

## DADES GENERALS

## Curs acadèmic

|                          |  |
|--------------------------|--|
| <b>Tipus de curs</b>     | Microcredencial Universitari   |
| <b>Nombre de crèdits</b> | 2,00 Crèdits ECTS  |
| <b>Matrícula</b>         | 150 euros (import preu públic)   |
| <b>Requisits d'accés</b> | Students or Graduated in the Superior Degree in Anatomical Pathology and Cytodiagnostics |
| <b>Modalitat</b>         | Presencial   |
| <b>Lloc d'impartició</b> | Departamento de Bioquímica y Biología Molecular, Facultad de Medicina                    |
| <b>Horari</b>            | Tuesday and Thursday from 10.00 to 12.00 hours   |

## Direcció

|                     |   |
|---------------------|---|
| <b>Organitzador</b> | 0   |
| <b>Direcció</b>     | José Enrique O'Connor Blasco<br>Catedrático/a de Universidad. Departament de Bioquímica i Biologia Molecular. Universitat de València |

## Terminis

|                              |                   |
|------------------------------|-------------------|
| <b>Preinscripció al curs</b> | Fins a 01/03/2024 |
| <b>Data inici</b>            | Març 2024         |
| <b>Data fi</b>               | Maig 2024         |

## Més informació

|                |  |
|----------------|--|
| <b>Telèfon</b> | 961 603 000  |
| <b>E-mail</b>  | <a href="mailto:informacio@adeituv.es">informacio@adeituv.es</a> |

## PROGRAMA

## Flow Cytometry in Pathology and Cytodiagnostics

## Descriptors

1. Fundamentals of Flow Cytometry
2. Basic and clinical applications of Flow Cytometry
3. Preanalytical phase: Sample preparation and reagent selection
4. Analytical Phase: Procedures and Data Management
5. Applications of Cytometry in Genetics and Molecular Biology
6. Applications of Cytometry in Cytology
7. Applications of Cytometry in Pathophysiology and Forensic Medicine
8. Flow Cytometry on the Internet: Training and business resources.
9. Practice 1: Use, adjustment, quality control and cleaning of the CytoFlex cytometer and the BioRad S3 cell separator
10. Practice 2: Use, adjustment, quality control and cleaning of the Gallios and FACSVerser cytometers
11. Practice 3: Cell cycle cytometry
12. Practice 4: Cytometry of samples from biological liquids
13. Practice 5: Flow cytometry of samples from solid tissues
14. Practice 6: Flow cytometry and cell separation of samples from cell cultures
15. Practice 7: Learning flow cytometry data analysis software
16. Practice 8: Integration of results and discussion of practical cases

## PROFESSORAT

## Guadalupe Herrera Martín

Investigadora. Fundación de la C.V. Centro de Investigación Príncipe Felipe

## Alicia Martínez Romero

Responsable del Servicio de Citometría - Fundación de la Comunidad Valenciana - Centro de Investigación Príncipe Felipe Valencia

## José Enrique O'Connor Blasco

## OBJECTIUS

Les sortides professionals que té el curs són:

Using Flow Cytometry instruments and programs in the area of Pathology and Cytodiagnostics  
The microcredential aims to provide students of the Higher Degree Cycle in Pathological Anatomy and Cytodiagnosis, complementary theoretical-practical training in Flow cytometry. The microcredential is designed to provide knowledge and skills in relation to the technical basis of cytometry, the preparation of different types of clinical samples and experimental, the correct handling of flow cytometers, the design and application of analysis procedures, data management and interpretation of results.