

Annual Flow Cytometry Course 2017:

From First Principles to Polychromatic Applications

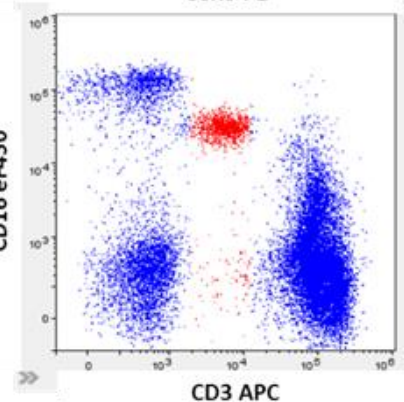
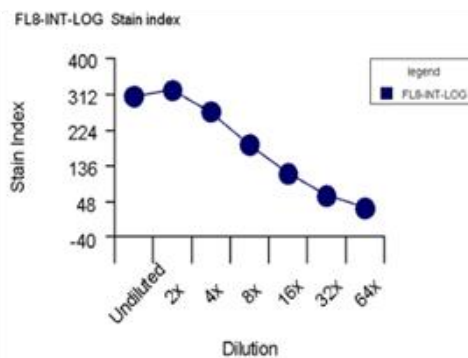
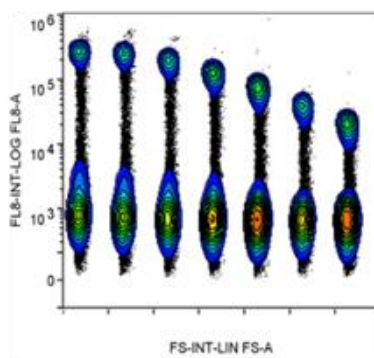
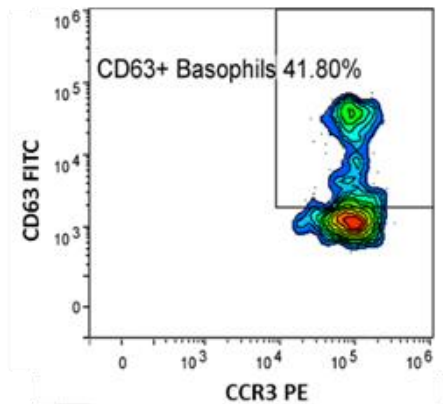
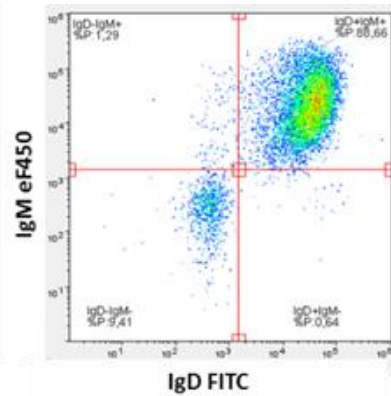
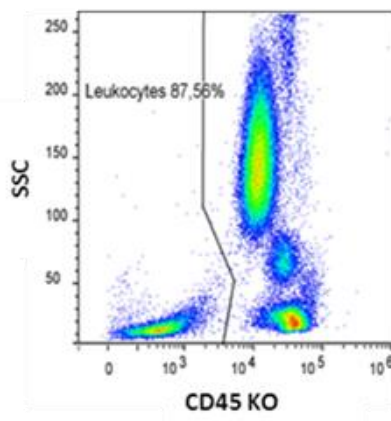
In collaboration with:



Date: Monday 23rd October 2017 - Friday 27th October 2017

Time schedule: 8.30 AM - 6.30 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 University of Zürich 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.

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 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.

Special requirements: During the course for all participants 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 laptop, please let us know in advance because an limited number of laptops will be provided by the organisers.

Course features: With an step by step approach participants will learn about flow cytometers, fluorochemicals, 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.

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

Instruments and sponsors: Our course is supported by manufacturers of cytometers and cell sorters, reagents and softwares. During the course a Navios (Beckman Coulter) and FACSVerse (BD Biosciences) flow cytometers will be used during the hands-on sessions on instruments.

Course programme:

Table 1:

Day 1	Basic concepts Instrumentation Fluorochromes 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	Applications II Cell sorting Applications III Polychromatic flow cytometry I: Multicolor panel design Polychromatic data analysis
Day 5	Data presentation guidelines Polychromatic flow cytometry II: Experiment design Sample preparation and acquisition FCS files analysis in software

Course language: English.

Course main tutors:

Vinko Tosevski, PhD



Head of Mass Cytometry Facility, Flow- and Mass Cytometry Specialist, Institute of Experimental Immunology, University of Zurich.

Established cell sorting service at Rijeka Medical School in 2007. Operated flow cytometry equipment (analyzers and cell sorters) and supported researchers performing experiments continuously since 2007. Established Flow Cytometry Facility at University of Zurich in 2009. Established Mass Cytometry Facility at University of Zurich in 2015. Organized and delivered courses, tutorials, seminars in flow cytometry since 2011.

Denis Polancec, PhD



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 Fidelity Ltd. (at that time named PLIVA Research Institute Ltd. that was also known as GSK Research Centre Ltd. 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 short courses on flow cytometry and cell sorting in Croatia. Since 2013. FloCyt Associate, for whom taught as assistant teacher one 3-day comprehensive flow cytometry course in Barcelona (2013.) and as main instructor two 5-day courses with practical sessions at Children's Hospital Srebrnjak, Zagreb.

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:

		Course prices (EURO)*		
Registration type	Registration deadline**	Academic - special***	Academic	Non-Academic
Early bird	September 22 nd , 2017.	550,00	700,00	850,00
Late bird	October 6 th , 2017.	700,00	850,00	1000,00
1 week before course	October 20 th , 2017.	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, Turkey.				

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
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The amount of the fee,+ TAX, please pay on: IBAN: HR1524840081103457044

Refund of the registration fee is possible until 6th of October, minus the administrative cost of 25,00 euros. The cancellation should be in written form, send to the organiser, ICPE. After the 6th of October, no refunds are possible.

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

Email: marin@icpeducation.com

Phone + 385 1 2851 531

ICPE International Centre for Professional Education

Tkalčićeva 59/1, 10.000 Zagreb, Croatia

info@icpeducation.com, www.icpeducation.com

Denis Polančec

Children's Hospital Srebrnjak

Srebrnjak 100, 10 000 Zagreb, Croatia

Lab: +385 1 63 91 194

Mobile: + 35 99 26 91 216

Email 1: dpolancec@bolnica-srebrnjak.hr

Email 2: denis.polancec@gmail.com

Organizing partners:



Dječja bolnica Srebrnjak

Srebrnjak 100

10 000 Zagreb

Hrvatska

<http://www.bolnica-srebrnjak.hr/index.php?lang=en&Itemid=780>