

**PROGRAM (Greek time/Central European Time)****DAY1 – MONDAY 18<sup>th</sup> OCTOBER**

<b>9:00-9:30</b> <i>7:00-7:30</i>	<b>Registration</b>
<b>9:30-10:00</b> <i>7:30-08:00</i>	<b>Welcome and Introduction to the COST Action CA18210</b> J. Pirrello / P. Kalaitzis
	<b>Chair: Julien Pirrello</b>
<b>10:00-10:15</b> <i>8:00-8:15</i>	<b>Belgium – Bart Nicolaï (online)</b> Gas transport and hypoxia in fleshy fruit during postharvest storage
<b>10:15-10:30</b> <i>8:15–8:30</i>	<b>Greece – Panagiotis Kalaitzis (Face-to-Face)</b> The role of prolyl 4 hydroxylases in fruit growth and ripening and hypoxic response in Tomato and Arabidopsis
<b>10:30-10:45</b> <i>8:30-8:45</i>	<b>Bulgaria - Gabor Zsivanovits (online)</b> Permeability parameters of polysaccharide edible films loaded with plant oils
<b>10:45-11:15</b> <i>8:45-9:15</i>	<b>Coffee Break</b>
	<b>Chair: Panagiotis Kalaitzis</b>
<b>11:15-11:30</b> <i>9:15–9:30</i>	<b>Croatia - Marko Vinceković (online)</b> Stimulation of plant secondary metabolites synthesis in cultivated strawberries by using the application of microcapsules formulations.
<b>11:30-11:45</b> <i>9:30-9:45</i>	<b>Czech Republic - Helene Robert Boisivon (face-to-face)</b> CZ-INTERCOST project: the development of hairy root cultures in crops to optimize CRISPR-based mutagenesis and other molecular biology protocols.
<b>11:45-12:00</b> <i>9:45-10:00</i>	<b>Estonia – Ulvi Moor (face-to-face)</b> Controlled atmosphere storage of apples – situation in Nordic and Baltic countries
<b>12:00-12:15</b> <i>10:00-10:15</i>	<b>France – Julien Pirrello (face-to-face)</b> Tomato ERF.E show contrasted effect on ripening
<b>12:15-13:45</b> <i>10:15-11:45</i>	<b>Lunch</b>
	<b>Chair: Danijela Misic</b>
<b>13:45-14:00</b> <i>11:45-12:00</i>	<b>Greece – Dimitris Kaloudas (face-to-face)</b> Silencing and over-expression of prolyl 4 hydroxylase 3 affects AGPs and extensins content and fruit size
<b>14:00-14:15</b> <i>12:00-12:15</i>	<b>Israel - Haya Friedman (face-to-face)</b> Detection of mitochondrial abnormality in apple cultivar with low storage capacity
<b>14:15-14:30</b> <i>12:15-12:30</i>	<b>Spain - Sonia Osorio (online)</b> Unraveling metabolic variation for postharvest practices in strawberry fruit
<b>14:30-14:45</b> <i>12:30-12:45</i>	<b>Bosnia and Herzegovina – Biljana Kukavica (face-to-face)</b> Antioxidant metabolism of maize leaves in conditions of short-term hypoxia.
<b>14:45-15:00</b> <i>12:45-13:00</i>	<b>Cyprus - George Manganaris (online)</b> Defining fruit quality and postharvest management protocols of commercially important crops with distinct storage potential: the case of peach and kiwifruit
<b>15:00-15:15</b> <i>13:00-13:15</i>	<b>Montenegro - Ana Velimirovic (online)</b> Biotechnical Faculty - education and research
<b>15:15-15:30</b> <i>13:15 – 13:30</i>	<b>Norway - Jorunn Børve (online)</b> Postharvest research for Norwegian apple industry
<b>15:30-16:00</b> <i>13:30 - 14:00</i>	<b>Coffee Break</b>
	<b>Chair: Helene Robert Boisivon</b>
<b>16:00-16:15</b> <i>14:00-14:15</i>	<b>Poland - Agata Leszczuk (online)</b> Specific features of arabinogalactan proteins (AGPs) during fruit ripening process

<b>16:15-16:30</b> 14:15-14:30	<b>Portugal - Ana Margarida Fortes (face-to-face)</b> Functional analysis of <i>SIGRAS9</i> and <i>SIGRAS10</i> in tomato fruit ripening
<b>16:30-16:45</b> 14:30-14:45	<b>Serbia - Danijela Misic (face-to-face)</b> RoxyCOST activities in Serbia during GP1 and GP2
<b>16:45-17:00</b> 14:45-15:00	<b>Turkey - Mustafa ERKAN (face-to-face)</b> Effect of low O <sub>2</sub> storage on postharvest quality of different types of tomatoes
<b>17:00-17:15</b> 15:00-15:15	<b>Italy - Pietro Tonutti (face-to-face)</b> Physiological and molecular responses of apples stored under extreme oxygen concentrations

## DAY2 - TUESDAY 19<sup>th</sup> OCTOBER

	<b>Chair: Mondher Bouzayen</b>
<b>9:30-9:55</b> 7:30-7:55	<b>P. Perata (Face-to-face)</b> The many facets of hypoxia in plants
<b>9:55 – 10:20</b> 7:55 - 8:20	<b>Sjon Hartman (Face-to-face)</b> A Tale of Three Gases: Ethylene, O <sub>2</sub> and NO coordinate Flooding Stress Responses
<b>10:20-10:45</b> 8:20-8:45	<b>Joost Van Dongen (Online)</b> Adaptive metabolic responses of plants to low-oxygen conditions
<b>10:45-11:00</b> 8:45-9:00	<b>Slovenia – Rajko Vidrih (face-to-face)</b> Fruit postharvest research activities in Slovenia
<b>11:00–11: 20</b> 9:00–9:20	<b>Coffee Break</b>
<b>11:20-11:30</b> 9:20-9:30	Welcome and introduction of the ECI (Sjon, Bram, Marija)
	<b>Chair: Bram van de Poel</b>
<b>11:30-11:45</b> 9:30-9:45	<b>Marija Vidovic (face-to-face)</b> Metabolites in tomato fruit exposed to different UV radiation
<b>11:45-12:00</b> 9:45-10:00	<b>Ximena Chirinos Herrera (face-to-face)</b> Exogenous auxin alters hormonal transcriptomic homeostasis during tomato ripening
<b>12:00-12:15</b> 10:00-10:15	<b>Anton Shiriaev (face-to-face)</b> Se enriched tomato fruit: improved physiological properties and increased nutraceutical value.
<b>12:15-12:30</b> 10:15-10:30	<b>Suzane Pols (face-to-face)</b> Understanding Low Oxygen Stress in Apple Fruit During Postharvest Storage
<b>12:30-12:45</b> 10:30-10:45	<b>John Vaughan-Hirsch (face-to-face)</b> Hypoxia induced regulation of ethylene biosynthesis in Arabidopsis
<b>12:45-13:00</b> 10:45-11:00	<b>Anna Konkina (Face-to-face)</b> An Arabidopsis prolyl 4 hydroxylase is involved in hypoxic response
<b>13:00-14:15</b> 11:00-12:15	<b>Lunch</b>
	<b>Chair: Sjon Hartman</b>
<b>14:15-14:30</b> 12:15-12:30	<b>Milica Milutinović (face-to-face)</b> Effect of prolonged root hypoxia on the antioxidant system of <i>Solanum dulcamara</i> L. fruits
<b>14:30-14:45</b> 12:30-12:45	<b>Đura Nakarada (face-to-face)</b> Liposomes encapsulating grape skin extracts as potent free radical scavengers – an EPR study
<b>14:45-15:00</b> 12:45-13:00	<b>Geldhof Batist (face-to-face)</b> A genome-wide analysis of root hypoxia induced leaf epinasty diversity in tomato
<b>15:00-15:15</b> 13:00-13:15	<b>Rory Osborne (face-to-face)</b> Determining O <sub>2</sub> dependent H3K27me <sub>3</sub> gene targets of the PRC2 subunit VRN2

<b>15:15-16:45</b> <i>13:15-14:45</i>	<b>Mary Williams (Features Editor of The Plant Cell &amp; Plant Physiology) (face-to-face)</b> How to write effectively, prepare your manuscript for submission, and navigate the peer review process
<b>16:45-17:15</b> <i>14:45-15:15</i>	<b>Coffee break</b>
<b>17:15-18:45</b> <i>15:15-16:45</i>	<b>Panel discussion with junior PI's at different stages of their academic career and the ECI members</b>
<b>20:00</b>	<b>Gala diner</b>

### DAY3 - WEDNESDAY 20<sup>th</sup> OCTOBER

	<b>Chair: Pierdomenico Perata</b>				
<b>9:30-9:55</b> <i>7:30-7:55</i>	<b>Georgios Simos (online)</b> Hypoxia in human health and disease: metabolic role, regulation and targeting of the hypoxia-inducible transcription factor HIF-1				
<b>9:55-10:20</b> <i>7:55-8:20</i>	<b>Asaph Aharoni (Face-to-face)</b> How do microRNAs Paint Eggplant Fruit?				
<b>10:20-10:45</b> <i>8:20-8:45</i>	<b>Gianfranco Diretto (Face-to-face)</b> Metabolic engineering- and microbiome-based manipulation of tomato fruit quality				
<b>10:45-11:10</b> <i>8:45 – 9:10</i>	<b>Paul Fraser (Online)</b> Post-harvest carotenoid degradation and the involvement of reactive oxygen species				
<b>11:10-11:40</b> <i>9:10-9:40</i>	<b>Coffee Break</b>				
	<b>Chair: Asaph Aharoni</b>				
<b>11:40-12:05</b> <i>09:40-10:05</i>	<b>Bram van de Poel (Face-to-Face)</b> Ontogenic responses of tomato ethylene biosynthesis upon root hypoxia stress				
<b>12:05-12:30</b> <i>10:05-10:30</i>	<b>Mondher Bouzayen (Face-to-Face)</b> Fruit softening is determined at the ripening stage : is it a firm statement?				
<b>12:30-12:55</b> <i>10:30-10:55</i>	<b>Andrea Schubert (Face-to-face)</b> Strigolactone cross-talk in plant development and reproduction				
<b>12:55-14:30</b> <i>10:55-12:30</i>	<b>Lunch</b>				
<b>14:30-15:30</b> <i>12:30-13:30</i>	<b>Working Group parallel sessions</b>				
	<b>ROOM1</b> Working Group 1: Data management and dissemination	<b>ROOM2</b> Working Group 2: Deciphering the mechanisms of low oxygen sensing in fruit crops	<b>ROOM3</b> Working Group 3: Impact of low oxygen, ROS and NO on fruit productivity and quality	<b>ROOM4</b> Working Group 4: Data integration and systems analysis of role of hypoxia and ROS signalling	<b>ROOM5</b> Working Group 5: Applications and developments in postharvest
<b>15:30-16:30</b> <i>13:30-14:30</i>	<b>Working Group restitution and general discussion</b>				
<b>16:30-17:00</b> <i>14:30-15:00</i>	<b>Coffee Break</b>				
<b>17:00-18:30</b> <i>15:00-16:30</i>	<b>Meeting of the Management Committee CA18210 – only for MC members</b>				