

DATOS GENERALES

Curso académico

Tipo de curso	Microcredencial Universitario
Número de créditos	2,00 Créditos ECTS
Matrícula	150 euros (importe precio público) Preu general
Requisitos de acceso	Students or Graduated in the Superior Degree in Anatomical Pathology and Cytodiagnosics
Modalidad	Presencial
Lugar de impartición	Departamento de Bioquímica y Biología Molecular, Facultad de Medicina
Horario	Tuesday and Thursday from 10.00 to 12.00 hours

Dirección

Organizador	0
Dirección	José Enrique O'Connor Blasco Catedrático/a de Universidad. Departament de Bioquímica i Biologia Molecular. Universitat de València

Plazos

Preinscripción al curso	Hasta 01/03/2024
Fecha inicio	Marzo 2024
Fecha fin	Mayo 2024

Más información

Teléfono	961 603 000
E-mail	informacion@adeituv.es

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.