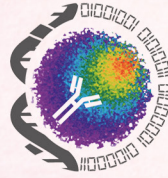




**TURKISH
SOCIETY OF
IMMUNOLOGY**



ISAC
INTERNATIONAL SOCIETY FOR
ADVANCEMENT OF CYTOMETRY

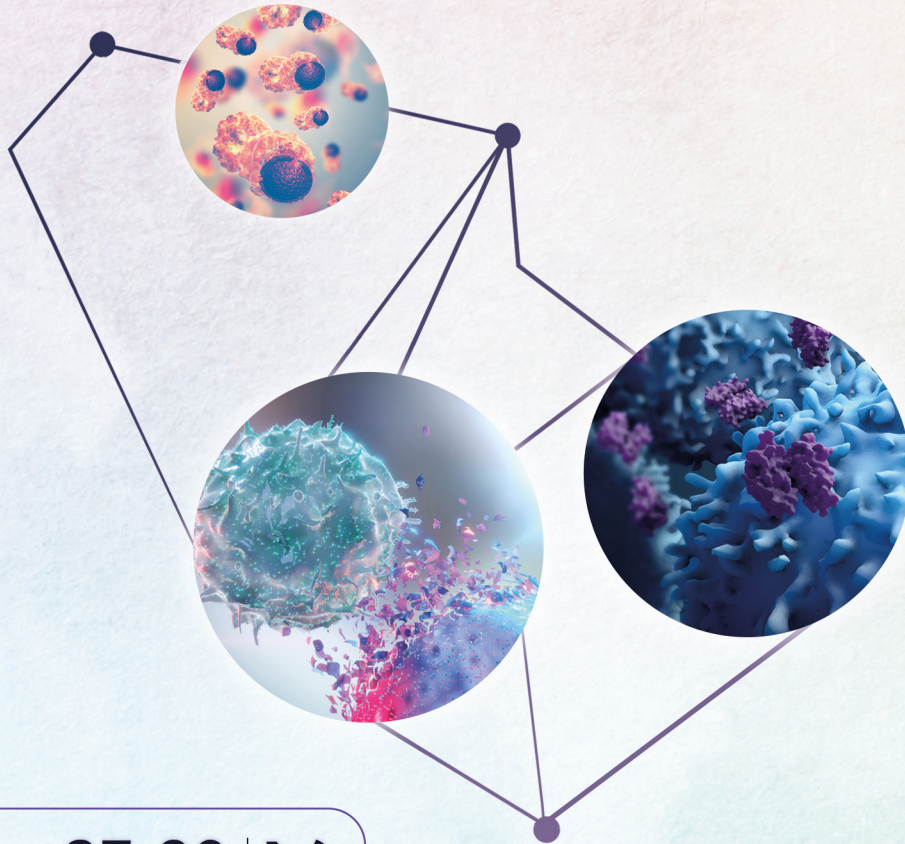


IZMIR BIOMEDICINE
AND GENOME CENTER

7th TURKISH-US CYTOMETRY WORKSHOP

Supported by ISAC Educational Task Force

PROGRAM



September 27-30
Izmir Biomedicine and
Genome Center
IZMIR / TURKIYE

2022

www.turkimmunoloji.org

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September 27, 2022

DAY 1 – INTRODUCTION to FLOW CYTOMETRY

08:30 – 09:00	Registration	
09:00 – 09:30	Welcome Speeches by the Host and ISAC Delegates	
	Director of Izmir Biomedicine and Genome Center	<i>Ihsan Gursel</i>
	President of Turkish Society for Immunology	<i>Barbaros Oral</i>
	ISAC Live Education Delivery SubCommittee Chair	<i>Zosia Maciorowski</i>
	ISAC Live Education Delivery SubCommittee Co-chair	<i>Awtar Krishan (online)</i>
	Workshop Chair and Member of ISAC Live Education Delivery SubCommittee	<i>Gunnur Deniz</i>
09:30 – 11:10	Chairs	<i>Barbaros Oral</i> <i>Ihsan Gursel</i>
09:30 – 10:15	The Basics of Flow Cytometry	<i>Zosia Maciorowski</i>
10:15 – 11:00	A Primer on Multicolor Panel Design	<i>Zosia Maciorowski</i>
11:00 – 11:15	Coffee Break	
11:15 – 13:00	Chairs	<i>Gunnur Deniz</i> <i>Raquel Cabana</i>
11:15 – 11:45	Quality Control and Standardization	<i>Josephine Lannigan</i>
11:45 – 12:15	Guidelines on How to Set up Multiparametric Flow Cytometry Panels	<i>Gerhard Wingender</i>
12:15 – 13:00	Analyzing Flow Cytometry Data	<i>Raquel Cabana</i>
13:00 – 14:30	Lunch	
14:30 – 17:30	Wet Lab 1 Basic Multicolor Flow Cytometry	<i>Zosia Maciorowski</i> <i>Josephine Lannigan</i> <i>Zeynep Karakan Karakas</i>
	Wet Lab 2 Multiparametric Panel Design	<i>Raquel Cabana</i> <i>Gerhard Wingender</i> <i>Josephine Lannigan</i>
	Wet Lab 3 Analyzing Flow Cytometry Data	<i>Raquel Cabana</i> <i>Fatma Betul Oktelik</i> <i>Tolga Sutlu</i> <i>Josephine Lannigan</i>
17:30 – 18:30	Satellite Symposium <i>Beckman Coulter</i>	
	Advancing Functional Cellular Assays With Dry Reagent Technology: DURAClone IF & DURActive	<i>Anica Remenar</i>
18:30	End of Day 1	

September 28, 2022
DAY 2 – IMMUNODEFICIENCIES – 1

09:00 – 10:45	Chairs	<i>Mirjam van der Burg</i> <i>Elif Karakoc Aydiner</i>
09:00 – 09:30	Primary Immunodeficiencies: Diagnosis and Classification	<i>Elif Karakoç Aydiner</i>
09:30 – 10:00	Secondary Immunodeficiencies and Flow Cytometry Analysis	<i>Ugur Musabak</i>
10:00 – 10:45	Advanced Analysis for Lymphocyte Subsets in Primary Immunodeficiency Diseases	<i>Marianna Tzanoudaki</i>
10:45 – 11:00	Coffee Break	
11:00 – 12:45	Chairs	<i>Marianna Tzanoudaki</i> <i>Ugur Musabak</i>
11:00 – 11:45	Flow Cytometry Assays in Primary Immunodeficiency Diseases	<i>Mirjam van der Burg</i>
11:45 – 12:15	Disorders of Phagocytic Function: Diagnosis	<i>Mayda Gursel</i>
12:15 – 12:45	Cytotoxic Activity Tests	<i>Tolga Sutlu</i>
12:45 – 14:30	Lunch	
14:30 – 17:30	Wet Lab 4 Phagocytic Functions	<i>Mayda Gursel</i> <i>Muzaffer Yildirim</i> <i>Ismail Cem Yilmaz</i>
	Wet Lab 5 Degranulation Assays	<i>Tolga Sutlu</i> <i>Elif Celik</i>
	Wet Lab 6 Advanced Lymphocyte Subsets	<i>Marianna Tzanoudaki</i> <i>Raquel Cabana</i> <i>Esin Aktas</i>
17:30 – 18.00	End of Day 2	

September 29, 2022
DAY – 3 IMMUNODEFICIENCIES – 2

09:00 – 10:45	Chairs	<i>Tolga Sutlu</i> <i>Esin Aktas Cetin</i>
09:00 – 09:45	Applications Overview: Cell Cycle, Apoptosis, Proliferation or Other	<i>Bill Telford (online)</i>
09:45 – 10:15	Apoptosis: To Die or not To Die	<i>Duygu Sag</i>
10:15 – 10:45	Flow Cytometry Beyond the Surface-Cell Signalling and Cell Cycle	<i>Raif Yuecel</i>
10:45 – 11:00	Coffee Break	
11:00 – 12:30	Chairs	<i>Klara Dalva</i> <i>Zosia Maciorowski</i>
11:00 – 11:30	Intracellular Cytokine Staining and Cell Proliferation	<i>Gunnur Deniz</i>
11:30 – 12:00	Applications of Flow Cytometry for Solid Organ Transplantation	<i>Ali Sengul</i>
12:00 – 12:30	Challenges of Flow Cytometric Crossmatch	<i>Raquel Cabana</i>
12:30 – 14:30	Lunch	
14:30 – 17:30	Wet Lab 7 Intracellular Cytokine Staining/ Proliferation	<i>Umut Can Kucuksezer</i> <i>Gunnur Deniz</i> <i>Esin Aktas Cetin</i>
	Wet Lab 8 Cell Cycle Analysis/Apoptosis	<i>Raif Yuecel</i> <i>Zosia Maciorowski</i> <i>Duygu Sag</i>
	Wet Lab 9 Solid Organ Transplantation	<i>Klara Dalva</i> <i>Raquel Cabana</i> <i>Ali Sengul</i>
17:30 – 18:30	Satellite Symposium <i>Becton Dickinson</i>	
	BD FACSDiscover S8	<i>Mark Dessing, BD</i>
	BD RHphasody & HT express	<i>Jens Fleisher, BD</i>
	Cytognos Solutions	<i>Daniel Bitoun, BD</i>
18:30	End of Day 3	

September 30, 2022
DAY 4 – FUTURE OF CYTOMETRY

09:00 – 10:30	Chairs	<i>Mayda Gursel</i> <i>Ali Sengul</i>
09:00 – 09:30	Spectral Flow Cytometry	<i>Paul Hutchinson (online)</i>
09:30 – 10:00	The Future of Spectral Flow Cytometry	<i>Josephine Lannigan</i>
10:00 – 10:45	Understanding Infection and Immunity of SARS-CoV-2: from Diagnostics to Therapies for COVID-19	<i>Sara De Biasi (online)</i>
10:45 – 11:00	Coffee Break	
11:00 – 11:30	Exosome Detection and Measurement	<i>Ihsan Gursel</i>
11:30 – 12:15	Closing Conference: Future of Cytometry	<i>Paul Smith (online)</i>
12:15 – 12:30	Closing Ceremony	