



COURSE LOCATION

Theory classrooms

Sala Polivalente (Mar, IGTP Building)
Seminar Room (Muntanya, IGTP Building)

Hands-on training

Cytometry Unit
(Mar, IGTP Building & 2nd Floor IJC headquarters)

Data analysis

Informatics room
(UAB Medicine Faculty, next to IGTP)



PRICE

Including lunches and coffee breaks

CitoCat
Members

IIS-Campus Can Ruti staff **450 €**

300 €

External participants **675 €**

525 €



REGISTRATION RULES

STEP 1 · Web registration

Fill in the registration form:

<https://forms.cloud.microsoft/e/WKix1i9gDX?origin=IprLink>



STEP 2 · Confirmation email

Once confirmed, you will receive an email with the next steps.

Places confirmed in order of registration



LIMITED SLOTS



MORE INFO

Coordination

Joan Puñet, PhD

Head, Unidad Mixta de Citometria IGTP-IJC



Germans Trias i Pujol Research Institute (IGTP)

Mar Building (Ground floor)



Josep Carreras Leukaemia Research Institute (IJC)

IJC Building (2nd floor)

IIS-Campus Can Ruti
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carrerasresearch.org/es/unidades/citometria-campus-can-ruti-uccr

How can I become a CitoCat member?

Click the following link:

<https://citocat.cat/els-nostres-socis>

And fill the form at the end of the page:



What do they offer?

An engaging opportunity to do network in a high level cytometry expertise community

Access to learning opportunities

And more in the way...

XXV EDITION

Foundations and Applications in Flow Cytometry



THIS YEAR

SPECIAL DISCOUNTS

for CitoCat members



Organised by

Unidad Mixta de Citometria IGTP – IJC
IIS-Campus Can Ruti

26–30 Oct 2026





INTRODUCTION

Flow cytometry is a technique present in most hospitals, research centres and private laboratories — from clinical diagnosis to complex research projects, not only in biomedicine but also in fields such as marine biology and the agri-food industry. Some centres have structured centralised services bringing together the different resources dedicated to this technology, a common practice in countries with strong research activity (USA, UK, France, Germany, etc.).

Since 1999, the Germans Trias i Pujol University Hospital and its Health Sciences Research Institute Foundation have promoted a Cytometry Platform to meet the care, research and teaching needs of the centre. This unit developed the PhD course on flow cytometry as part of the Master's programme in Immunology at the Universitat de Barcelona and the Universitat Autònoma de Barcelona, together with continuing-education courses for anyone wishing to learn or expand their knowledge of flow cytometry.

Nowadays, it holds one of the most complete training course in the country with participation of experts on the field with decades of experience. As flow cytometry has evolved greatly in the past years, this course also introduces the most notorious advancements in the field.



OBJECTIVES

The course aims to introduce the fundamentals of flow cytometry, familiarise participants with the use of the equipment, and present the different applications of flow cytometry in the field of immunology by providing the tools needed to develop their skills and knowledge.

ORGANISED WITH THE SUPPORT OF



MONDAY 26th

October

----- MORNING -----

Sala Polivalente, Mar Building

09:00–09:15h

Welcome and Course Presentation

PhD. Jordi Barretina —
IGTP Director

09:15–10:30h

Introduction to Flow Cytometry I

PhD. Joan Puñet —
Unitat Mixta de Citometria IGTP-IJC

10:30–11:00h Coffee break

11:00–13:00h

Introduction to Flow Cytometry II

PhD. Joan Puñet —
Unitat Mixta de Citometria IGTP-IJC



TUESDAY 27th

October

----- MORNING -----

Informatics Room, Fac. Medicine UAB

09:30–13:00h

Data analysis — Group A

PhD. Joan Puñet, Sara Monreal —
Unitat Mixta de Citometria IGTP-IJC

----- AFTERNOON -----

Cytometry Unit, Mar Building / IJC

14:00–18:00h

Practical exercises Group B: Calibration and sample acquisition

PhD. Joan Puñet, Sara Monreal —
Unitat Mixta de Citometria IGTP-IJC



WEDNESDAY 28th

October

----- MORNING -----

Informatics Room, Fac. Medicine UAB

09:30–13:00h

Data analysis — Group B

PhD. Joan Puñet, Sara Monreal —
Unitat Mixta de Citometria IGTP-IJC

----- AFTERNOON -----

Seminar Room, Muntanya Building

14:00–15:00h

Know your tools: Antibodies

PhD. Jorge Carrillo Molina —
Immunology Group leader at IrsiCaixa

15:00–15:30h Coffee break

15:30–16:30h

Citometría de Flujo y Medicina Regenerativa

José Miguel Vaquero —
Head of Flow Cytometry Facility. IDIBELL

16:30–18:00h

Roundtable — Interactive Troubleshooting



THURSDAY 29th

October

----- MORNING -----

Sala Polivalente, Mar Building

09:00–10:30h

Fundamentals in Spectral Flow Cytometry (Full-Spectrum)

Sara Monreal —
Unitat Mixta de Citometria IGTP-IJC

10:30–11:00h Coffee break

11:00–13:30h

Multicolor panel design: Theory and practical examples

PhD. Mattia Gallizioli —
BD Biosciences TAS



FRIDAY 30th

October

----- MORNING -----

Sala Polivalente, Mar Building

09:00–10:00h

Imaging Cytometry

Joan Puñet —
Unitat Mixta de Citometria IGTP-IJC

10:00–11:00h

Unlocking Molecular Biology of B cells through Flow Cytometry

PhD Lucía Fanlo Escudero —
Post-doc 3D Chromatin Organization Lab, IJC

11:00–11:30h Coffee break

11:30–13:00h

Cytometry Data Presentation for Quality Publishing

PhD. Jordi Petriz —
Functional Cytometry group leader, IGTP

----- AFTERNOON -----

Sala Polivalente, Mar Building

14:30–15:30h

Intro to Computational Cytometry: See the path

PhD. Joan Puñet —
Unitat Mixta de Citometria IGTP-IJC

15:30–16:00h Coffee break

16:00–17:00h

Intro to Computational Cytometry: Walk the path

PhD Mónica Cabrera —
Unitat Mixta de Citometria IGTP-IJC

17:00–18:00h

Multicolor Assay Optimization: A Stitch In Time Saves Nine

PhD. Yacine Kharraz. Principal Scientist at Cytek.

----- AFTERNOON -----

Sala Polivalente, Mar Building

14:00–15:00h

The Cytometry of the Little Things: Nanoparticles, Virus, EVs

PhD. Óscar Fornas —
Head of the Flow Cytometry Facility. CRG-UPF

15:00–16:00h

Is Your Cytometry Data Lying? How Small Decisions Ruin Results

Marco A. Fernández —
Head of the Clinical Cytometry Facility. Hospital Clínic de Barcelona (CDB)

16:00–16:30h Coffee break

16:30–17:30h

Cyto-Quiz recap

17:30–18:00h

Closure

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