

Date	April 15 th -17 th , 2015
Site	Hotel Parco dei Principi, Sorrento (Italy)

Wednesday, April 15th 2014

10:00-13:00	Registration and poster setup	
14:00-14:30	A. Leone H. Warzecha P. Fraser	Opening and Welcome COST ACTION PlantEngine Background and achievements
	<u>Session I</u> - Capturing secrets from nature Chairpersons: P.Fraser, G. Diretto	
14:30-15:15	<u>Key-note lecture</u> Gerhard Sandmann , J.W. Goethe Universität, Frankfurt <i>Carotenoid biosynthesis B.C. and A.C. and genetic pathway engineering for optimization of carotenoid yields</i>	
15:15-15:35	Marilise Nogueira, UK <i>Subchromoplast sequestration of carotenoids affects regulatory mechanisms in tomato lines expressing different carotenoid gene combinations</i>	
15:35-15:55	Oren Tzfadia, BE/IL <i>Development of an automated gene discovery framework to highlight pivotal plant metabolic and genomic features</i>	
15:55-16:00	Coffee break and posters	
16:30-16:50	Sarah Frusciante, IT <i>Biochemical characterization of novel CCDs from saffron</i>	
16:50-17:10	Jennifer Munkert, DE <i>Iridoid synthase activity is common among the plant progesterone 5β-reductase family</i>	
17:10-17:55	<u>Key-note lecture</u> Ann Osbourn , John Innes Centre, UK <i>Making new molecules</i>	
18:00-19:30	Poster session	
19:30	Welcome Buffet	

Thursday, April 16th 2014

09:00	<u>Session II</u> Filling gaps in plant secondary metabolism and metabolic engineering Chairpersons: M. Pedreño, O. Tsfadia	
09:00-09:45	<u>Key-note lecture</u> Kazufumi Yazaki , Research Institute of Sustainable Humanosphere, Kyoto University, Japan <i>Discovery of aromatic prenyltransferase gene family and its application to metabolic engineering</i>	
9:45-10:05	Sander van der Krol, NL <i>Enhanced sequestering of sesquiterpenes by coexpression of pathway genes with ABC-transporter and LTP genes in <i>Nicotiana benthamiana</i></i>	

10:05-10:25	Mariana Sottomayor, PO <i>A molecular toolbox to engineer the metabolic flux of the anticancer alkaloids from Catharanthus roseus</i>
10:25-11:00	Coffee break and posters
	<u>Session II</u> cont Filling gaps in plant secondary metabolism and metabolic engineering Chairpersons: A. Kanellis, L. Almagro
11:00-11:20	Richard Espley, NZ <i>Multiple copies of a simple MYB-binding site confer trans-regulation by flavonoid-related R2R3 MYBs</i>
11:20-11:40	Jacob Polier, BE <i>Plant roots as a perfume? Overexpression of a MYB transcription factor leads to methyl anthranilate emission in M. truncatula hairy roots</i>
11:40-12:00	Antonella Leone, IT <i>Driving metabolic flux towards high content of abietane-type diterpenes in Salvia sclarea hairy roots</i>
12:00-12:20	Turgay Unver, TR <i>Transcriptomics and metabolomics approaches towards better understanding of BIA biosynthesis in opium poppy</i>
12:20-12:40	Karla Ramírez-Estrada, ES <i>Transcript profiling of jasmonate-elicited Taxus cells to identify new genes involved in taxane biosynthesis: a new gene encoding a b-phenylalanine-CoA ligase.</i>
12:40-13:00	Manuela Rigano, IT <i>Detection of wild alleles to engineer ascorbic acid metabolic pathway in tomato</i>
13:00-14:00	Lunch
14:00-18:00	<u>Session II</u> cont Filling gaps in plant secondary metabolism and metabolic engineering Chairpersons: Efraim Lewinsohn, M. Nogueira
14:00-14:20	Teemu H. Teeri, FI <i>Polyketide synthases responsible for 4-hydroxy-5-methylcoumarin biosynthesis in gerbera</i>
14:20-14:40	Heiko Rischer, FI <i>Type III polyketide synthases from poison hemlock</i>
14:40-15:00	Daniele Werck-Reichhart, FR <i>Monoterpenol oxidative metabolism for the biosynthesis of bioactive compound</i>
15:00-15:20	Elisa Biazzi, IT <i>TILLING analysis of a Medicago truncatula mutant collection for identification of CYP450s involved in triterpene saponin biosynthesis</i>
15:20-16:00	Coffee break and posters
	<u>Session III</u> Toward Industrial application of plant secondary metabolites Chairpersons: H. Bouwmeester, M. Rigano
16:00-16:45	<u>Key-note lecture</u> Victor Klimyuk, ICON Genetics, DE <i>Production of immunoglobulins in plants- challenges and solutions</i>
16:45-17:05	Carmen Socaciu, RO <i>Ketocarotenoid-rich tomato powders incorporated into natural-matrix microspheres: stability and controlled release for fish feeding and biomedical applications</i>
17:05-17:25	Kirsi M. Oksman-Caldentey, FI <i>Betulins as novel lead compounds for cancer</i>
17:25-17:45	Lorena Almagro, ES <i>Diadenosine triphosphate is a novel factor which synergistically with</i>

	<i>cyclodextrins enhances the biosynthesis of trans-resveratrol in suspension cultured cells of Vitis vinifera cv Monastrell</i>
17:45-18:05	Ester Novo-Urzal, ES <i>Effect of the mycotoxin ophiobolin A on cell proliferation, cell viability and redox state on tobacco Bright Yellow-2 cells</i>
18:05-18:25	F. Apone, Arterra Bioscience, IT <i>Plant tissue cultures as tools for the production of bioactive ingredients with cosmetic applications.</i>
20:00	Dinner (outside)

Friday, April 17th 2014	
	<u>Session V</u> Future aspects and perspectives
	Chairpersons: L. Wessjohann, M. Sottomayor
	Presentation of ongoing collaborative projects
09:00-09:30	EU representative (to be confirmed)
09:30-09:45	Sören Bak, DK TRIFORK (to be confirmed)
09:45-10:00	Paul Fraser, UK DISCO
10:00-10:20	Joseph Hirschberg, IL <i>Transgenic vs non-transgenic metabolic engineering of carotenoids in tomato</i>
10:20-10:40	Giovanni Giuliano, IT SAFFRONOMICS
10:40-11:00	Alain Tissier, DE - ERA-CAPS <i>A library of TALE-activated synthetic promoters: application for metabolic engineering in plants</i>
11:00-11:30	Coffee break and posters
11:30-12:00	<u>Key-note lecture</u> Julian Ma, St. George's University of London, London, UK <i>Plant made recombinant pharmaceuticals - where is the field?</i>
12:00-12:20	Martha Vazquez, ES <i>Refinement of the standards for Genetic Design in Plant Synthetic Biology using the GoldenBraid format</i>
12:20-12:40	Heribert Warzecha, DE <i>Application of modular cloning for molecular pharming and plant metabolic engineering</i>
12:40-13:00	Heribert Warzecha, DE Final remarks
13:00	Meeting end
	Only for MC Members
14:00-15:30	Final MC Meeting
15:30-17:00	Reporting and Evaluation