

**THURSDAY 22 APRIL 2021**

<b>09.50</b>	<b>PLE00</b>	<b>Opening of the Virtual Conference</b>			<b>Parallel track 1/Plenary session</b>
	PLE00-01	Welcome message by the ESCCA President		Paula Fernandez (Aarau, CH)	
	PLE00-02	Welcome message by the organiser of the guest track		Florian Kern (Brighton, UK)	
<b>10.00-10.45</b>	<b>PLE01</b>	<b>Keynote Lecture</b>			
	Moderators: Paula Fernandez (Aarau, CH), Florian Kern (Brighton, UK)				
10.00-10.45	PLE01-01	Spectral FC in the clinical lab		Cristina Teodosio (Leiden, NL)	
<b>10.50-11.20</b>	<b>IPP01</b>	<b>Sponsored session - ESCCA Industrial Partner Presentation 1</b>			<b>Parallel track 1/Plenary session</b>
<b>11.30-12.30</b>	<b>PAR01</b>	<b>Hematology-Oncology - Multiple Myeloma</b>			<b>Parallel track 1</b>
	Moderators: Francesco Buccisano (Rome, IT), Reda Matuzeviciene (Vilnius, LT)				
11.30-12.00	PAR01-01	Monitoring response to therapy by flow in myeloma based on circulating tumor plasma cells and immune cells		Alberto Orfao (Salamanca, ES)	
12.00-12.30	PAR01-02	MRD driven clinical trials in MM		Valdas Peceliunas (Vilnius, LT)	
<b>11.30-12.30</b>	<b>PAR02</b>	<b>Data Analysis - Introduction to data representation</b>			<b>Parallel track 2</b>
	Moderators: Tomas Kalina (Prague, CZ), Cirino Botta (Cosenza, IT)				
11.30-12.00	PAR02-01	General Principles		Yvan Saeys (Ghent, BE)	
12.00-12.30	PAR02-02	Visualization - Back to basics		Samuel Granjeaud (Marseille, FR)	
<b>11.30-12.30</b>	<b>PAR03</b>	<b>Immunology - The tumor microenvironment</b>			<b>Parallel track 3</b>
	Moderators: Silvia della Bella (Milan, IT), José Enrique O'Connor (Valencia, ES)				
11.30-12.00	PAR03-01	The immune tumor microenvironment in the context of checkpoint inhibitor treatment		Barbara Seliger (Halle, DE)	
12.00-12.30	PAR03-02	Multidimensional analysis of Tumor-specific non-conventional T cells		Gennaro De Libero (Basel, CH)	
<b>11.30-12.30</b>	<b>PAR04</b>	<b>Antigen-Specific Immunity - T-cells/infectious antigens</b>			<b>Parallel track 4</b>
	Moderator: Florian Kern (Brighton, UK)				
11.30-12.00	PAR04-01	Priming of human virus or tumor specific naive T cells		Victor Appay (Paris, FR)	
12.00-12.30	PAR04-02	Coronavirus-specific CD4+ T cells: questions around protective immunity and immunopathology		Lucie Loyal (Berlin, DE)	
<b>12.40-13.00</b>	<b>BAP01</b>	<b>Best Abstract Presentations - Hematology-Oncology</b>			<b>Parallel track 1</b>
	Moderators: Francesco Buccisano (Rome, IT), Ulrika Johansson (Bristol, UK)				
12.40-12.50	BAP01-01	Immunologic Characterization of Coronavirus Disease 2019 (COVID-19) Patients with Hematological Cancer: Biologic and Clinical Significance		Catarina Maia (Pamplona, ES)	
12.50-13.00	BAP01-02	Flow cytometric detection of Ki-67 proliferative and Bcl-2 anti-apoptotic indices in MDS and AML, and their potential clinical impact		Stefan Mestrum (Maastricht, NL)	
<b>12.40-13.00</b>	<b>BAP02</b>	<b>Best Abstract Presentations - Advances in Cytometry &amp; Data analysis</b>			<b>Parallel track 2</b>
	Moderators: Iuri Marinov (Prague, CZ), Paula Fernandez (CH)				
12.40-12.50	BAP02-01	A bioinformatic approach to improve acute myeloid leukemia prognosis		Artuur Couckuyt (Ghent, BE)	
12.50-13.00	BAP02-02	Validation of CLL ERIC MRD Flow Cytometry panel in a CAP/CLIA-compliant model		Marc Brugarolas (Geneva, CH)	
<b>12.40-12.50</b>	<b>BAP03</b>	<b>Best Abstract Presentations - Immunology</b>			<b>Parallel track 3</b>
	Moderators: José Enrique O'Connor (Valencia, ES), Katherina Psarra (GR)				
12.40-12.50	BAP03-01	Immunological biomarkers of fatal COVID-19: a study of 513 patients		Esperanza Martín-Sánchez (Pamplona, ES)	
<b>12.40-13.00</b>	<b>BAP04</b>	<b>Best Abstract Presentations - Immunology</b>			<b>Parallel track 4</b>
	Moderators: Lukasz Sedek (Katowice, PL), Mantas Radzevicius (Vilnius, LT)				
12.40-12.50	BAP04-01	Molecular biomarkers of murine tumor immunogenicity and prediction of response to dendritic cell vaccines and anti-PD-1 treatment		Karolina Zilionyte (Vilnius, LT)	
12.50-13.00	BAP04-02	MDSC are a new target to improve graft-versus-leukemia activity of NK cells in haplo-HSC transplantation		Nicola Tumino (Rome, IT)	
<b>13.00-14.00</b>		Lunch break - visit the Exhibition and sponsor presentations <b>On demand: Oral Poster Presentations</b> <b>E-posters</b>			
<b>14.00-14.45</b>	<b>PLE02</b>	<b>Keynote Lecture</b>			<b>Parallel track 1/Plenary session</b>
	Moderators: Yvan Saeys (Ghent, BE), Cirino Botta (Cosenza, IT)				
14.00-14.45	PLE02-01	Clinical application of computational flow cytometry		Caroliën Duetz (Amsterdam, NL)	
<b>14.50-15.20</b>	<b>IPP02</b>	<b>Sponsored session - ESCCA Industrial Partner Presentation 2</b>			<b>Parallel track 1/Plenary session</b>

Thursday 22 April continued

15.30-16.30	PAR05	<b>Hematology-Oncology - CAR-T</b>	Moderators: Francesco Buccisano (Rome, IT), Ulrika Johansson (Bristol, UK)	Parallel track 1
15.30-16.00	PAR05-01	News and Views on CAR-T Cell Therapy	Michael Hudecek (Würzburg, DE)	
16.00-16.30	PAR05-02	Lab monitoring of CAR-T	Kathleen Gallagher (Boston, USA)	
15.30-16.30	PAR06	<b>Data Analysis - The Curse Of Dimensionality</b>	Moderators: Tomas Kalina (Prague, CZ), Cirino Botta (Cosenza, IT)	Parallel track 2
15.30-16.00	PAR06-01	Dimensionality Reduction – Introduction	Karel Fišer (Prague, CZ)	
16.00-16.30	PAR06-02	High dimensional cluster analysis	Yvan Saeys (Ghent, BE)	
15.30-16.30	PAR07	<b>Immunology - Infectious diseases and vaccination</b>	Moderators: Silvia Della Bella (Milan, IT), Martín Pérez y Andrés (Salamanca, ES)	Parallel track 3
15.30-16.00	PAR07-01	Next generation vaccines for infectious diseases	Rita Carsetti (Rome, IT)	
16.00-16.30	PAR07-02	Flow cytometric profiling of immune responses to vaccination	Annalisa Ciabattini (Siena, IT)	
15.30-16.30	PAR08	<b>Antigen-Specific Immunity - CAR-T-cells/technology</b>	Moderator: Stephan Fuhrmann (Berlin, DE)	Parallel track 4
15.30-16.00	PAR08-01	Nanobody-based dual-specific chimeric antigen T-cell receptors	Bart Vandekerckhove (Ghent, BE)	
16.00-16.30	PAR08-02	Immunogenicity of CAR/TCR-T cells	Cor Lamers (Rotterdam, NL)	
16.40-17.45		<b>ESCCA General Assembly</b>		

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## FRIDAY 23 APRIL 2021

10.00-11.00	PAR09	<b>Hematology-Oncology - Myelodysplastic Syndromes</b>	Moderators: Frank Preijers (Nijmegen, NL), Iuri Marinov (Prague, CZ)	Parallel track 1
10.00-10.30	PAR09-01	Evolution of diagnostics in MDS: From morphology to genetics	Wolfgang Kern (Munich, DE)	
10.30-11.00	PAR09-02	Flow-cytometric approach to MDS	Uta Oelschaegele (Dresden, DE)	
10.00-11.00	PAR10	<b>Data Analysis - High-dimensional data analysis and management</b>	Moderators: Cirino Botta (Cosenza, IT), Yvan Saeys (Ghent, BE)	Parallel track 2
10.00-10.30	PAR10-01	Democratizing computational analysis in cytometry	Josef Spidlen (Ashland, USA)	
10.30-11.00	PAR10-02	Navigate safely through a sea of data: Smart information management	Nicole Weit (Krefeld, DE)	
10.00-11.00	PAR11	<b>Immunology - Cancer immunotherapy and follow-up</b>	Moderators: Katherina Psarra (Athens, GR), Mantas Radzevicius (Vilnius, LT)	Parallel track 3
10.00-10.30	PAR11-01	Could peripheral T cells predict treatment response in solid tumors during immunotherapy era?	Skaiste Tulyte (Vilnius, LT)	
10.30-11.00	PAR11-02	Circulating and tumor-infiltrating dendritic cells in patients with different types of cancer	Silvia Della Bella (Milan, IT)	
10.00-11.00	PAR12	<b>Antigen-Specific Immunity - Neuroscience/ageing</b>	Moderators: Jan Gratama (Noordeloos, NL), Florian Kern (Brighton, UK)	Parallel track 4
10.00-10.30	PAR12-01	Induction of brain-infiltrating T-bet-expressing B cells in multiple sclerosis	Marvin van Luijn (Rotterdam, NL)	
10.30-11.00	PAR12-02	Characterization of Brain infiltrating T-cells	Jörg Hamann (Amsterdam, NL)	
11.10-12.00	PLE03	<b>Keynote Lecture</b>	Moderators: Francesco Buccisano (Rome, IT), Ulrika Johansson (Bristol, UK)	Parallel track 1/Plenary session
11.10-12.00	PLE03-01	MRD as a surrogate end point in clinical studies	Monika Brüggemann (Kiel, DE)	
12.05-12.35	IPP03	<b>Sponsored session - ESCCA Industrial Partner Presentation 3</b>		Parallel track 1/Plenary session
12.35-13.30		Lunch break - visit the Exhibition and sponsor presentations <b>On demand: Oral Poster Presentations</b> <b>E-posters</b>		
13.30-13.50	BAP05	<b>Best Abstract Presentations - Hematology-Oncology</b>	Moderators: Ulrika Johansson (Bristol, UK), Paula Fernandez (Aarau, CH)	Parallel track 1
13.30-13.40	BAP05-01	Minimal Residual Disease (MRD) in Multiple Myeloma (MM) patients undergoing Daratumumab therapy	Paola Pacelli (Siena, IT)	
13.40-13.50	BAP05-02	Improvement of the immunophenotypic abnormalities after therapy with 5-Azacitidine correlates with best clinical response in MDS patients	Dolores Subirá (Guadalajara, ES)	

Friday 23 April continued

<b>13.30-13.50</b>	<b>BAP06</b>	<b>Best Abstract Presentations - Advances in Cytometry &amp; Data analysis</b>			<b>Parallel track 2</b>
	Moderators:	Iuri Marinov (Prague, CZ), Frank Preijers (Nijmegen, NL)			
13.30-13.40	BAP06-01	Expression of the pathogenic HERV-W envelope in T lymphocytes of COVID-19 patients		Antonella Minutolo (Rome, IT)	
13.40-13.50	BAP06-02	Guidance for Validation of laboratory developed flow cytometric tests in medical laboratories		Ulrich Sack (Leipzig, DE)	
<b>13.30-13.50</b>	<b>BAP07</b>	<b>Best Abstract Presentations - Immunology</b>			<b>Parallel track 3</b>
	Moderators:	Katherina Psarra (Greece, GR), Bruno Brando (Legnano, IT)			
13.30-13.40	BAP07-01	Dendritic Cell-monocyte-Th1-axis cells combined with IL6 and IL10 levels provide an alarming immunological-signature for early prediction of severe COVID-19		Prashant Thembare (Navi Mumbai, IN)	
13.40-13.50	BAP07-02	Pneumococcal Serotype-specific B-cellular Response in pediatric Nephrotic Syndrome under Cyclosporin-A: Implementation of a novel antigen-specific B-cell detection method		Marianna Tzanoudaki (Athens, GR)	
<b>13.30-13.50</b>	<b>BAP08</b>	<b>Best Abstract Presentations - Immunology</b>			<b>Parallel track 4</b>
	Moderators:	Lukasz Sedek (Katowice, PL), Mantas Radzevicius (Vilnius, LT)			
13.30-13.40	BAP08-01	Alterations of lymphocyte Immunophenotype as possible predictors of susceptibility to infections in patients of Idic-15 syndrome, a neurological rare disease		José-Enrique O'Connor (Valencia, ES)	
13.40-13.50	BAP08-02	The rise and fall of monocyte CD169 expression as a biomarker of SARS-CoV2 infection and recovery		Arianna Gatti (Legnano, Milan, IT)	
<b>14.00-15.00</b>	<b>PAR13</b>	<b>Hematology-Oncology - MRD in hematological malignancies</b>			<b>Parallel track 1</b>
	Moderators:	Francesco Buccisano (Rome, IT), Alberto Orfao (Salamanca, ES)			
14.00-14.30	PAR13-01	Tailoring therapies to target leukemic stem cells		Monica Guzman (New York, USA)	
14.30-15.00	PAR13-02	Update on MRD-driven strategies in AML		Maria Del Principe (Rome, IT)	
<b>14.00-15.00</b>	<b>PAR14</b>	<b>Data Analysis - Large cohort interrogation</b>			<b>Parallel track 2</b>
	Moderators:	Yvan Saeys (Ghent, BE), Karel Fišer (Prague, CZ)			
14.00-14.30	PAR14-01	How do I prepare myself and my data for a cohort analysis?		Tomas Kalina (Prague, CZ)	
14.30-15.00	PAR14-02	Large cohorts interrogation		Cirino Botta (Cosenza, IT)	
<b>14.00-15.00</b>	<b>PAR15</b>	<b>Immunology - Round table discussion: Deep Phenotyping of immune cells: Which is the best strategy?</b>			<b>Parallel track 3</b>
	Moderators:	José Enrique O'Connor (Valencia, ES), Silvia Della Bella (Milan, IT)			
14.00-14.10	PAR15-01	Multiparametric flow cytometry		Mathias Streitz (Berlin, DE)	
14.10-14.20	PAR15-02	Immunophenotyping of Cancer Microenvironments by Imaging Mass Cytometry		Noel de Miranda (Leiden, NL)	
14.20-14.30	PAR15-03	Spectral flow cytometry		Cristina Teodosio (Leiden, NL)	
14.30-15.00		Roud table discussion			
<b>14.00-15.00</b>	<b>PAR16</b>	<b>Antigen-specific immunity in skin and mucosal surfaces</b>			<b>Parallel track 4</b>
	Moderators:	Jan Gratama (Noordeloos, NL), Florian Kern (Brighton, UK)			
14.00-14.30	PAR16-01	Intestinal anti-fungal Th17 drives allergic airway inflammation in humans		Petra Bacher (Kiel, DE)	
14.30-15.00	PAR16-02	Antigen-specific T lymphocytes in Psoriasis lesions		Tiago Reis Matos (Amsterdam, NL)	
<b>15.10-15.40</b>	<b>IPP04</b>	<b>Sponsored session - ESCCA Industrial Partner Presentation 4</b>			<b>Parallel track 1/Plenary session</b>
<b>15.45-16.50</b>	<b>PLE04</b>	<b>Interactive Case Presentations with live poll</b>			<b>Parallel track 1/Plenary session</b>
	Moderators:	Paula Fernandez (Aarau, CH), Francesco Buccisano (Rome, IT)			
15.45-15.50		Introduction by the moderator			
15.50-16.20	PLE04-01	Epichaperome abundance as a novel assessment to guide therapy		Monica Guzman (New York, USA)	
16.20-16.50	PLE04-02	Diagnostic challenges in T-lymphoblastic leukemia/lymphoma		Sindhu Cherian (Washington, USA)	

## SATURDAY 24 APRIL 2021

<b>10.00-11.00</b>	<b>PAR17</b>	<b>Hematology-Oncology - Game of clones in PNH and BMF</b>			<b>Parallel track 1</b>
	Moderators:	Bruno Brando (Legnano, IT), Iuri Marinov (Prague, CZ)			
10.00-10.30	PAR17-01	Immunological perturbations in BMF		Shahram Kordasti (London, NL)	
10.30-11.00	PAR17-02	Recent Advances in PNH Testing		Andrea Illingworth (Bangor, USA)	
<b>10.00-11.00</b>	<b>PAR18</b>	<b>On the new EU-IVD Regulation</b>			<b>Parallel track 2</b>
	Moderators:	Paula Fernandez (Aarau, CH), Ulrika Johansson (Bristol, UK)			
10.00-10.20	PAR18-01	The new regulation on in vitro diagnostics (IVDR): key insights for diagnostic laboratories		Bart Lubbers (Leiden, NL)	
10.20-10.40	PAR18-02	Individual and collective action in preparation for the IVDR		Jacques van Dongen (Leiden, NL)	
10.40-11.00		Q&A			

Saturday 24 April continued

10.00-11.00	PAR19	<b>Immunology - Immunodeficiency and autoimmunity</b>		Parallel track 3
	Moderators:	Tomas Kalina (Prague, CZ), Katherina Psarra (Athens, GR)		
10.00-10.30	PAR19-01	Phenotyping profiles for diagnosing immunodeficiencies	Martín Pérez y Andrés (Salamanca, ES)	
10.30-11.00	PAR19-02	Monogenic autoimmunity	Kai Kisand (Tartu, EE)	
10.00-11.00	PAR20	<b>Antigen-Specific Immunity - T-cell differentiation and Immunosenescence</b>		Parallel track 4
	Moderator:	Victor Appay (Bordeaux, FR)		
10.00-10.30	PAR20-01	CD28 null T-cells in autoimmune disease	Niels Hellings (Hasselt, BE)	
10.30-11.00	PAR20-02	CD28null T-cells and vascular disease	Florian Kern (Brighton, UK)	
11.10-11.30	BAP09	<b>Best Abstract Presentations - Hematology-Oncology</b>		Parallel track 1
	Moderators:	Ulrika Johansson (Bristol, UK), José Enrique O'Connor (Valencia, ES)		
11.10-11.20	BAP09-01	Non-valvular atrial fibrillation patients anticoagulated with rivaroxaban compared with warfarin exhibit reduced circulating extracellular vesicles with attenuated pro-inflammatory protein signatures	Luisa Weis (Dublin, IE)	
11.20-11.30	BAP09-02	Implementation of the TCRβ1 study in clinical workflow	Dolores Subirá (Guadalajara, ES)	
11.10-11.30	BAP10	<b>Best Abstract Presentations - Advances in Cytometry &amp; Data analysis</b>		Parallel track 2
	Moderators:	Iuri Marinov (Prague, CZ), Katherina Psarra (Athens, GR)		
11.10-11.20	BAP10-01	Clinical relevance of LOD/LOQ - based flow cytometry approach for MRD assessment in AML: post-hoc analysis of GIMEMA AML1310 trial	Raffaele Palmieri (Rome, IT)	
11.20-11.30	BAP10-02	Peripheral Lysing Solutions Have a Detrimental Effect in Flow Cytometric Dendritic Cell Detection	Laura G. Rico (Badalona, ES)	
11.10-11.30	BAP11	<b>Best Abstract Presentations - Immunology</b>		Parallel track 3
	Moderators:	Bruno Brando (Legnano, IT), Francesco Buccisano (Rome, IT)		
11.10-11.20	BAP11-01	Prognostic value of the CD8+ B-cells ratio in COVID-19 severity and outcome	Maria Detsika (Pefki, GR)	
11.20-11.30	BAP11-02	Peripheral lymphocytic subsets of COVID-19 patients upon admission to a reference tertiary hospital	Evdoxia Gounari (GR)	
11.10-11.30	BAP12	<b>Best Abstract Presentations - Immunology</b>		Parallel track 4
	Moderators:	Silvia Della Bella (Milan, IT), Frank Preijers (Utrecht, NL)		
11.10-11.20	BAP12-01	Lymphocyte subset count and outcome of COVID-19 patients admitted to a highly complex hospital in southern Brazil	Ana Paula de Azambuja (Curitiba, BR)	
11.20-11.30	BAP12-02	Immunomodulatory effect of long chain polyunsaturated fatty acids (LCPUFA) in association with IL-10 -1082 A/G in children with food allergy	Anna Taparkou (Thessaloniki, GR)	
11.40-12.10	IPP05	<b>Sponsored session - ESCCA Industrial Partner Presentation 5</b>		
12.15-13.00	PLE05	<b>Keynote lecture</b>		Parallel track 1/Plenary session
	Moderators:	Florian Kern (Brighton, UK), Cor Lamers (Rotterdam, NL)		
12.15-13.00	PLE05-01	Immune monitoring of personalized cancer vaccines	Evelyna Derhovanessian (Mainz, DE)	
13.00-14.00		Lunch break - visit the Exhibition and sponsor presentations <b>On demand: Oral Poster Presentations</b> <b>E-posters</b>		
14.00-14.30	IPP06	<b>Sponsored session - ESCCA Industrial Partner Presentation 6</b>		
14.35-15.40	PLE06	<b>Interactive Case Presentations with live poll</b>		Parallel track 1/Plenary session
	Moderators:	Silvia Della Bella (Milan, IT), Katherina Psarra (Athens, GR)		
14.35-14.40		Introduction by the moderator		
14.40-15.10	PLE06-01	Case presentation: Primary immunodeficiency cases	Martín Pérez y Andrés (Salamanca, ES)	
15.10-15.40	PLE06-02	Case presentation: A misleading flow cytometric finding in the diagnostic process of lymphoma	Arianna Gatti (Milan, IT)	
15.45-16.00	ESCCA 2022 & Farewell			Parallel track 1/Plenary session
	Moderators:	Paula Fernandez (Aarau, CH), Silvia Della Bella (Milan, IT)		
		Announcement ESCCA 2022	Alfonso Blanco (Dublin, IE)	
		Words of farewell	Paula Fernandez (Aarau, CH)	
		End of virtual conference		