

Preliminary program

9h00 – 12h30 Registration and poster setup

14h00 - 14h15 *Welcome address and Introduction to the COST Action FA1106* **Hernâni Geros** (Local Organizer) **Mondher Bouzayen** (Chair) - **Mario Pezzotti** (Vice-Chair)

SESSION 1: “Fruit Development and Ripening” Chairs: Kalliopi Angelakis Roubelakis & Hernani Geros

14h15-14h40 **Zhengguo Li** (Chonqing University, Chongqing, Chine) *Functional characterization of SITIR1/AFBs auxin receptor family uncovers distinctive roles in regulating growth and development in tomato*

14h40-15h05 **Hernani Geros** (Universidade do Minho, Portugal)

Molecular, biochemical and biotechnological impacts of copper in grape berry (*Vitis vinifera* L.)

15h05-15h30 **Livio Trainotti** (University of Padova, Italy) *A ROOT GROWTH FACTOR/ GOLVEN peptide hormone is involved in a regulatory circuit with auxin and ethylene to regulate peach ripening*

15h30-15h45 **Guojian Hu** ESR (INRA-INP, Toulouse, France) *Epigenetic changes underlying the genome-wide transcriptomic reprogramming of the flower-to-fruit transition in tomato*

SESSION 1: “Fruit Development and Ripening” continued Chairs: Sara Amancio & Antonio Granell

16h05-16h30 **Panos Kalaitzis** (Maich, Chania, Greece) *A tomato prolyl 4 hydroxylase is involved in fruit development and abscission*

16h30-16h55 **Giovanni Battista Tornielli** (University of Verona, Italy) *Functional characterization of a TTG2-like transcription factor involved in the regulation of vacuolar transport and flavonoid biosynthesis in grapevine*

16h55-17h20 **Arnaud Bovy** (PRI- Wageningen University, The Netherlands) *Large scale phenotyping of aroma in a tomato core collection*

17h20-17h35 **Luisa Carvalho** (ISA, University of Lisbon, Lisbon) *Gene selection for a qPCR array to analyse the response to abiotic stress in grapevine leaves*

17h35-17h50 **Neda Anicic** ESR (University of Belgrade, Serbia) COST STSM *Chemical and transcriptomic analyses revealed the phenylpropanoid biosynthesis during development of *Cistus creticus* subsp. *Creticus* fruit*

SESSION 2: “Environment factors determining fruit yield” Chairs: Sladjana Savic & Angelos Kanellis

9h00-9h25 **Ana Margarida Fortes** (Universidade do Lisboa, Lisbon, Portugal) *Structural and Functional Analyses of the GRAS and LOB Gene Family in Grapevine Indicate a Role of GRAS and LOB Proteins in the Control of Grape Ripening and Stress Responses*

9h25-9h50 **Rebecca Stevens** (INRA, Avignon, France) *A systems biology study in tomato fruit reveals signaling from the ascorbate pool and links with translation and the heat-shock response*

9h50-10h15 **Claudio Bonghi** (Padova, Italy) *Impact of rootstock and vineyard practices on the grape berry development and composition*

10h15-10h30 **Artur Conde** (Universidade do Minho, Braga, Portugal) *Kaolin foliar application has a stimulatory effect on phenylpropanoid and flavonoid pathways in grape berries*

SESSION 3: “Fleshy Fruit Metabolism and quality” Chairs: Gabriella Rapeanu & Jean-Marc Routaboul

10h50-11h15 **Paul Fraser** (Royal Holloway University of London, London, UK) *Expression of a Bacterial Carotene Desaturase/Isomerase in Tomato Mutants Reveals Feed-Forward Regulation Resulting in *b*-carotene Accumulation*

11h15-11h40 **Martine Lemaire-Chamley** (INRA-Université de Bordeaux, Bordeaux, France) *Identification of a C2H2 transcription factor implicated in locular tissue differentiation in tomato*

11h40-11h55 **Jose Tomas Matus Picero** (CRAG, Barcelona, Spain) *Genome-wide studies pave the way for the characterization of secondary metabolism regulators in the grapevine berry: the journey of a decade*

11h55-12h10 **Baowen Huang** ESR (INRA-INP, Toulouse, France) *Tomato class-D MADS-box genes impact both seed and fruit development*

12h10-12h25 **Juliana Almeida**, ESR (Royal Holloway University of London, London, UK) *Down-regulation of tomato PHYTOL KINASE strongly impairs tocopherol biosynthesis and affects prenyl lipid metabolism in an organ-specific manner*

SESSION 4: “Resources, tools and methodologies for fleshy fruit research” Chairs: Marilu Chiusano & Mohamed Zouine

- 14h00-14h25 **Pietro Tonutti** (Pisa, Italy) *Maintaining postharvest apple quality under extreme oxygen concentrations: molecular responses and metabolic reset*
- 14h25-14h50 **Bart Nicolai** (KU Luwen, Belgium) *Metabolomics and metabolic flux analysis of tomato fruit under hypoxia*
- 14h50-15h15 **Asaph Aharoni** (The Weizmann Institute of Science CITY, Rehovot, Israel) *Regulation of Suberin Polyester Biosynthesis: From Russeting Apples to Tomato Seed Coats*
- 15h15-15h40 **Giovanni Giuliano** (ENEA, Rome, Italy) *The eggplant genome reveals key events in Solanaceae evolution*
- 15h40-16h05 **Elie Masa** (INRA-INP, Toulouse, France) *TomExpress17b: the last version of the tomato transcriptomic platform*
- 16h05-16h20 **June Shin** ESR (INRA-INP, Toulouse, France) *New insight on the regulation of fruit ripening: the link between auxin signaling and RIN developmental factor*
- 17h40-19h00** (attendance restricted to Management Committee Members)
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