

# STARGATE Workshop 5

## Practical solutions for reducing waste/ valorisation strategies: functional phenotyping towards a circular economy



Comendador Arménio Miranda Auditorium, Faculty of Biotechnology, Portuguese Catholic University



January 30<sup>th</sup>, 2024



9:00h – 17:00h

### AGENDA



Register [here!](#)

#### 9:00-9:15h | [REGISTRATION](#)

9:15-9:30h | Welcome Session **DR. MANUELA PINTADO**, Director of Center of Biotechnology and Fine Chemistry (CBQF-UCP) in Porto, Portugal.

#### 9:30-10:40h: **Session 1**

- Potential of phenotyping technologies in the development of an inclusive and circular economy - **DRA. MANUELA PINTADO, Director of CBQF-UCP**
- **CARMO MARTINS, Secretary-General at National Horticultural Operational and Technological Centre (COTHN), Alcobaça, Portugal**
- Challenges of UAV-based multispectral sensing for determining the nutrient status of vineyards - **LOUIS DANIELS, PhD Student, Ghent University, Belgium**

#### 10:40-11:00h: [COFFEE BREAK](#)

#### 11:00-12:00h: **Session 2**

- Identification of Tolerant Pea Genotypes to Drought Stress by High-Throughput Phenotyping - **MARYAM BAGHERI, PhD student at CBQF-UCP**
- High-throughput phenotyping of 13 tomato genotypes for water and nitrogen use efficiency - **ANA FERNANDES, PhD student at CBQF - UCP**



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[www.stargate-hub.eu](http://www.stargate-hub.eu)



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This Project received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 952330.

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### AGENDA (cont.)

- FieldOmics: Concept of a Smart Sensor for Grapes maturation - **GONÇALO GUEDES, Researcher at CBQF- UCP**

**12:00-14:00h: LUNCH**

**14:00- 15:45h: Session 3**

- Postharvest phenotyping technology for prevention of food loss and waste - **DR. ERNST WOLTERING, Wageningen University & Research (WUR), Netherlands**
- Sustainable innovative strategies for ensuring Rocha pear controlled ripening after 1-MCP application - **CINDY DIAS, PhD student at CBQF-UCP**
- Non-nutritional factors in legumes: Shaping Functional Diversity in Soil and Gut Microbes for Circular Economy in Agro-Ecosystems - **RAFAEL DUARTE, PhD student at CBQF-UCP**
- Assessing the potential of orange side-streams: a multi-component extraction approach to developing upcycled food ingredients - **Ana Vilas Boas, PhD student at CBQF-UCP**

**15:45-16:05h: COFFEE BREAK**

**16:05- 16:45h: Round Table** (Audience Q&A)

**16:45- 17:00h:** Closing session

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