

Programa

XVI Simposio de Fitohormonas de la Sociedad Española de Biología de Plantas

Sede: Convento de Mínimos **Registro y recogida de documentación** a partir de las 13.30

Miércoles, 19 de abril

14:40-15:00 Apertura

15:00-15:50 Conferencia Invitada/Invited Seminar

Alain Goossens VIB (Belgium).

Molecular interactions in the jasmonate-mediated regulation of plant specialized metabolism.

16:00-16:20 **José Manuel Franco-Zorrilla**, CNB (Madrid)

Transcriptional regulation in plants in a changing world

16:20-16:40 **José Manuel, Pérez-Pérez**, UMH (Elche)

Exploring natural variation to identify new regulators of tissue regeneration in tomato

16:40-17:30 **Coffee break + i-poster session**

17:30-17:50 **Juan Carlos del Pozo**, CBGP (Madrid)

BiAux, an allosteric modulator of auxin co-receptors, regulates lateral root formation

17:50-18:10 **Gema Castillo-García**, CNB (Madrid)

The TCP transcription factor *BRANCHED1* not only promotes ABA biosynthesis in axillary buds but also increases its responsiveness

18:10-18:30 **Antonio Serrano-Mislata**, IBMCP (Valencia)

Regulation of gibberellin homeostasis at the shoot apical meristem of Arabidopsis

18:30-18:50 **María Jesús, López-Martín**, IBMCP (Valencia)

Seed-derived signals trigger the end of flowering in tomato

19:30-21:00 Visita Guiada por el casco antiguo de Segovia, terminando al inicio del Acueducto, cerca del Hotel san Antonio el real.

21:15-22:15 **Coctel de bienvenida en el hotel San antonio el Real** (<https://www.sanantonioelreal.es/es/>)

Jueves, 20 de abril

9:30-10:00 Conferencia Plenaria 1

Isabel Diaz, CBGP (Madrid)

Small pieces complete a plant defense puzzle against spider mites modulated by hormones

10:00-10:20 **Pedro L. Rodríguez**, IBMCP (Valencia)

Sending out an ABATAR for ABA signaling in crops

10:20-10:40 **Óscar Lorenzo**, CIALE (Salamanca)

The gasotransmitters Ethylene and Nitric oxide: sensing and signalling during hypoxic stress in Arabidopsis.

10:40-11:00 **Mikel Urdin-Bravo**, IBMCP (Valencia)

Volatiles released in response to proximity shade function as long-distance growth regulators

11:00-11:20 **Vicente Vives-Peris**, Universidad Jaume I (Castellón)
Importance of the grafted scion in the responses of citrus to salt stress

11:20-12:30 Coffee break + i-poster session

12.30-12:50 **Luis Oñate-Sánchez**, CBGP (Madrid)
A novel membrane-associated signalling mechanism modulates growth control under carbon/nitrogen unbalance via DELLA protein stability

12.50-13:10 **Joan Manel López-Tubau**, CRAG (Barcelona)
Impaired sterol ester biosynthesis in tomato leads to an early seed germination phenotype

13:10-13:30 **Javier Agustí**, IBMCP (Valencia)
PIN3 regulates the weight-induced radial growth in plants

13:30-15:00 Lunch at Convento de Mínimos

15:00-15:20 **M. Mar Castellano**, CBGP (Madrid)
HOP co-chaperones play a main in the stabilization of E3 ubiquitin ligases involved in phytohormonal signaling

15.20-15:40 **Jose Angel Martin Rodriguez**, CEBAS (Murcia)
Low root-ethylene production alters leaf hormonal balance and gene expression alleviating salt stress in tomato

15.40-16:00 **Julio Salguero**, Universidad de Extremadura (Badajoz)
Abscisic acid inhibits lateral root initiation on maize root system

16:00-16:20 **Andrea Chini**, CNB (Madrid)
Evolution of the jasmonate ligands and their biosynthetic pathways

16:20-17:10 Coffee break + i-poster session

17:10-17:30 **María A. Nohales**, IBMCP (Valencia)
Circadian regulation of jasmonic acid signaling by the core clock component *GIGANTEA*

17:30-17:50 **Purificación A. Martínez-Melgarejo**, CEBAS (Murcia)
Abscisic acid interacts with auxin metabolism in shaping the root system architecture under nutrient deficiency in tomato

17:50-18:10 **Javier Lidoy**, EEZ (Granada)
Ethylene signaling is essential for mycorrhiza-induced resistance against chewing herbivores in tomato

18:10-18:30 **Adrián González Ortega-Villaizán**, CBGP (Madrid)
A novel mechanism controlling auxin dynamics in *Arabidopsis thaliana* roots infected by *Serendipita indica*

21:30 cena del congreso en Restaurante Jose Maria (<http://www.restaurantejosemaria.com/>)

Viernes 21 de abril

10:00-10:30 Conferencia Plenaria 2

Miguel Blázquez, IBMCP (Valencia)
The multiplicity of functions of gibberellins: an evolutionary tale

- 10:30-10:50 **Lidia Soto Pascual**, Universidad Jaume I (Castellón)
The impact of multifactorial stress combination on tomato phytohormone content and signaling
- 10:50-11:10 **Krzysztof Wabnik**, CBGP (Madrid)
Auxin beyond plants: control of eukaryotic communities through auxin rhythms
- 11:10-11:30 **Ana, Páez-García**, CBGP (Madrid)
A novel Arabidopsis ABC transporter regulates oscillating periodic auxin response in roots.
- 11:30-12:20 Coffee break + i-poster session**
- 12:20-12:40 **Javier Brumos**, IBMCP (Valencia)
Translation regulation during fruit ripening
- 12:40-13:00 **Irene, Rosa-Diaz**, CBGP (Madrid)
Stomata: a weakness in the defence against *T. urticae* that ABA can overcome
- 13:00-13:20 **Jorge Vicente**, CNB (Madrid)
The N-degron pathways modulate the plant immune response
- 13:20- 14:00 Cierre del simposio conclusiones y anuncio de la próxima reunión