

**PhD Training Course 2024:  
Extracellular vesicles for gene and cell therapies**  
*Organizadoras: Dras. Pilar Martín Duque y Marcel-la Franquesa*

**20th MARCH (Afternoon)**

**16-16.15h Opening of the course by the authorities**

**16.15-17h (Basics) Basic concepts of the biology and biogénesis of the extracellular vesicles.** Dra. María Sancho Albero. INMA. AECC-Univ. de Zaragoza.

**17-17.45h (Basics) Methodologies for the characterization of EVs and their applications to the clinic.** Dra. M<sup>a</sup>Mar Vales Gómez, Centro Nacional de Biotecnología.

**17.45-18.30h (Basics) Isolation techniques of EVs.** Dr. Francesc E. Borràs. Germans Trias i Pujol Research Institute (IGTP).

**DINNER**

**21st MARCH (All day)**

**9-9.30h (Applications) Use of exosomes for cancer gene therapy.** Dr. Karim Benabdellah, GENyO/ Universidad de Granada/Junta de Andalucía

**9.30-10.00h (Applications) Targeted extracellular vesicle gene therapy for neurodegenerative diseases.** Dra. Lydia Alvarez-Erviti, Centro de Investigación Biomédica de La Rioja (CIBIR).

**10.00-10.45. Coffee break**

**10.45-11.15h (Applications) Use of EVs for regenerative medicine and cancer theragnostics.** Dra. Pilar Martín-Duque. Instituto de Salud Carlos III. Centro de Terapias Avanzadas// IIS Aragón

**11.15-11.45 (Applications) MSC-EV therapy as an alternative to current cell therapy.** Dra. Marcella Franquesa. Germans Trias i Pujol Research Institute (IGTP).

**11.45-12.15 Sponsor talks**

**Use of FIDA technology for the Quantification and Characterization of Exosomes purified by Ultracentrifugation".** Dr Miguel Angel Formoso. Izasa.

**12.15-14.00. Lunch and networking.**

**14.00-14.30h. From MSCs to their secretome.** Dr. Mariano García Arranz. Fundación Jiménez Díaz.

**14.30-15.00. EVs as advanced therapies: Industry and academy walking together.** Dr. Pedro Lapuente. Peaches Biotech/ Exobiopharma

**15.00-15.30. Regulatory requirements to take the secretome to the clinical practise.** Dr. Pablo de Felipe. AEMPS

**15.30-16.30. Round table and farewell.** Dr Antonio Marcilla (Univ Valencia) y Dr Ander Izeta (Biodonostia)

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