



I International Workshop on Biotechnology for Applied Life Science – BALS2024

Universidad de Granada
Facultad de Ciencias
June, 7th 2024

Campus de Fuentenueva s/n
18071 – Granada (Spain)

Organizing Institutions

Universidad de Granada, Granada (Spain)

Università degli Studi del Piemonte Orientale “Amedeo Avogadro”, Vercelli (Italy)

Organizing Committee

Mattia Bramini, Dept. of Cell Biology, Universidad de Granada (Spain)

Paola Sánchez Moreno, Dept. of Applied Physics, Universidad de Granada (Spain)

Francesca Oltolina, Dept. of Health Sciences, Università degli Studi del Piemonte Orientale (Italy)

Stefano Espinoza, Dept. of Health Sciences, Università degli Studi del Piemonte Orientale (Italy)

Scientific Committee

Mattia Bramini, Dept. of Cell Biology, Universidad de Granada (Spain)

Paola Sánchez Moreno, Dept. of Applied Physics, Universidad de Granada (Spain)

Francesca Oltolina, Dept. of Health Sciences, Università degli Studi del Piemonte Orientale (Italy)

Stefano Espinoza, Dept. of Health Sciences, Università degli Studi del Piemonte Orientale (Italy)

Verónica Ayllón Casares, Dept. of Cell Biology, Universidad de Granada (Spain)

Gema Jiménez González, Dept. of Health Sciences, Universidad de Jaén (Spain)

Francesca Boccafoschi, Dept. of Health Sciences, Università degli Studi del Piemonte Orientale (Italy)

Diego Cotella, Dept. of Health Sciences, Università degli Studi del Piemonte Orientale (Italy)

M. Rosario Sepúlveda, Dept. of Cell Biology, Universidad de Granada (Spain)

PROGRAM

- 9:00 – 9:30** **Opening Ceremony (Salón de Grados, Facultad de Ciencias)**
- 9:30 – 10:00** **Francesca Boccafoschi** (Università degli Studi del Piemonte Orientale – Italy), *Innovative materials derived from decellularized tissues: new frontiers in regenerative medicine.*
- 10:00 – 10:30** **Mattia Bramini** (Universidad de Granada – Spain), *Neuro-nanotechnology: innovative nanomedicine applications for neurological disorders.*
- 10:30 – 11:00** **Francisco J. López** (IESMAT, Madrid – Spain), *DLS, NTA and FFF applications for biomaterials characterization.*

Coffee Break - Poster Session (Hall Facultad de Ciencias)
IESMAT Practical Demonstration of DLS and NTA
DICSA Optical Microscopy Practical Demonstration

- 12:00 – 12:30** **Francesca Oltolina** (Università degli Studi del Piemonte Orientale – Italy), *Different application of nanoparticles: from cancer therapy to regenerative medicine.*
- 12:30 – 13:00** **Verónica Ayllón Cases** (Universidad de Granada – Spain), *New advancements for producing effective CAR-T cells against solid tumour.*
- 13:00 – 13:30** **Stefano Espinoza** (Università degli Studi del Piemonte Orientale – Italy), *RNA therapeutics for neurological disorders.*

Lunch & Poster Session (Hall Facultad de Ciencias)

- 15:00 – 15:30** **Diego Cotella** (Università degli Studi del Piemonte Orientale – Italy), *Bacteriophages for regenerative medicine.*
- 15:30 – 16:00** **Gema Jiménez Gonzalez** (Universidad de Jaén – Spain), *Sculpting tissue: exploring breakthroughs in 3D bioprinting and bioinks.*
- 16:00 – 16:30** **Balbino Yagüe Jimenez** (CIC - Universidad de Granada – Spain), *Preclinical nuclear magnetic resonance, imaging and spectroscopy.*

Coffee Break - Poster Session (Hall Facultad de Ciencias)
IESMAT Practical Demonstration of DLS and NTA
DICSA Optical Microscopy Practical Demonstration

- 17:30 – 18:00** **M Rosario Sepúlveda** (Universidad de Granada – Spain),
Exploring cell biology to find new nanotools: the role of extracellular vesicles as detoxification system in microglia.
- 18:00 – 18:30** **Salvatore Calogero Gaglio** (Università degli Studi di Verona – Italy),
Fisetin nanoparticles promoting osteogenesis: towards the recovery of antioxidants from agroindustrial waste.
- 18:30 – 19:00** **Closing Ceremony**

Important Information:

- Workshop participation is free (no fees required)
- Limit of 100 participants
- Priority to junior post-doctoral and pre-doctoral researchers
- Max 80 posters exhibition subject to peer-review process (**abstract submission by May 31st at bals2024@ugr.es**)
- English will be the official language of the workshop
- Possibility to ask for digital certificate of attendance

