lunch time
15:00-16:00	SESBE General Assembly
16:00-16:30	Coffee break (at the poster hall)
16:30-18:30	Session 5. Microbial Evolution Conveners: Fernando González-Candelas. Sponsor: Macrogen
16:30-17:00 (S5.0.0)	Keynote: Fernando González-Candelas: Non-vertical inheritance in the evolution of bacteria
17:00-17:15 (S5.0.1)	José Jordán Soria et al.: <i>Microbial communities change the environment or the environment change microbial communities? Implications for microbial adaptation in Rio Tinto rock coatings</i>
17:15-17:30 (S5.0.2)	Mireia Coscollá Devís & Paula Ruiz: <i>Phylogenomics and antigenic Variation in Mycobacterium tuberculosis</i>
17:30-17:45 (S5.0.3)	Mario López-Pérez & Francisco Rodríguez-Valera: <i>Metastable evolutionary dynamics of the dominant marine bacteria SAR11</i>
17:45-18:00 (S5.0.4)	Andrés Moya et al.: <i>Progressive genome evolution in Cyanobacteria</i>

18:00-18:15 (S5.0.5)	Jaime Iranzo et al.: <i>Gene gain and loss drive prokaryotic populations beyond the barrier of homologous recombination and accelerate genome sequence divergence</i>
18:15-18:30 (S5.0.6)	Álvaro Chiner-Oms et al.: <i>Evolutionary analysis of the Mycobacterium tuberculosis complex: genome-wide signals of positive selection</i>
18:30-20:00	Poster session

Day 3 Friday 7th Feb

9:00-10:45	Session 6. Evolutionary Ecology II Conveners: Conchita Alonso, Montse Arista, Paola Laiolo. Sponsor: STAB VIDA
9:00-9:30 (S6.0.0)	Keynote: Patricia Beldade: The genetic and environmental underpinning of phenotypic variation and diversification
9:30-9:45 (S6.0.1)	José M. Gómez Reyes et al.: <i>Within-individual plasticity in floral phenotype mediates a change in pollination niche</i>
9:45-10:00 (S6.0.2)	Nuria Cavia-Polo et al.: <i>Widespread learned predator recognition and amphibian resilience to alien predators</i>
10:00-10:15 (S6.0.3)	M ^a Teresa Boquete Seoane et al.: <i>Population differentiation for Cu tolerance in two bryophyte species phenotypic and transcriptomic analyses</i>
10:15-10:25 (S6.0.4)	Mercedes Sánchez Cabrera et al.: <i>De novo transcriptome assembly of Lysimachia arvensis identifying anthocyanin biosynthesis genes involved in flower colour polymorphism</i>
10:25-10:35 (S6.0.5)	Anupoma Niloya Troyee; Conchita Alonso; Monica Medrano: <i>If plants could remember about their enemies effect of herbivory on seed production and its potential epigenetic association</i>
10:35-10:45 (S6.0.6)	Carolina Osuna Mascaró et al.: <i>Hybridization and adaptive introgression in plants: the case of corolla color in Erysimum</i>
10:45-11:15	Coffee break (at the poster hall)
11:15-12:00	Session 7. Evolutionary Genetics II Conveners: Xavier Picó, Ivan Gómez-Mestre, Elena Casacuberta. Sponsor: Macrogen
11:15-11:30 (S7.0.1)	Borja Milá & Guillermo Friis: <i>Rapid diversification of dark-eyed juncos (Aves: Passerellidae): phylogenomic and transcriptomic insights into the relative roles of natural and sexual selection</i>
11:30-11:40 (S7.0.2)	María Bogaerts-Márquez et al.: <i>Temperature, solar radiation, and wind variables drive genetic variation in Drosophila melanogaster natural populations</i>
11:40-11:50 (S7.0.3)	Pau Carazo et al.: <i>The genetic sex determination system and relative Y size are associated with sex-specific lifespan in vertebrates</i>
11:50-12:00 (S7.0.4)	Héctor Torrado et al.: <i>Environmental and phenotypic drivers influence differential genomic responses in congeneric fish</i>
12:00-13:15	Session 8. Evolution of and by humans Conveners: Antonio Benítez-Burraco, Juan Arroyo, Pedro Jordano, Sponsor: STAB VIDA
12:00-12:30 (S8.0.0)	Keynote: Antonio Benítez-Burraco: The human self-domestication hypothesis as a way of reconciling the biological and cultural narratives of language evolution
12:30-12:45 (S8.0.1)	David Juan et al.: <i>Gene regulatory architectures dissect the evolutionary dynamics of regulatory elements in humans and non-human primates</i>

12:45-13:00 (S8.O.2)	Barbara Sinigaglia et al.: <i>Deciphering a biological adaptation in the Andamanese people</i>
13:00-13:15 (S8.O.3)	Ana Roca-Umbert et al.: <i>Understanding signatures of positive selection in human zinc transporter genes</i>
13:15-13:30	Awards. Sponsors: SESBE, AEET, PeerJ
13:30-14:30	Closing Lecture. Janet Kelso: <i>Archaic genomics.</i> Sponsor: CABD
14:30	Farewell and Lunch time (Poster removal)

Opening Ceremony, Opening Lecture, Sessions, Closing Ceremony: Conference Hall, School of Mathematics

Poster session: Hall of the School of Biology

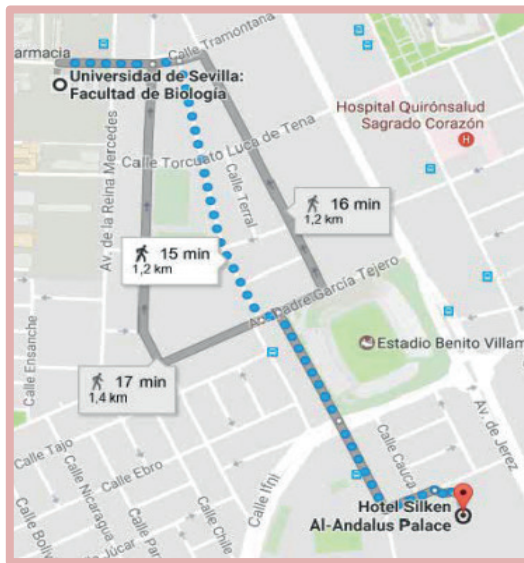
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How to reach Welcome reception (Al-Andalus Hotel) from SESBE 2020 Conference



VII Biennial Congress of SESBE
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Sponsors



SESBE VII congress

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Sociedad Española de Biología Evolutiva

Layout: Carmen Benítez Benítez & Estefanía Martínez Borda

Seville, Spain

PROGRAMME



CONGRESS OF THE SPANISH SOCIETY FOR EVOLUTIONARY BIOLOGY

SEVILLE, 5-7 FEBRUARY 2020



Sociedad Española de Biología Evolutiva