

Preliminar programme:

1st DAY

(9.30h) INAUGURACIÓN POR LAS AUTORIDADES. JOSÉ LUIS POVEDA (GERENTE DE LA AGRUPACIÓN SANITARIA INTERDEPARTAMENTAL VALENCIA SUR, HOSPITAL LA FE), HORTENSIA RICO (DECANA DE LA FACULTAD DE FARMACIA Y CIENCIAS DE LA ALIMENTACIÓN DE LA UNIVERSITAT DE VALÈNCIA)

MORNING SESSION. NANOTECHNOLOGY (Chair: Prof. Jesús Santamaría)

1. (9.45h). Nanoscience: explaining the behavior of nanomaterials. Overview of nanomaterials-based therapies. *Prof. Jesús Santamaría. Instituto de Nanociencia y Materiales de Aragón (INMA-UNIZAR)*

2. (10.30h). Nanoparticles for localized drug delivery. *Dr. Ramón Martínez-Mañez. Escuela Técnica Superior de Ingeniería Industrial. Universidad de Valencia. Valencia*

11.15-11.30 Questions

11.30-12.00h COFFEE BREAK

3. (12.00h) From the laboratory to the pharmacy. Producing nanotherapies. *Prof. Eva Martín del Valle. Universidad de Salamanca*

4. (12.45h) Designing Smarter Nanocarriers: Lessons from Synthetic Nanoparticles and Extracellular Vesicles. *Dra. Ibane Abasolo. Instituto de Química Avanzada de Cataluña -CSIC*

13.30h Questions

13.45-15.30h LUNCH BREAK

AFTERNOON: LIVING BETWEEN TWO SMALL WORLDS: EVs AND NANOMATERIALS

(Chair: Prof. Joana M. Ramis)

5. (15.30h). "Platelet-derived extracellular vesicles for wound healing: exploring optimal sources, donor variability, and delivery using decellularized amniotic membrane hydrogels" *Prof. Joana M. Ramis. Univ. Illes Balears*

6. (16.00h) Use of EVs for regenerative medicine and cancer theragnostics. *Dra. Pilar Martín-Duque. Instituto de Salud Carlos III*

7. (16.30h) *Advances in Local Drug Delivery Systems for Peritoneal Carcinomatosis in Ovarian Cancer.* *Prof. Marta Monjó. Univ. Illes Balears*

8. (17.45). EVs and liquid biopsies in cancer. *Dr. Antonio de la Vieja. Instituto de Salud Carlos III*

18.15. Questions and debate

2nd DAY

MORNING SESSION. EVs FOR DIAGNOSTICS AND THERAPIES (Chair: Prof. Antonio Marcilla)

9. (9.00h) Basic concepts of the biology and biogenesis of the extracellular vesicles.

Dra. María Yáñez Mó. Universidad Autónoma de Madrid

10. (9.30h) Immune modulation mediated by Extracellular Vesicles from cancer cells. *Dra. María del Mar Valés Gómez. Centro Nacional de Biotecnología. Madrid*

11. (10.00h) EVs in the communication between reigns and therapeutic approaches. *Prof. Antonio Marcilla. Universitat de València.*

10-10.15h Questions

(10.15-11.00h) Coffee break

12. (11.00h) EV-inspired therapies to reactivate antitumor cell responses. *Dr. Héctor Peinado. Centro Nacional de Biotecnología. Madrid*

13. (11.30h) MSC-EV therapy as an alternative to current cell therapy. *Dra. Marcel·la Franquesa, Instituto de Investigación Germans Trias i Pujol (IGTP), Badalona*

14. (12.00) Revealing Disease through exosome analysis by in-depth proteomics and immunomics. *Dr. Rodrigo Barderas. Instituto de Salud Carlos III*

15. (12.30) Nano-Lights in the Brain: Revealing Disease with Molecular Imaging. *Dra. Pilar López Larrubia. IIB. Alberto Sols. CSIC*

13-13.30h Questions

13.30-15.30h. LUNCH BREAK

AFTERNOON SESSION: FACILITATING THE SUCCESS OF THE NANO-BIOMEDICAL PRODUCT TO THE CLINIC (Chair: Dra. Pilar Martin-Duque) (Design of a clean room, preclinical studies, daily bases on a clean room etc)

16. (15.30h). Regulatory aspect for the production of ATMPs in research. *Dra. Ana Bonora Centelles. IIS La Fe*

17. (16h) Experience of the ATMPs production at La Fe's Hospital. *Dr. Cristobal Aguilar. IIS La Fe.*

16.30h. Mesa Redonda con los ponentes.

17.30. Despedida.