Evora, 25-27 June 2025

Organizers

Local
Main organizer:
Eduardo Nuno **Barata (Univ of Evora)**

Meeting's Assistants:

Carolina Maria	**Popa**
Mariana Rosado	**Barão**

Core Group:

Conxita	**Avila**
Anne-Geneviève	**Bagnères-Urbany**
Thomas	**Blankers**
Sylvie	**Baudino**
Aurelie	**Cartereau**
Levent	**Cavas**
Stefano	**Colazza**
David	**Giron**
Júlia Katalin	**Jósvai**
Julie	**Maguire**
Maria	**Pappas**
Soizic	**Prado**
Christelle	**Robert (Absent)**
Giovanna	**Romano**
Pavel	**Stopka**
François	**Verheggen**

Find the list of participants page 65-66

Overview of the program

Wednesday 25th of June
9:00-10:30 MC meeting
10:30-11:00 coffee break
11:00-12:30 continued MC meeting
12:30-13:30 lunch break for MC+CG
13:30-14:00 welcome to all participants
14:00 -15:00 presentation from the CG to all participants
15:00-16:30 SME's session
16:30-19:00 long coffee/drink break: poster session
19:00 - Evening free

Thursday 26th of June
9:00-10:30 YRI's session
10:30-11:00 coffee break
11:00-12:30 round table of the YRI's session on smaller committee
11:00-12:30 parallel session with discussion with WG leaders on papers and on other activities.
12:30-14 lunch break
14:00-16:00 WG2 workshop on "Communication systems in invasive species"
16:00-16:30 coffee break
16:30-18:00 talks
18:00-19:00 WG discussion on papers (in parallel sessions)
19:30 banquet on site (voluntary joint dinner with previous registration (closed) and individual payment to Evora University)

Friday 27th morning
9:00-10:30 talks
10:30-11:00 coffee break
11:00-12:15 talks
12:30-14:00 lunch break
14:00-15:15 talks
15:15-16:00 coffee break
16:00-16:30 concluding remarks

MC: Management Committee; CG: Core Group; SMEs: Small and Medium Enterprises; YRIs: Young Researchers and Innovators; WG: Working Group.

Program

Wednesday 25th June

9h00 - 10h30	**Management Committee – Core Group Meeting: with presentation from the CG (WG leaders, representatives, GH manager) (40 people)**
10h30 - 11h00	**Coffee Break**
11h00 - 12h30	**Management Committee – Core Group Meeting (continued)**
12h30 - 13h30	**Lunch break (only MC & CG – 40p)**
13h30 - 14h00	**Welcome to participants – Badge distribution**
14h00 - 15h00	**Core Group presentation**
15h00 - 16h30	**Small and Medium Enterprises' session:** **See program page 9 (6 talks)** **Abstracts from page 11**
16h30 - 19h00	**Coffee and Drinks - Poster session** **Posters numbering page 49-50** **See Posters abstracts page 51**
19h00 - …	**Free Evening**

Program

Thursday 26th June

9h00 - 10h30	**Young and Innovators Researchers' session** **See program page 14 -16** **Abstracts page 17** **Group 1 to 3 (12 YRIs)**
10h30 - 11h00	**Coffee break**
11h00 – 11h30	**YRIs' session Group 4 (7 YRIs)**
11h30 – 12h30	**❖ Round table organized by YRIs (small committee)**
11h30 - 12h30	**❖ Parallel session: discussion with WG leaders on publications and activities**
12h30 - 14h00	**Lunch break**
14h00 - 16h00	**WG2 workshop on "Communication systems in invasive species" (7 talks)** **See program page 26&27** **Abstracts page 28**
16h00 - 16h30	**Coffee break**
16h30 - 18h00	**General talks – Nb 1** **See program page 32** **Abstracts page 33**
18h00 – 19:00	**❖ Working groups discussion in two parallel sessions**
19:30 -	**Banquet (for registrants only) 49p**

❖ **Parallel sessions are in the amphitheater and room 124**

Program

Friday 27th June

9h00 - 10h30	**General talks – Nb 2** **See program page 36** **Abstracts page 37**
10h30 - 11h00	**Coffee break**
11h00 – 12h15	**General talks – Nb 3** **See program page 40** **Abstracts page 41**
12h30 - 14h00	**Lunch break**
14h00 - 15h15	**General talks – Nb 4** **See program page 44** **Abstracts page 45**
15h15 - 16h00	**Coffee break**
16h00 - 16h30	**Concluding remarks – "Au revoir"**

ORAL

COMMUNICATIONS

YOUNG RESEARCHERS & INNOVATORS (YRIs) SESSION

Organizer: Julia JOSVAI (YRI representative)

Subgroup organizers:

1 / Aquatic - Freshwater: **Güllü Kaymak**

2/ Aquatic - Marine: **Victoria Moris**

3/ Terrestrial – Plant: **Kaia Kask**

4/ Terrestrial – Animal: **Laura Bellec**

YRI session Program

(26th morning)

9:00 – 9:05 Introduction

9:05-9:15: Future Careers in Chemical Ecology Survey
- **Thomas Blankers**, Christelle Robert, François Verheggen

9:15 – 10:30 YRIs' presentation by subgroup (3 minutes each YRI and 10 min per group presentation) = group 1 to 3

10:30 -11:00 Coffee break

11:00 – 11:30: YRIs' presentation by subgroup (3 minutes each YRI and 10 min group presentation) = group 4

11:30 – 12:30: Round table of YRIs in parallel session (small committee)

Subgroup name	YRI
Aquatic - Freshwater	Güllü Kaymak
Aquatic - Freshwater	Faysal-Al Mamun
Aquatic - Freshwater	Hasmik Khachatryan
Aquatic - Freshwater	Thacilla Ingrid De Menezes
Aquatic - Freshwater	***GROUP 1 presentation***
Aquatic - Marine	Victoria Moris
Aquatic - Marine	Guy Schleyer
Aquatic - Marine	Andrea Prófumo
Aquatic - Marine	Miguel Rodrigues
Aquatic - Marine	Christina C. Roggatz
Aquatic - Marine	Mayara Roncaglia dos Santos
Aquatic - Marine	***GROUP2 presentation***
Terrestrial - Plants	Kaia Kask (no talk)
Terrestrial - Plants	Dorian Rossi
Terrestrial - Plants	Milica Radan
Terrestrial - Plants	***GROUP 3 presentation***
Terrestrial - Animal	Bellec Laura
Terrestrial - Animal	Alberto Maria Cattaneo
Terrestrial - Plants	Eleni Koutsogeorgiou
Terrestrial - Animal	Julia Jósvai
Terrestrial - Animal	Magdolna Szelényi
Terrestrial - Animal	Maryse Vanderplanck
Terrestrial - Animal	Thomas Blankers
Terrestrial - Animal	***GROUP 4 presentation***

DOS SANTOS, M. R.[1,3], *MENEZES, T.* [1], *SANTOS, H. A*[2,3], *PEREIRA, C. M.*[1]
[1] *Chemistry Research Centre (CIQUP) and Institute of Molecular Sciences (IMS), Department of Chemistry and Biochemistry, Faculty of Sciences of University of Porto, Porto, Portugal*
[2] *Drug Research Program, Division of Pharmaceutical Chemistry and Technology, Faculty of Pharmacy, University of Helsinki, FI-00014 Helsinki, Finland*
[3] *University Medical Center Groningen, University of Groningen, Groningen, The Netherlands*

NANOSTRUCTURED LIPID CARRIERS AS AN ALTERNATIVE SYSTEM FOR CONTROLLED DRUG DELIVERY AND MYOCARDIAL INFARCTION TREATMENT

Cardiovascular diseases (CVDs) are the leading cause of death and disability globally, underscoring the need for innovative therapeutic solutions. Nanostructured lipid carriers (NLCs), combining solid and liquid lipids, offer advantages such as enhanced drug loading and controlled release. The aim was to enhance DDS performance and stability by strategically optimizing key formulation parameters, such as liquid lipid, solid lipid solubility and surfactant selection to achieve stable and monodisperse particle formation, leading to significant advancements in the overall efficacy of the systems. Among the tested lipids, tuna oil exhibited drug solubility (2.8 mg/mL), with Imwitor® 742 showing higher solubility (12.5 mg/mL). Precirol® ATO5 was identified as the optimal solid lipid, while PEG MW 1000 and soy lecithin had optimal surfactant properties. The CRV-NLC final formulation achieved a particle size of 121.1 nm, polydispersity index of 0.218, and zeta potential of -30.2mV.

RADAN, M. [1], *STASIŁOWICZ-KRZEMIEŃ, A.* [2], *CIELECKA-PIONTEK, J.* [2], *ŠAVIKIN, K.* [1]
[1]*Institute for Medicinal Plants Research "Dr. Josif Pančić", Tadeuša Košćuška 1, 11000, Belgrade, Serbia*
[2]*Dpt of Pharmacognosy and Biomaterials, Fac. Pharmacy, Poznan Univ. of Medical Sciences, Poznan, Poland*

DEVELOPMENT OF ANTHOCYANIN-LOADED ELECTROSPUN NANOFIBERS: NEW HORIZON FOR THE VALORIZATION OF CHOKEBERRY FRUIT WASTE

Recovering bioactive components from the chokeberry waste in the fruit-processing industry has attracted great attention in terms of minimizing the waste burden and providing a new source of valuable functional compounds. To develop new functional nanomaterials, ultrasound-assisted extraction was combined with electrospinning technology. The optimal conditions for maximizing the extraction of individual and total compounds were 45% ethanol concentration at 60 °C. By varying ratio of PVP, HP-β-CD, and HP-γ-CD four electrospun nanofibers loaded with the chokeberry waste extract were prepared. They were characterized with notable concentrations of cyanidin galactoside, glucoside, and arabinoside derivatives, and strong antioxidant potential. The FT-IR analysis confirmed conjugation between the carriers and bioactives, while the PAMPA assay suggested that anthocyanins likely cross the stomach cell membranes via active transport. Converting food waste into specifically tailored formulation holds a great potential to contribute to the consumers' nutrient and health benefits, while creating opportunities for integration into new value-added products.