

## DATOS GENERALES

<b>Curso académico</b>	Curso 2023/2024
<b>Tipo de curso</b>	Microcredencial Universitario
<b>Número de créditos</b>	2,00 Créditos ECTS
<b>Matrícula</b>	150 euros (importe precio público) Preu general
<b>Requisitos de acceso</b>	Students or Graduated in the Superior Degree in Anatomical Pathology and Cytodiagnosics
<b>Modalidad</b>	Presencial
<b>Lugar de impartición</b>	Departamento de Bioquímica y Biología Molecular, Facultad de Medicina
<b>Horario</b>	Tuesday and Thursday from 10.00 to 12.00 hours
<b>Dirección</b>	
<b>Organizador</b>	0
<b>Dirección</b>	José Enrique O'Connor Blasco Catedrático/a de Universidad. Departament de Bioquímica i Biologia Molecular. Universitat de València
<b>Plazos</b>	
<b>Preinscripción al curso</b>	Hasta 01/03/24
<b>Fecha inicio</b>	Marzo 24
<b>Fecha fin</b>	Mayo 24
<b>Más información</b>	
<b>Teléfono</b>	961 603 000
<b>E-mail</b>	<a href="mailto:informacion@adeituv.es">informacion@adeituv.es</a>

## PROGRAMA

## Flow Cytometry in Pathology and Cytodiagnosics

## 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

## PROFESORADO

**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**

## OBJETIVOS

Las salidas profesionales que tiene el curso son:

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.

## METODOLOGÍA

Face-to-face theoretical lessons (equivalent to 0.8 ECTS credits) and practical sessions (equivalent to 1.2 ECTS credits).

Study of teaching materials.

Exercises for solving practical cases using cytometric data analysis programs.