

DADES GENERALS

Curs acadèmic	Curs 2023/2024
Tipus de curs	Microcredencial Universitari
Nombre de crèdits	2,00 Crèdits ECTS
Matrícula	150 euros (import preu públic)
Requisits d'accés	Students or Graduated in the Superior Degree in Anatomical Pathology and Cytodiagnostics
Modalitat	Presencial
Lloc d'impartició	Departamento de Bioquímica y Biología Molecular, Facultad de Medicina
Horari	Tuesday and Thursday from 10.00 to 12.00 hours

Direcció

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

Terminis

Preinscripció al curs	Fins a 01/03/24
Data inici	Març 24
Data fi	Maig 24

Més informació

Telèfon	961 603 000
E-mail	informacio@adeituv.es

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.