

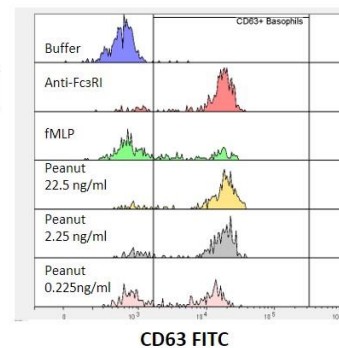
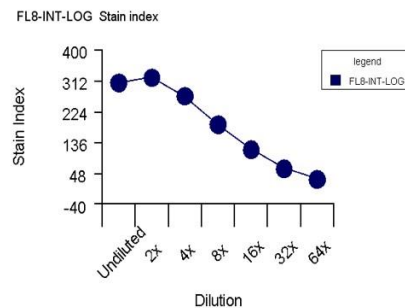
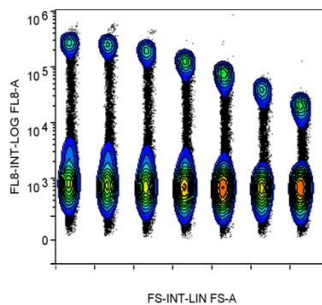
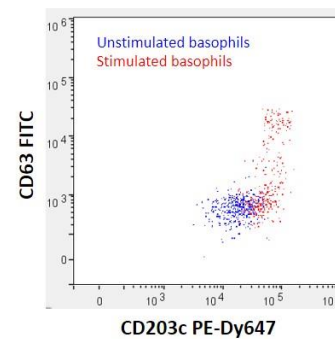
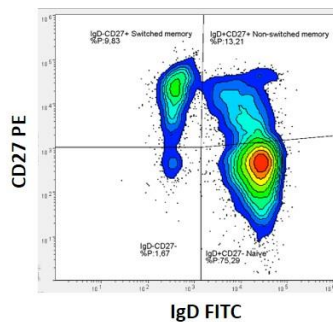
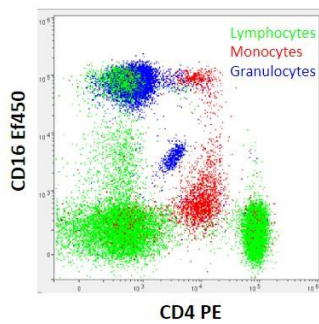
Annual Flow Cytometry Course 2018:

From First Principles to Polychromatic Applications

Date: Monday 5th November 2018 - Friday 9th November 2018

Time schedule: 8.30 PM - 18.30 PM

Location: Children's Hospital Srebrnjak, Department for Translational Medicine, Srebrnjak 100, Zagreb, Croatia.



Introduction: We offer an intensive, five-day, hands-on flow cytometry course. Lectures and lab work will be taught by two main tutors, two flow cytometry experts from Trinity College Dublin and Children's Hospital Srebrnjak. In addition, guest specialists organised by sponsors will give 45 minutes talks, twice per day during commercial scientific tutorials, on their specialised techniques and various uses of flow cytometry.

Course settings and programme: The course will be organised into two major parts: lectures and hands-on sessions. Participants will be organised in small groups to carefully planned schedule on sample preparation, instrument set up, sample acquisition and data analysis. The short course programme is listed in Table 1.

Day 1	Basic concepts Instrumentation Flurochromes Compensation I: Principles Compensation II: Practice Instruments: Introduction
Day 2	Applications I Flow cytometer optimization Sample preparation Instruments: Acquisition, daily routine
Day 3	Experiment planning Lab tips and tricks Data analysis Titration and viability: Sample acquisition and analysis
Day 4	Polychromatic flow cytometry I: Multicolour panel design Experiment design Sample preparation and acquisition Polychromatic data analysis Compensation exercise
Day 5	Applications II Data presentation guidelines Cell sorting Other cytometry technologies FCS files analysis in software

Participants: The number of attendees is limited to 20 participants. No experience in flow cytometry is required to attend the course. Any scientists (technicians, graduate students, postgraduate students, postdocs, researchers) with the biology-biochemistry-biotechnology-veterinary medicine-medicine related field are welcome to register, from the beginners level up to intermediate level of flow cytometry knowledge. The goal of the course is to allow participants to gain experience of what a flow cytometer is capable, how to plan, execute and perform polychromatic flow cytometry experiments, how to successfully analyse data obtained and create and present high-quality final results.

The course features: With a step by step approach participants will learn about flow cytometers, fluorochromes, spectral overlap and compensation, successful planning and performance of flow cytometry experiments and data analysis. Learning the theory and applying learned at the hands-on sessions will allow participants time to acquire knowledge and become familiar with the flow cytometry technique, instruments, sample preparation and acquisition as well as analysis of complex data obtained from the flow cytometry experiments of high quality.

Special requirements: During the course for all participants one software licence will be provided for analysis of the FCS data files. Therefore, participants are kindly asked to bring their own laptops. In case any of participant couldn't bring a laptop, please let us know in advance because a limited number of laptops will be provided by the organisers.

Instruments and sponsors: Our course is supported by manufacturers of cytometers and cell sorters, reagents and software. Before the course participants will receive an invitation to reserve a place preferable to instrument they would like to use during hands-on sessions.

Available platforms:

1. Navios (Beckman Coulter)
2. FACSVerse or FACSCeleste or FACSLyric (BD Biosciences)
3. FlowSight or CellStream (Merck; waiting for final confirmation)
4. Z5 (BioRad; waiting for final confirmation)

Course language: English.

Course registration: To participate in the course please sign up using ICPE online application and registration form (link is below this article), after which we will send you an offer by email and the invoice after the payment. In order to get desired registration type and become official attendee, participants must ensure payment is finalised before dates listed in tables below.

Registration fees:

Registration type	Registration deadline**	Course prices (EURO)*		
		Academic - special***	Academic	Non-Academic
Early bird	September 28 th , 2018.	550,00	700,00	850,00
Late bird	October 12 th , 2018.	700,00	850,00	1000,00
1 week before course	October 26 th , 2018.	850,00	1000,00	1150,00
* 25% VAT included in fees				
** payment must be done until deadline				
***Apply only to participants working or studying in academic institution in the following countries: Albania, Belarus, Bosnia and Hercegovina, Bulgaria, Croatia, Czech Republic, Estonia, Hungary, Kazakhstan, Latvia, Lithuania, Montenegro, Macedonia, Poland, Romania, Russia, Serbia, Slovakia, Slovenia, Ukraine.				

Registration fee includes:

- participation in the scientific program of the course
- morning coffee breaks
- lunches
- afternoon coffee breaks
- printed course material: detailed schedule, hands-on lessons and workouts

The amount of the fee + TAX, please pay on:

IBAN: HR1524840081103457044

Refund of the registration fee is possible until 12th of October, minus the administrative cost of 25,00 euros. The cancellation should be in written form, send to the organiser, ICPE. After the 12th of October, no refunds are possible.

Course main tutors:

Barry Moran, PhD

barry.moran@tcd.ie

Manager, Flow Cytometry Facility , School of Biochemistry and Immunology, Trinity Biomedical Sciences Institute, Lab 3.16 (Office 3.09), Trinity College Dublin, Ireland, Lab: + 353 (0)1 896 2761.

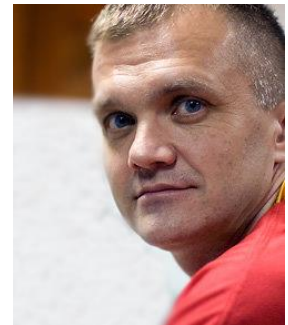


Barry established and manages the Flow Cytometry Facility in TCD, the busiest cytometry core in Ireland. It is equipped with one high-end flow sorter, one imaging cytometer, four analysers, and an in vivo fluorescence & luminescence imager. He is one of the 2 directors of the Cytometry Society of Ireland, with ~400 members. He has a BSc in Biochemistry, MSc in Genetics and is currently finalising a PhD (part-time) in Immunology. He has extensive experience running courses (flow cytometry and cell sorting) throughout Ireland and Europe.

Denis Polancec, PhD

dpolancec@bolnica-srebrnjak.hr

Head of the Translational Medicine, Flow Cytometry and Cell Sorting Specialist, Children's Hospital Srebrnjak, Zagreb.



Established flow cytometry and cell sorting laboratory at Therapeutic Area Inflammation/Immunology group within Fidelta Ltd. (at that time named PLIVA Research Institute Ltd. that was also known as GSK Research CentreLtd. from 2006-2010.) in Zagreb. Responsible for daily routine work within accompanied In Vitro lab and serving groups in many diverse fields including Immunology, Inflammation, Virology, Cancer Cell Research and Veterinary Immunology. Lectured many courses on flow cytometry and cell sorting in Croatia.

Course contacts

Please do not hesitate to get in contact with Marin Aničić for any question about booking, registration and payment, or Denis Polančec for any technical and professional question about the course content.

Marin Aničić

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