

Wednesday, 21 November 2018

Arrival in Barcelona

20:00 GET-TOGETHER DINNER at the Hotel Restaurant **Acanto**, Travessera de les Corts, 150-152, 08028 Barcelona

Thursday, 22 November 2018

Venue: Aula de Graus (Aulario), Faculty of Biology, University of Barcelona, Av. Diagonal, 643, 08028 Barcelona

08:00 MEETING AT THE HOTEL LOBBY AND WALK TO THE VENUE

08:00 – 08:30 REGISTRATION

08:30 – 09:00 **Opening Speech and Introduction of AGYA**
PD Dr. Salma Balazadeh
Max Planck Institute of Molecular Plant Physiology, Potsdam, Germany & AGYA member
Dr. Henda Mahmoudi
International Center for Biosaline Agriculture (ICBA), Dubai, United Arab Emirates & AGYA member

09:00 – 11:00 **Session 1: Origins, Diffusion, and Impact of Agriculture in the Mediterranean Basin**

09:00 – 09:45 **Keynote Speech 1**
Challenges of the Global Change in the Mediterranean Agriculture
Prof. Dr. José Luis Araus
University of Barcelona, Spain

09:45 – 10:15 COFFEE BREAK

10:15 – 11:00 **Keynote Speech 2**
Al-Filaha: Sustainability and Innovation. A Historian's Approach to Agriculture under Islamic Rule.
Dr. Gottfried Liedl
University of Vienna, Austria

Chair: Prof. Dr. Lalla Btissam Drissi
Mohammed V University-Agdal, Rabat, Morocco & AGYA member

11:00 – 12:30

Poster Session 1: Evolution of Agriculture in the Mediterranean Basin

Beekeeping Around the Mediterranean
Rami Hamza
Exploitation of Wild Edible Mushroom Resources in Tunisia
Soumaya Boudagga
Aerial Versus Ground Phenotyping Quiz: A Proof of Concept with Durum Wheat
Adrian Gracia Romero
Wheat Phenotyping: Combining HTPPs and Isotopic Signature for an Enhanced Yield Prediction
Fatima Zahra Rezzouk
Towards the Calibration of Durum Wheat Ear and Leaf Metabolomes by Hyperspectral Data
Omar Vergara Diaz
Evaluating Maize Genotype Performance under Low Nitrogen Condition Using Affordable UAV Phenotyping Techniques
Maria Luisa Buchailot
Comparative Performance of the Ear and the Flag Leaf to Grain Yield: The Carbon Isotope Composition Approach
Fadia Chairi
Agri-Geomatics: The Big Data Revolution in Agriculture
Mohamed Ali Mahmoudi
Introduction of Durum Wheat Response Using Biostimulants by Seeds Coating
Zayneb Kthiri
Automatic Ear Counting System Using Thermal Imagery
José Armando Fernández Gallego

Jury members:
Ghazi Jawad Al Jabri
International Center for Biosaline Agriculture (ICBA), Dubai, United Arab Emirates
PD Dr. Salma Balazadeh
Max Planck Institute of Molecular Plant Physiology, Potsdam, Germany & AGYA member

Chair: Dr. Iman Tabatabaei
Max Planck Institute of Molecular Plant Physiology, Potsdam, Germany

12:30 – 14:00

LUNCH BREAK at the Cafeteria FIFTEEN Parc Científic, Carrer de Baldiri Reixac, 4, 08028 Barcelona

14:00 – 16:00

Panel Discussion 1: Agriculture in the Mediterranean Basin: Reconsidering Past, Present and Future Aspects
Panelists:
Prof. Dr. Bernd Müller-Röber
University of Potsdam & Max Planck Institute of Molecular Plant Physiology, Potsdam, Germany
Prof. Dr. Eugenia Maximova
Max Planck Institute of Molecular Plant Physiology, Potsdam, Germany
With Input Speeches by:
Photo-oxidative Stress Markers as A Measure of Abiotic Stress Tolerance and Leaf Senescence: Advantages and Limitations
Prof. Dr. Sergi Munné-Bosch
University of Barcelona, Spain
Disease Control with Microorganisms: A Reality in Agriculture
Prof. Dr. Marie Isabel Trillas Gay
University of Barcelona, Spain
Moderation: Dr. Mohamed Abou El-Enein
Charité - Universitätsmedizin Berlin, Germany & AGYA member

16:00 – 16:30

COFFEE BREAK

16:30 – 17:30

Optional: Tour in the University of Barcelona and Networking with Spanish Colleagues

19:30

MEETING AT THE HOTEL LOBBY AND METRO RIDE TO THE RESTAURANT

20:00

CONFERENCE DINNER at the Restaurant **Mussol Arenas** Gran Via de les Corts Catalanes, 373-385 - Local R-2, 08015 Barcelona

Friday, 23 November 2018

Venue: Aula de Graus (Aulario), Faculty of Biology, University of Barcelona, Av. Diagonal, 643, 08028 Barcelona

08:00

MEETING AT THE HOTEL LOBBY AND WALK TO THE VENUE

08:30 – 10:00

Session 2: Agricultural and Rural Development in the Mediterranean Region – Strategies to Improve Food Security, Public Health, and Economic Development

08:30 – 09:15

Keynote Speech 3
Extremophile Plants: A Source of Information to Improve Abiotic Stress Tolerance of Crops
Prof. Dr. Ismail Turkan
Ege University, Bornova, Turkey & Tohoku University, Sendai, Japan

09:15 – 10:00

Keynote Speech 4
Halophytes: Promising Candidates to Improve Agricultural Yields in Marginal Areas
Prof. Dr. Chedly Abdelly
National Agency of Scientific Research Promotion (ANPR), Tunis, Tunisia

Chair: Prof. Dr. Ahmad Sakhrieh
American University of Ras Al Khaimah, United Arab Emirates & AGYA member

10:00 – 10:30

COFFEE BREAK

10:30 – 12:30

Panel Discussion 2: Agricultural and Rural Development in the Mediterranean Region: Farmer Empowerment
Panelists:
Dr. Rut Sanchez Bragado
University of Barcelona & University of Lleida, Spain
Prof. Dr. Maria Dolores Serret Molins
University of Barcelona, Spain
Ghazi Jawad Al Jabri
International Center for Biosaline Agriculture (ICBA), Dubai, United Arab Emirates
Kuamivi Olivier Zaga
ONG Z-FUNDS, Exploitation Agricole, Maison Bossou Akoua Qtier, Tchicomey, Benin
With An Input Speech by:
Origins and Expansions of Mediterranean Agriculture in the Context of Global Change
Dr. Juan Pedro Ferrio
ARAID-Forest Resources Unit, Agrifood Research and Technology Centre of Aragón, Zaragoza, Spain



Moderation: Prof. Dr. Maha Nasr
Ain Shams University, Cairo, Egypt
& AGYA member

12:30 – 14:00

LUNCH BREAK at the Cafeteria FIFTEEN
Parc Científic, Carrer de Baldiri Reixac, 4, 08028
Barcelona

14:00 – 15:30

Poster Session 2: Innovations in Agriculture

Making the Future of Agriculture into Reality
Mahmoud Hamza

Agriculture and Computer Science: A Growing
Collaboration

Fourat Mahmoudi

The Effect of Nutrient Deficiency on Oxidative
Stress Response of Cotton (*Gossypium hirsutum*)
A Widely Cultivated Plant in the Mediterranean
Region of Turkey

Rengin Özgür Uzilday

The HD-Zip Transcription Factor JUB2 Modulates
Growth and Development by Regulating
JUNGBRUNNEN1 in Arabidopsis

Shu Chao Dong & Maryam Baghi

The Role of Heat Shock Proteins for
Thermomemory

Miaoqing Qin & Mastoureh Sedaghatmehr

Transcriptional Regulation of FtsH6 via
HSFA2 upon Heat Stress Priming and during
Thermorecovery Phase in Arabidopsis Thaliana

Benno Stüwe & Ewa Leniak

Investigation of the Regulatory Role of Target
of Rapamycin in Transcriptional Activation of
Autophagy in Arabidopsis

Andrew Wiszniewski

NAC Transcription Factor RD26 Positively
Regulates Developmental and Stress-Included
Senescence and Related Metabolic Alterations in
Arabidopsis

Dr. Iman Kamranfar

Investigation of the Mechanisms through
which JUB1 Confers Tolerance to Drought

Maryna Molochko

Investigating the Regulatory Role of NBR1
during Thermomemory in Arabidopsis

Vikas Devkar & Kumar Venkatesh

Jury members:

Prof. Dr. Mousa Mohsen

American University of Ras Al Khaimah, United
Arab Emirates

Dr. Henda Mahmoudi

International Center for Biosaline Agriculture
(ICBA), Dubai, United Arab Emirates &
AGYA member

Chair: Dr. Mariam Dadashzadeh

Max Planck Institute of Molecular Plant Physiology,
Potsdam, Germany

15:30 – 16:30

**Poster Award Ceremony and
Closing Remarks**

16:30 – 20:00

*Optional: Scientific Excursion & City Tour
to Barcelona Science Museum*

20:00

FAREWELL DINNER at the Restaurant **Citrus**
Passeig de Gràcia, 44, 08007 Barcelona

Saturday, 24 November 2018

Departure of Participants

09:30 – 12:00

Student Networking and Exchange Event
*German and Arab Perspectives on the Evolution
of Mediterranean Agriculture*

Moderation: Dr. Henda Mahmoudi

International Center for Biosaline Agriculture
(ICBA), Dubai, United Arab Emirates &
AGYA member

Conference Venue

Aula de Graus (Aulario),
Faculty of Biology,
University of Barcelona,
Av. Diagonal, 643, 08028 Barcelona

Accommodation

Hotel NH Barcelona Stadium
Travessera de les Corts, 150-152
08028 Barcelona

Conference Organizers

PD Dr. Salma Balazadeh

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In close cooperation with **Prof. Dr. Maria Dolores Serret**

Molins and **Prof. Dr. José Luis Araus** from the University of
Barcelona, Spain

Contact AGYA Team

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