



5 - 9 NOVEMBER, 2018 - SÃO PAULO

Brazil ISAC Flow Cytometry Workshop

A partnership of the Institute of Chemistry - University of São Paulo, Oswaldo Cruz Institute - FIOCRUZ and Live Education Task Force of the International Society of Advancement of Cytometry (ISAC).

Organizing Committee

- Dr. Henning Ulrich
- Dr. Alvaro Luiz Bertho
- Dr. Zosia Maciorowski
- Dr. Awtar Kris han
- Dr. Alfonso Blanco

Local Organizing Committee

- Dr. Henning Ulrich
- Dr. Alvaro Luiz Bertho
- Dr. Micheli Pillat
- Dr. Ágatha Oliveira-Giacomelli
- Denise Yamamoto
- MSc. Thaize Chometon

Academic Program (November 5-9, 2018)

MONDAY 5TH

LECTURES

08:15

Welcome and Presentation of ISAC Course

Organizing Committee

09:00 – 10:00

Principles and applications of flow cytometry

Dr. Alfonso Blanco (UCD Conway Flow Cytometry Core, University of Dublin, Ireland)

10:00 - 11:00

Multicolor flow cytometry: Fluorochromes, spectral overlap and compensation

Dr. Zosia Maciorowski (Curie Institute, Paris, France)

11:00 - 11:30

Coffee Break

11:30 - 12:30

Your limitation is your imagination... and some technical difficulties

Dr. Alfonso Blanco-Fernández (UCD Conway Flow Cytometry Core, University of Dublin, Ireland)

12:30 - 13:00

Commercial Runway: "Cell Stream: High-sensitivity flow cytometry for innovative applications"

MERCK

13:00 – 14:00

Lunch

WET LAB*

14:00 – 18:00

Multicolor flow cytometry: Fluorochromes, spectral overlap and compensation

Dr. Zosia Maciorowski, Dr. Lourdes Arriaga-Pizano, Dr. Alvaro Luiz Bertho, Dr. Michelli Pillat, Msc. Thaize Chometon, Dr. Ágatha Oliveira-Giacomelli

**Coffee break from 15:30 to 16:00*

TUESDAY 6TH

LECTURES

09:00 - 10:00	Detection of extracellular vesicles by flow cytometry: size does matter	Dr. Edwin van der Pol (Academic Medical Center, University of Amsterdam, The Netherlands)
10:00 - 11:00	Cell cycle, proliferation and apoptosis	Dr. Lourdes Arriaga-Pizano (Mexican Social Security Institute, Mexico City, México)
11:00 - 11:30	Coffee Break	
11:30 - 12:30	Flow Cytometry in Predictive Medicine	Dr. Attila Tárnok (University of Leipzig, Germany)
12:30 - 13:00	Commercial Runway: "How the CytoFlex Technology impacts on your flow cytometry"	Beckman Coulter
13:00 - 14:00	Lunch	

WET LAB*

14:00 - 18:00	Detection and characterization of extracellular vesicles	Dr. Alvaro Luiz Bertho, M.Sc. Thaize Chometon, Dr. Michelli Pillat, Dr. Alfonso Blanco, Dr. Henning Ulrich, Dr. Ágatha Oliveira-Giacomelli
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* Coffee break from 15:30 to 16:00

WEDNESDAY 7TH

LECTURES

09:00 - 10:00	Use of FCM on the evaluation of the immunological risk in solid organ transplantation	Dr. Jorge Neumann (Santa Casa Porto Alegre, RS, Brazil)
10:00 - 11:00	Clinical Cytometry: leukemia and lymphoma phenotyping	Dr. Rodolfo P. Correa (Hospital Israelita Albert Einstein, São Paulo, Brazil)
11:00 - 11:30	Coffee Break	
11:30 - 12:30	Panel design, QC and standardization	Dr. Zosia Maciorowski (Curie Institute, Paris, France)
12:30 - 13:00	Commercial Runway	Becton & Dickinson
13:00 - 14:00	Lunch	

WET LAB*

14:00 - 18:00	Duraclone for clinical application: A ten-color tube for the screening of hematological malignancies	Dr. Rodolfo Correa, Dr. Alvaro Luiz Bertho, M.Sc. Thaize Chometon, Dr. Michelli Pillat, Dr. Henning Ulrich, Dr. Ágatha Oliveira-Giacomelli
18:00 - 20:00	Brazilian Barbecue (speakers and students admitted for Wet labs)	

* Coffee break from 15:30 to 16:00

THURSDAY 8TH

LECTURES

09:00 - 10:00

Flow cytometry cell sorting: principles and applications

Dr. Matthias Schiemann (Technical University of Munich, Germany)

10:00 - 11:00

Flow cytometry in stem cell biology

Dr. Micheli Pillat (University of São Paulo, São Paulo, Brazil)

Dr. Henning Ulrich (University of São Paulo, São Paulo, Brazil)

11:00 - 11:30

Coffee Break

11:30 - 12:30

Analysis of leucocyte function by FCM: cytokine production, phosphoproteins and phagocytosis

Dr. Lourdes Arriaga-Pizano (Mexican Social Security Institute, Mexico City, México)

12:30 - 13:00

Commercial Runway: "Phagocytic activity of granulocytes by flow cytometry"

DBR Biotech

13:00 - 14:00

Lunch

WET LAB*

13:00 - 18:00

Stem cells and flow cytometry

Dr. Henning Ulrich, Dr. Micheli Pillat, Dr. Alvaro Luiz Bertho, M.Sc. Thaize Chometon

* Coffee break from 15:30 to 16:00

FRIDAY 9TH

LECTURES

09:00 - 10:00	Publishing in Cytometry A	Dr. Attila Tárnok (University of Leipzig, Germany) Dr. Henning Ulrich (University of São Paulo, São Paulo, Brazil)
10:00 - 11:00	How to publish data following international standards (MiFlowCyt)	Dr. Alfonso Blanco (UCD Conway Flow Cytometry Core, University of Dublin, Ireland)
11:00 - 11:30	Coffee Break	
11:30 - 12:30	Past, present and future of flow cytometry	Dr. Alvaro Luiz Bertho (Fundação Oswaldo Cruz, Rio de Janeiro, Brazil)
12:30 - 13:00	Commercial Runway	BIORAD
13:00 - 14:00	Farewell Lunch	
14:00 - 14:30	ISAC Live Education Task Force	Dr. Zosia Maciorowski (Curie Institute, Paris, France)
14:30 - 15:00	ISAC contributions	Dr. Henning Ulrich
15:00	Final Remarks and Closing	Organizing Committee

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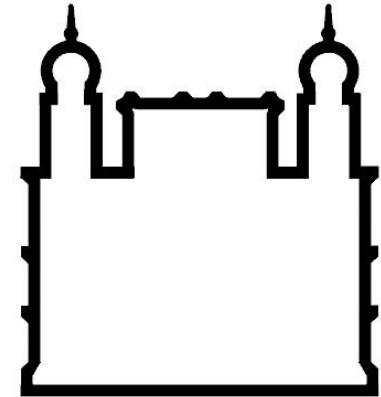
USP

Institute of Chemistry - University of São Paulo
Graduate School of Biochemistry



International Society for Advancement of Cytometry

(<http://isac-net.org/>)



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