

# PLONT UP

## Workshop program of the Research Infrastructure (RI) «Upgrading the Plant Capital - PlantUP»

Final Workshop  
Friday, 29 October 2021

### 09:00 - 09:30 Introduction-Presentation of PlantUp Research Infrastructure

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*Prof. Leandros Skaltsounis (Chair)*

*Prof. Maria Halabalaki*

*Prof. Fotini Lamari*

*Prof. Andreanna Assimopoulou (online)*

### 09:30 - 10:30 Lectures (Chair Prof. Leandros Skaltsounis)

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**09:30 - 10:00** "Dihydrochalcones - From Familiar Compounds to Novel Activities"

*Prof. Hermann Stuppner*

**10:00 - 10:30** "Why we should consider gut microbiota for explaining the activity of herbal medicine"

*Prof. Rudolf Bauer*

### 10:30 - 11:00 Coffee break

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### 11:00 - 13:00 Short lectures (Chair Prof. Rudolf Bauer, Prof. Maria Halabalaki)

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"NMR-based metabolic profiling towards the identification of quality markers in food commodities",  
*Dr. Stavros Beteinakis (online)*

"A metabolomics approach for the administration of Chios mastic gum in NAFLD/NASH patients",  
*Elena Mikropoulou, MSc (online)*

"New perspectives of natural products as cosmeceuticals",  
*Efstathia Thoma, MSc*

"LC-HRMS based chemical characterization of Santorini tomato and fava processing by-products",  
*Dr. Konstantina Vougiannopoulou*

"Grape leaf extracts reduce the secretion of molecular markers of inflammation by epithelial cells and fibroblast",  
*Dr. Ivi Antoniadou*

"Mining the potential of endophytes as the next generation plant protection products",  
*Evina Papadopoulou, MSc*

"Mapping of Greek Extra Virgin Olive oil. Determination of bioactive compounds in olive oil",  
*Iro Kokkinou, MSc*

“Olive leaves and branches as sources of valuable bioactive compounds. Comparative studies on phenolic composition and antioxidant activity of olive leaves and branches”, *Christina Koutra*

“Production and chemical characterization of bioactive enriched extracts from by-products derived from the pomace oil and refined oil production line”, *Vasilis Siderakis*

“Oxone derived semisynthesis of new Oleocanthal and Oleacein analogues and the evaluation of their antioxidant and antigenotoxic potential”, *Lemonia Antoniadis, MSc*

“Isolation and identification of urine metabolites after hydroxytyrosol supplementation in humans”, *Vagelis Kalampokis, MSc*

“Comparative study of the cardioprotective effect exerted by bioactive olive-derived compounds on ischemia-reperfusion injury in mice with metabolic syndrome”, *Andriana Christodoulou, MSc*

“Development and application of analytical methods for the determination of triterpenic acids in Chios Mastic Gum, commercial products and fecal human samples”, *Despoina Svigou*

“Phytochemical investigation of the extracts and isolated compounds of *Pistacia lentiscus* L. var. *Chia* leaves and NMR-based metabolite profiling approach”, *Christodoulos Anagnostou, MSc*

“Amino Acids determination in human plasma via triple-TOF and Data Independent Acquisition”, *Varvara Papaioannou, MSc*

“Targeting Aging with Natural Compounds: the Drosophila approach”, *Dr. Sentiljana Gumeni*

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### 13:00 - 14:30 Lunch break

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### 14:30 - 16:10 Lectures (Chair Prof. *Jean-Hugues Renault*, Prof. *Wirginia Kukula-Koch*)

14:30 - 15:00 “Amaryllidaceae alkaloids and their derivatives as inspiration for medicinal chemistry”  
*Prof. Lucie Cahliková*

15:00 - 15:30 “Ways to confidently annotate natural products through a contextualized metabolomic approach”  
*Prof. Jean-Luc Wolfender (online)*

15:30 - 15:50 “Streptomyces, Greek habitats and novel pharmaceuticals: a promising challenge”  
*Dr. Paris Laskaris*

15:50 - 16:10 “Metabolomics meets plant protection”  
*Prof. Konstantinos A. Aliferis*

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### 16:10 - 16:30 Coffee break

**16:30 - 18:30 Lectures (Chair Prof. Hermann Stuppner)**

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**16:30 - 17:00** “About some unconventional uses of CPC”

*Prof. Jean-Hugues Renault*

**17:00 - 17:20** “Modern analytical techniques in the search for active components from plant extracts”

*Prof. Wirginia Kukula-Koch*

**17:20 - 18:30 Centrifugal Partition Chromatography Workshop**

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“Strategy and Key points for an efficient CPC analysis”

*Prof. Jean-Hugues Renault, Prof. Wirginia Kukula-Koch, Dr. Apostolis Angelis*