

Hands-on Workshop

Biomarkers and EVs: concepts,
advances and technical
c o n s i d e r a t i o n s

Granada
November 5, 2019

**Hands-on
program**

November 5th

- 8:30-9:00** Registration
- 9:00** Main aspects of EV isolation techniques and Minimal Information requirements for EV research. *María Yáñez-Mó, UAM/IIS-IP, Madrid*
- 9:30** General aspects of the Liquid Biopsy. *Maria José Serrano. Scientific Director of Liquid Biopsies Division. Liquid Biopsies & Metastasis Group. Oncology Division. Hospital Virgen de las Nieves-GENyO, Granada*
- 10:00** EV-based biomarkers in disease. *Juan Antonio Marchal, UGR, Granada*
- 10:30** Use of EVs in Liquid Biopsy. *Hector Peinado, CNIO, Madrid*
- 11:00** **Coffee break**
- 11:30** “Omics” on EVs. *Juan Manuel Falcón-Pérez, CIC-Biogune, Derio*
- 12:00** Flow cytometry on EVs. *Mar Valés-Gómez, CNB, Madrid*
- 12:30** Biobanking EVs. *Jose Antonio López-Guerrero, IVO, Valencia*
- 13:00-14:15** Sponsors Flash Presentations

- 13:00 EXOGAG: NEXT GENERATION EXOSOME ISOLATION
(Nasasbiotech)
- 13:10 BODY-FLUIDS: EXOSOME COLLECTION AND PRESERVATION DEVICES.
(Condalab yNorgen)
- 13:20 SIZE EXCLUSION CHROMATOGRAPHY, IMMUNOISOLATION
AND FLOW CYTOMETRY DETECTION
(Immunostep)
- 13:30 ZETAVIEW, THE NEXT EVOLUTION ON EXOSOME RESEARCH
(Solmeglas)
- 13:40 COMPREHENSIVE ANALYSIS OF SINGLE EVS BY NANO-FLOWCYTOMETRY
(Nano FCM, Dr Ben Peacock)
- 13:50 WHAT’S Nxt IN EXOSOMES: MADE THE INVISIBLE VISIBLE
Attune NxT.
(Thermofisher Scientific)
- 14:00 HIGH THROUGHPUT PURIFICATION OF BIOMARKERS AND THEIR
APPLICATION IN EXOSOMES
(Promega, Montserrat Latorre)

14:15 **Lunch**

15:30-19:30 Practical sessions:

Lab 1. EXOGAG: NEXT GENERATION EXOSOME ISOLATION
(Nasasbiotech)

15:30. Green group
15:55. Red group
16:20. Yellow group
16:45. Blue group.
17:10. Purple group
17:35. Orange group
18:00. Black group



Lab 1. BODY-FLUIDS: EXOSOME COLLECTION AND PRESERVATION DEVICES.
(Condalab yNorgen)

15:30. Black group
15:55. Green group
16:20. Red group
16:45. Yellow group
17:10. Blue group
17:35. Purple group
18:00. Orange group



Lab 1. SIZE EXCLUSION CHROMATOGRAPHY, IMMUNOISOLATION AND FLOW CYTOMETRY
DETECTION
(Immunostep)

15:30. Orange group
15:55. Black group
16:20. Green group
16:45. Red group
17:10. Yellow group
17:35. Blue group.
18:00. Purple group



Lab 1. ZETAVIEW, THE NEXT EVOLUTION ON EXOSOME RESEARCH
(Solmeglas)

15:30. Purple group
15:55. Orange group
16:20. Black group
16:45. Green group
17:10. Red group
17:35. Yellow group
18:00. Blue group.



Lab 2. COMPREHENSIVE ANALYSIS OF SINGLE EVS BY NANO-FLOWCYTOMETRY
(Nano FCM)

15:30. Blue group
15:55. Purple group
16:20. Orange group
16:45. Black group
17:10. Green group
17:35. Red group
18:00. Yellow group



Lab 2. WHAT'S Nxt IN EXOSOMES: MADE THE INVISIBLE VISIBLE Attune Nxt.
(Thermofisher Scientific)

15:30. Yellow group
15:55. Blue group
16:20. Purple group
16:45. Orange group
17:10. Black group
17:35. Green group
18:00. Red group



Lab 2. HIGH THROUGHPUT PURIFICATION OF BIOMARKERS AND THEIR APPLICATION IN EXOSOMES
(Promega)

15:30. Red group
15:55. Yellow group
16:20. Blue group
16:45. Purple group
17:10. Orange group
17:35. Black group
18:00. Green group



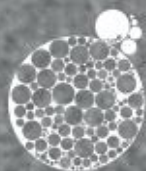
18:30 Wrap up. All groups.

The venue will be the “Salon de Grados C”, School of Medicine, University of Granada. Avda. de la Investigación 11. 18016 Granada.

Collaborator: Dpt. of Biochemistry, Molecular Biology 3 and Immunology., School of Medicine



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Grupo Español de Innovación e Investigación en
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