

EEBST 2019

Ecology and Evolutionary Biology Symposium

10-12 July 2019

Programme



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10.07.2019 Wednesday

08:30 08:45
08:45 09:00
09:00 09:15
09:15 09:30
09:30 10:30
10:30 10:45
10:45 11:00
11:00 11:15
11:15 11:45
11:45 12:00
12:00 12:15
12:15 12:30
12:30 13:30

Registration

Welcome: Emre Keskin

Chair: TBA

Keynote Speech: *Olivia Roth*
The Evolution of Male Pregnancy and the Remodelling of Vertebrate Adaptive Immunity

Mini-Break

Unraveling the extend of gene duplication in Arabidopsis thaliana using GWAS
Benjamin Jeagle, Mayela Soto, Gökce Aköz, Ilka Reichardt-Gomez, Magnus Nordborg

Characterization of the Human Pathogen Peptidome and Specialization in Peptide Binding Among MHC Class-I Alleles
Onur Özer, Tobias L. Lenz

Coffee Break

Chair: TBA

Structural Organization and Standing Genomic Variation in the MHC of the Three-spined Stickleback
Malavi Sengupta, Panchal M, Samonte IE, Chain F, Eizaguirre C, Feulner CGD, Kalbe M, Bornberg-Bauer E, Reusch TBH, Milinski M, Lenz TL

Genetic Structures of Salix alba and Salix excelsa Populations from Two Major River Systems in Turkey
Funda Özdemir Değirmenci, Pelin Acar, Zeki Kaya

Not a generalist after all? Life history genomic regions explain differences in Atlantic salmon diet
Tutku Aykanat, Martin Rasmussen, Mikhail Ozerov, Eero Niemelä, Kjetil Hindar, Vidar Wennevik, Torstein Pedersen, Martin-A. Svenning, Craig R. Primmer

Lunch

Chair: TBA

13:30 13:45

13:45 14:00

Keynote Speech: *Dieter Ebert*
Explaining species wide diversity: What shapes phenotypic and genotypic diversity across space?

14:00 14:15

14:15 14:30

14:30 15:30

Poster Session
& Coffee Break

Chair: TBA

15:30 15:45

Species interactions captured in phylogeographic patterns
Emrah Coraman, Heliana Dundarova, Christian Dietz, Frieder Mayer

15:45 16:00

Environmental DNA: a tool for estimation of fish biomass/abundance?
Ayşegül Er, Metehan Arıkan, Fuat Bilgin, Emre Keskin

16:00 16:15

Seasonality effect on the demography of large mammal species in Northwestern Anatolia
A. Dilşad Dağtekin, Arpat Özgül, Alper Ertürk, Anıl Soyumert

16:15 16:30

Changes in Waterbird Community Structure and Functional Diversity in Shallow Lakes: The Role of Water Level and Submerged Macrophytes
İbrahim Kaan Özgencil, Meryem Beklioğlu, Korhan Özkan, Çağatay Tavşanoğlu, Niccolo Fattorini

16:30 16:45

Mini-Break

Chair: TBA

16:45 17:00

Influence of Fish Predation on Size-based Interactions and Recovery of Zooplankton Communities in Freshwater Planktonic Food Webs: Examples from Mesocosm Experiments
Zeynep Ersoy, Mireia Bartrons, Thomas Mehner, Erik Jeppesen, Sandra Bruce

17:00 17:15

Genetic similarities among diseases as a means of understanding ageing
Handan Melike Dönertaş, Matias Fuentealba Valenzuela, Linda Partridge, Janet M. Thornton

17:15 17:30

Mesocosm Experiment on Effects of Microplastic on Freshwater Zooplankton Community
Dilvin Yıldız, Gülce Yalçın, Meryem Beklioğlu

11.07.2019 Thursday

08:30 08:45
08:45 09:00
09:00 09:15
09:15 09:30

Registration

Chair: TBA

09:30 10:30

Keynote Speech: *Douglas Joel Futuyma*
The Evolutionary Synthesis Then and Now: Accomplishments and Challenges

10:30 10:45

Mini-Break

10:45 11:00

Contributions of sperm and seminal fluid to ejaculate senescence, and its amelioration via insulin signalling
Irem Sepil, Ben Hopkins, Rebecca Dean, Eleanor Bath, Solomon Friedman, Ben Swanson, Harrison Ostridge, Norene Buehner, Mariana Wolfner e,q, Rebecca Konietzny, Marie-Laëtitia Thézénas, Elizabeth Sandham, Philip D Charles, Roman Fischer, Josefa Steinhauer, Benedikt M Kessler, Stuart Wigby

11:00 11:15

Coevolution of female fidelity and male help under intra- and inter-locus sexual conflict
Xiang-Yi Li, Wolfgang Goymann

11:15 11:45

Coffee Break

Chair: TBA

11:45 12:00

Sex Ratio at Mating Does Not Modulate Age-Related Fitness Decline in *Drosophila melanogaster*
Zahida Sultanova, Pau Carazo

12:00 12:15

Life history evolution under cancer risk: linking cell-level strategies to organismal traits
E. Yağmur Erten, Hanna Kokko

12:15 12:30

Cultural Selection Shapes Network Structure
Marco Smolla, Erol Akçay

12:30 13:30

Lunch

Chair: TBA

13:30	13:45	Distinguishing between recent balancing selection and incomplete sweep using deep learning <i><u>Ulaş Işıldak</u>, Matteo Fumagalli</i>
13:45	14:00	Studying polyploidy with “right” genomes and “right” approaches <i><u>Gökçe Aköz</u>, Magnus Nordborg</i>
14:00	14:15	Rigorous Model Ranking and Exhaustive topology Exploration Improve the Functionality of qpGraph <i><u>Eren Yüncü</u>, Olga Flegontova, Piya Changmai, N. Ezgi Altınışik, Stephan Schiffels, Pavel Flegontov</i>
14:15	14:30	Empirically Tractable Antibiotics Time Machines <i>Burak Kocuk, <u>Ali Rana Atılgan</u></i>
14:30	15:30	Poster Session & Coffee Break
15:30	15:45	
15:45	16:00	Panel Gender Equality
16:00	16:15	
16:15	16:30	
16:30	16:45	Mini-Break
16:45	18:30	EEBST Board Meeting

12.07.2019 Friday

08:30 08:45

08:45 09:00

09:00 09:15

09:15 09:30

Registration

Chair: TBA

09:30 10:30

Keynote Speech: *Lucie Zinger*
Macroecology of Microbial Communities

10:30 10:45

Mini-Break

10:45 11:00

The effect of salt concentrations on genome-wide mutation rate on halophilic archeon *Halobacterium salinarum*
Alp Mete Ümmet, H. Özgür Özdemirel, Dilara Ulusal, Hasan Ünal, Sibel Küçükylıdırım

11:00 11:15

Assessment of Using Three-Way Interactions Between Plants, Microbes and Arthropods in Pest Management:
A Case Study of the Three-Way Interaction Between Potato Plant, Mycorrhizal Fungi and Colorado Potato Beetle
Remzi Atlıhan, Semra Demir, Mehmet Ramazan Rışvanlı

11:15 11:45

Coffee Break

Chair: TBA

11:45 12:00

The role of gene flow and hybridization in shaping genetic diversity structure of *Populus nigra* populations
in Turkey
Asiye Çiftçi, Zeki Kaya

12:00 12:15

Establishing National Early Warning and Monitoring System for Available and Potential Non-native Freshwater Fish
Species in Turkey
*Esra Mine Ünal, Işıl Çelik, Ali Serhan Tarkan, Ozan Çiftçi, Ayşegül Er,
Sevgi Kaynar, Hasan Hüseyin Atar, Emre Keskin*

12:15 12:30

Impact of Deep Sea Mining on Seafloor Ecosystems: A Baseline Study on Clarion-Clipperton Zone
(Expedition SO268)
*Batuhan Çağrı Yapan, Julia M. Otte, Yasemin Bodur, Jakob Barz, Elena Schiller, Freija Hauquier, Felix Janssen,
Frank WenzHöfer, Massimiliano Molari*

12:30 13:30

Lunch

Chair: TBA

13:30 13:45

13:45 14:00

Keynote Speech: *Laurent Duret*
The dark side of recombination: biased gene conversion in the tree of life

14:00 14:15

14:15 14:30

14:30 15:30

Poster Session
& Coffee Break

15:30 15:45

15:45 16:00

Panel
Turkish Antarctic Expeditions and Future for Turkish EcoEvo Researchers to Conduct Fieldwork
in Global Context

16:00 16:15

16:15 16:30

16:30 16:45

Mini-Break

Chair: TBA

16:45 17:00

Towards a More Comprehensive Approach for Delineating Priority Areas for Plant Conservation
in Biodiversity Hotspots: The Case of Lebanon (Eastern Mediterranean)
Mohammad S. Al-Zein, Mariana Yazbek

17:00 17:15

Structural Evaluation of DHFR Resistance Conferring Mutations Reveal Distinct Resistance Mechanisms
at the Molecular Level
Haleh Abdizadeh, Yusuf Talha Tamer, Erdal Toprak, Ali Rana Atilgan, *Canan Atilgan*

17:15 17:30

Determination of Culturable Free-Living Amoebae in the Biofilm in Formation Process
Miray Ustunturk-Onan, Tuba Unsal, Esra Ilhan-Sungur

17:30 18:30

Closing Ceremony