

PRE-CONFERENCE PROGRAMME		
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Time	Session	Meeting room
09.00-12.30	<b>Pre-conference training courses</b> <i>Pre-registered participants only</i>	
	Training course A <b>Cytometry in veterinary and animal sciences: fish immunology and marine biodiversity</b>	Welhaven
	Training course B <b>Microvesicles</b>	Bjørnson
	Training course C <b>Flow cytometry Tools</b>	Werenskjold
	Training course D <b>Advanced training course on CLL MRD</b>	Ibsen

10.00-11.30	<b>Welcome session for First-Timers: Meet, Greet &amp; Ask ESCCA</b>	Plenary room
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10.00-12.00	<b>ESCCA European Cytometry Certification Examination</b> <i>Restricted to ESCCA members who have pre-registered for the Exam.</i>	Sonate
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CONFERENCE PROGRAMME		
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14.00-16.10	PLE-01	<b>Welcome Addresses</b> <b>New developments in Cytometry</b> <b>Clinical Cytometry Best Original Paper Award 2018-2019</b>	Plenary room
16.10-16.40		<b>ESCCA Industrial Partner Presentation</b>	Plenary room
17.15-19.00		<b>Welcome Reception hosted by the City of Bergen</b>  <i>Buses leave at 17.15 from the Edvard Grieg hotel.</i> <i>Bring your ticket with you!</i>	Håkonshallen, Bergen city centre
19.00-22.00		Free time in Bergen city centre, return to Edvard Grieg hotel and Comfort Bergen Airport hotel by bus	

## PRE-CONFERENCE PROGRAMME

<b>09.00-12.30</b>	<b>TRAINING COURSE A: CYTOMETRY IN VETERINARY AND ANIMAL SCIENCES: FISH IMMUNOLOGY AND MARINE BIODIVERSITY</b>	<b>WELHAVEN</b>
	Organiser: Marianne Enger (Oslo, NO)	
	The first part of this course highlights the fish's immune system, its interaction with pathogens and responses to stimulation and vaccines. The second part immerses the students in the marine environment focusing on marine biodiversity, including species composition and the functional and structural relationships in different communities. Level: Basic.	
09.00-10.30	<b>Fish immunology and vaccination</b> Gyri Teien Haugland (Bergen NO), Anita Rønneseth (Bergen, NO)	
10.30-11.00	Coffee break	
11.00-12.30	<b>How to detect and measure activity of marine microorganisms ranging 9 orders of magnitude in size, and 6-fold in concentration with and without auto-fluorescent properties</b> Aud Larsen & Gunnar Bratbak and co-workers (Bergen, NO)	

<b>09.00-12.30</b>	<b>TRAINING COURSE B: MICROVESICLES</b>	<b>BJØRNSON</b>
	Organiser: Enrique O'Connor (Valencia, ES)	
	Participants will receive a comprehensive review of microvesicles. The course illustrates the biological and clinical relevance of the cytometric analysis of microvesicles, discusses the technical bases of sample preparation including guidelines for optimization and standardization and demonstrates novel approaches for multiplexed analysis. Participants will gain hands-on experience by analyzing listmode files of real cases from clinical and experimental settings in an expert-guided environment. Level: Advanced.	
09.15-09.45	<b>Basic concepts and technological challenges in the analysis of microparticles: Current guidelines</b> José-Enrique O'Connor (Valencia, ES)	
09.45-10.30	<b>Exosomes and Microparticles: Results and Troubleshooting in a Cellular Biology Lab</b> Barbara Canonico (Urbino, IT)	
10.30-11.00	Coffee break	
11.00-11.45	<b>Multiplexed analysis of microvesicles in clinical and experimental settings</b> Alberto Álvarez-Barrientos (Badajoz, ES)	
11.45-12.30	<b>Setup, optimization and interpretation of microparticle analysis as exemplified by real data files and available software</b>	

Wednesday 18 September 2019 - Pre-conference programme - continued

<b>09.00-12.30</b>	<b>TRAINING COURSE C: FLOW CYTOMETRY TOOLS</b>	<b>WERENSKJOLD</b>
	Organiser: Sonia Gavasso (Bergen, NO)	
	In the first part of this course we will give an overview on ESCCABase, a web based tool that can be used for file repository, for remote training and education in Cytometry. In the second part participants will be introduced to several clustering algorithms for high content data analysis. After covering a number of flow cytometry data analysis strategies, each participant will analyze a dataset in R using their own computer. Example scripts will be in steps to help move the process forward.	
	Level: Basic.	
	<i>For the R introduction analyzing, it is required to bring your own laptop with you!</i>	
09.00-09.05	<b>Welcome</b> by the organiser Sonia Gavasso (Bergen, NO)	
09.05-10.10	<b>ESCCABase: from simple Flow Cytometry File Repository to full-fledged Cytometric Education Tool</b> Mario D'Atri and Claudio Ortolani (Urbino, IT)	
10.10-10.30	<b>Introduction to R</b> Nima Aghaeepour (Stanford, CA, USA) and Simeon Mayala (Bergen, NO)	
10.30-11.00	Coffee break	
11.00-11.45	<b>Clustering algorithms for high content data analysis</b> Nima Aghaeepour (Stanford, CA, USA)	
11.45-12.30	<b>Step by step dataset analysis in R</b> Nima Aghaeepour (Stanford, CA, USA) and Simeon Mayala (Bergen, NO)	

<b>09.00-12.30</b>	<b>TRAINING COURSE D: ADVANCED TRAINING COURSE ON CLL MRD</b>	<b>IBSEN</b>
	Organiser: Andy Rawstron (Leeds, UK)	
<b>09.00-12.30</b>	In chronic lymphocytic leukemia (CLL) the level of minimal residual disease (MRD) is a powerful independent predictor of outcome and a key endpoint for clinical trials. MRD is increasingly being applied to routine response assessment with the potential to guide treatment duration with novel agents. In this training course the clinical, biological and regulatory aspects of MRD analysis will be discussed. Participants will gain understanding of the analytical approach to MRD detection with interactive sessions including data analysis and interpretation of real cases.	
	Level: Advanced.	

Wednesday 18 September 2019 - Pre-conference programme - continued

<b>10.00-11.30</b>	<b>WELCOME SESSION FOR FIRST-TIMERS: MEET, GREET &amp; ASK ESCCA</b>	<b>PLENARY ROOM</b>
	This session is aimed at delegates who are new to ESCCA and/or attend the Conference for the first time.	
10.00-10.20	<b>Welcome &amp; Introduction to ESCCA</b> Paula Fernandez (Aarau, CH) - ESCCA President	
10.20-11.30	<b>Meet the Experts &amp; Networking</b> <ul style="list-style-type: none"><li>• <b>Table 1 - Education, Certification and Accreditation</b> Claudio Ortolani (Urbino, IT), Iuri Marinov (Prague, CZ)</li><li>• <b>Table 2 - ESCCA Membership</b> Ulrika Johansson (Bristol, UK), Jordi Petriz (Badalona, ES)</li><li>• <b>Table 3 - Harmonisation</b> Francesco Buccisano (Rome, IT)</li><li>• <b>Table 4 - ESCCABase</b> Mario D'Atri (Urbino, IT)</li><li>• <b>Table 5 - Communication</b> Alexandra Fleva (Thessaloniki, GR)</li></ul>	

<b>10.00-12.00</b>	<b>ESCCA EUROPEAN CYTOMETRY CERTIFICATION EXAMINATION</b>	<b>SONATE</b>
	<i>Restricted to ESCCA members who have pre-registered for the Exam.</i>	

**CONFERENCE PROGRAMME**

<b>14.00-16.10</b>	<b>PLENARY 1</b>	<b>OPENING SESSION</b>	<b>PLENARY ROOM</b>
		Chairs: Paula Fernandez (Aarau, CH), Marianne Enger (Oslo, NO)	
<b>14.00-14.15</b>		<b>WELCOME ADDRESSES</b>	
		<ul style="list-style-type: none"> <li>• Welcome from the ESCCA President: Paula Fernandez (Aarau, CH)</li> <li>• Welcome from the Norwegian Flow Cytometry Society: Marianne Enger (Oslo, NO)</li> </ul>	
<b>14.15-16.00</b>		<b>NEW DEVELOPMENTS IN CYTOMETRY</b>	
14.15-15.00		<b>Mass Cytometry in haematology</b> Bjørn-Tore Gjertsen (Bergen, NO)	
15.00-15.45		<b>Improving cytometry based diagnostics using Artificial Intelligence</b> Yvan Saeys (Ghent, BE)	
<b>15.45-16.10</b>		<b>CLINICAL CYTOMETRY BEST ORIGINAL PAPER AWARD 2018-2019</b> This Award is given for the manuscript published under the Original Article category in Cytometry B that is judged of the highest scientific quality, originality and impact by the Editors and Associate Editors of Clinical Cytometry.  <b>Early recovery of circulating immature B-cells in B-lymphoblastic leukemia patients after CD19-targeted CAR T Cell Therapy: A pitfall for minimal residual disease detection</b> Dalia Salem, Professor of Clinical Pathology, Mansoura University (EG)	

<b>16.10-16.40</b>	<b>ESCCA INDUSTRIAL PARTNER PRESENTATION</b>	<b>PLENARY ROOM</b>
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<b>17.15-19.00</b>	<b>WELCOME RECEPTION hosted by the City of Bergen</b>
17.15	Departure shuttle buses
18.00-19.00	Welcome Reception in the Håkonshalle
19.00-22.00	Free time in the city centre of Bergen
22.00 and 22.30	Bus to the Edvard Grieg hotel and Comfort Bergen Airport hotel
	<b>PLEASE TAKE YOUR TICKETS WITH YOU.</b>
	<i>Maximum 350 delegates. Delegates who have not been able to get a ticket are welcome to take the same bus to the city centre and explore Bergen on their own. Same bus back to the hotels as mentioned above.</i>

Time	Session #	Session	Meeting room
<b>09.00-10.30</b>		<b>Parallel sessions</b>	
	PAR-01	Clinical Cytometry – Basics	Bjørnson
	PAR-02	Advanced Hematology-Oncology: Tissue flow cytometry	Plenary room
	PAR-03	Immunology: Immunophenotyping in clinical immunology	Ibsen
<b>10.30-11.15</b>		<b>Break – Posters viewing – Exhibition</b>	
<b>11.15-12.00</b>	PLE-02	<b>Keynote Lecture</b>	Plenary room
<b>12.00-12.30</b>		<b>ESCCA Industrial Partner Presentation</b>	Plenary room
<b>12.30-14.00</b>		<b>Lunch break – Posters viewing – Exhibition</b>	
<b>14.00-15.30</b>		<b>Parallel sessions</b>	
	PAR-04	Clinical Cytometry – Basics	Bjørnson
	PAR-05	Advanced Hematology-Oncology: T Lymphoproliferative Disorders	Plenary room
	PAR-06	Immunology: Immunotherapy and immune monitoring	Ibsen
<b>15.30-16.00</b>		<b>Break – Posters viewing – Exhibition</b>	
<b>16.00-17.30</b>		<b>Oral Presentations &amp; Poster Flash Presentations</b>	
	OPP-01	Hematology-Oncology	Bjørnson
	OPP-02	Hematology-Oncology	Plenary room
	OPP-03	Advances in cytometry	Ibsen
<b>17.30-18.30</b>		<b>Main sponsor activities</b>	See website - Sponsor Lectures page
<b>17.45-19.00</b>		<b>ESCCA General Assembly</b>	

<b>09.00-10.30</b>	<b>PAR-01</b>	<b>CLINICAL CYTOMETRY – BASICS</b>	<b>BJØRNSON</b>
		Chairs: Paula Fernandez (Aarau, CH), Frank Preijers (Nijmegen, NL)	
09.00-10.30		<b>Pre-analytical procedures</b> Frank Preijers (Nijmegen, NL) and Paula Fernandez (Aarau, CH)	

<b>09.00-10.30</b>	<b>PAR-02</b>	<b>ADVANCED HEMATOLOGY-ONCOLOGY: TISSUE FLOW-CYTOMETRY</b>	<b>PLENARY ROOM</b>
		Chairs: Francesco Buccisano (Rome, IT), Ulrika Johansson (Bristol, UK)	
09.00-09.45		<b>Diagnostic immunophenotyping of B-cell Lymphomas on lymph node cell suspensions and FNA: much more in less time</b> Massimo Geuna (Turin, IT)	
09.45-10.30		<b>CNS</b> Maria Ilaria Del Principe (Rome, IT)	

<b>09.00-10.30</b>	<b>PAR-03</b>	<b>IMMUNOLOGY: IMMUNOPHENOTYPING IN CLINICAL IMMUNOLOGY</b>	<b>IBSEN</b>
		Chairs: Silvia Della Bella (Milan, IT), Sonia Gavasso (Bergen, NO)	
09.00-09.15		<b>Pre-analytical issues in a Flow Cytometry lab</b> Alexandra Fleva (Thessaloniki, GR)	
09.15-09.45		<b>T lymphocytes in sickness and in health</b> Alexandra Fleva (Thessaloniki, GR)	
09.45-10.30		<b>Multomics analysis of the immune system adaptations during pregnancy</b> Nima Aghaeepour (Stanford, CA, USA)	

**10.30-11.15**                      **BREAK – EXHIBITION – POSTER VIEWING**

<b>11.15-12.00</b>	<b>PLENARY 2</b>	<b>KEYNOTE LECTURE</b>	<b>PLENARY ROOM</b>
		Chair: Paula Fernandez (Aarau, CH)	
11.15-12.00		<b>The Flow Cytometry Laboratory: reality and perspectives</b> Katherina Psarra (Athens, GR)	

<b>12.00-12.30</b>		<b>ESCCA INDUSTRIAL PARTNER PRESENTATION</b>	<b>PLENARY ROOM</b>
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**12.30-14.00**                      **LUNCH BREAK – EXHIBITION – POSTER VIEWING**

<b>14.00-15.30</b>	<b>PAR-04</b>	<b>CLINICAL CYTOMETRY – BASICS</b>	<b>BJØRNSON</b>
		Chairs: Jordi Petriz (Barcelona, ES), Frank Preijers (Nijmegen, NL)	
14.00-15.30		<b>Analytical procedures</b> Charlotte Petersen (Aarhus, DK)	
<b>14.00-15.30</b>	<b>PAR-05</b>	<b>ADVANCED HEMATOLOGY-ONCOLOGY: T LYMPHOPROLIFERATIVE DISORDERS</b>	<b>PLENARY ROOM</b>
		Chairs: Francesco Buccisano (Rome, IT), Ulrika Johansson (Bristol, UK)	
14.00-14.45		<b>Sézary Syndrome</b> Pedro Horna (Rochester, MN, USA)	
14.45-15.30		<b>How to approach non-cutaneous T-cell lymphoproliferative disorders by flow cytometry</b> Neus Villamor (Barcelona, ES)	
<b>14.00-15.30</b>	<b>PAR-06</b>	<b>IMMUNOLOGY: IMMUNOTHERAPY AND IMMUNE MONITORING</b>	<b>IBSEN</b>
		Chairs: Silvia Della Bella (Milan, IT), Marianne Enger (Oslo, NO)	
14.00-14.45		<b>B cell monitoring during anti-B treatment in autoimmune diseases</b> Bruno Brando (Legnano, IT)	
14.45-15.30		<b>Dendritic cells in autoimmune diseases</b> Silke Appel (Bergen, NO)	
<b>15.30-16.00</b>		<b>BREAK – EXHIBITION – POSTER VIEWING</b>	



16.00-17.30	OPP-01	<b>HEMATOLOGY-ONCOLOGY: ORAL PRESENTATIONS (OP) – POSTER FLASH PRESENTATIONS (PFP)</b>	<b>BJØRNSON</b>
		Chairs: Stefano Papa (Urbino, IT), Jordi Petriz (Barcelona, ES)	
16.00-16.15	OP-01	<b>A proposed novel monocyte subpopulations redefinition, adding CD300e to CD14 and CD16. Evaluation in a wide variety of clinical samples</b> Georgios Paterakis (Athens, GR)	
16.15-16.30	OP-02	<b>Evaluating clinical utility of new immunophenotypic markers in determination of minimal residual disease (MRD) in childhood acute myeloid leukemia (AML)</b> Surbhi Lahoti (Mumbai, IN)	
16.30-16.45	OP-03	<b>Mixed-phenotype acute leukemia: disease markers and clinical outcome. A single institution experience</b> Vasiliki Douka (Thessaloniki, GR)	
16.45-17.00	OP-04	<b>A standardised, reproducible flow-cytometric panel and scoring-system to discriminate patients with aplastic anemia from MDS and reactive causes of cytopenia</b> Jan Dirks (Basel, CH)	
17.00-17.05	PFP-01 HEM-22*	<b>Evaluation of myelodysplastic syndromes by flow cytometry. Experience of a center</b> Lucía Fernández Rocca (Montevideo, UY)	
17.05-17.10	PFP-02 HEM-26*	<b>Comparative evaluation of mast cell detection methods in the bone marrow of patients with myelodysplastic syndromes</b> Zsuzsanna Hevessy (Debrecen, HU)	
17.10-17.15	PFP-03 HEM-10*	<b>Eosinophilia and flow cytometry (FC) related studies: a Spanish multicentre experience</b> Ana Yeguas (Salamanca, ES)	
17.15-17.20	PFP-04 HEM-05*	<b>Validation of a10-color 21-monoclonal antibody screening panel for multi-parametric diagnostic Immunophenotyping</b> Erik Huys (Nijmegen, NL)	
17.20-17.25	PFP-05 HEM-32*	<b>Immunophenotyping features in specific genetic subgroups with FLT3-ITD and NPM1 mutations in acute myeloid leukemias</b> Horia Bumbea (Bucharest, RO)	
17.25-17.30	PFP-06 HEM-03*	<b>Identification of high risk immunophenotypic profile correlating with primary induction failure, shorter overall and disease-free survival in NPM1-mutated AML</b> Sara Bencini (Florence, IT)	

\* Poster (board) number

16.00-17.30	OPP-02	<b>HEMATOLOGY-ONCOLOGY: ORAL PRESENTATIONS (OP) - POSTER FLASH PRESENTATIONS (PFP)</b>	<b>PLENARY ROOM</b>
		Chairs: Maria Arrozo (Lisbon, PT), Maryalice Stetler-Stevenson (Bethesda, MD, USA)	
16.00-16.15	OP-05	<b>Normal CD19-negative early B-cell precursors in bone marrow impair flow cytometric MRD-monitoring in childhood B-cell precursor ALL after CD19-targeting treatment</b> Alexander Popov (Moscow, RU)	
16.15-16.30	OP-06	<b>Evaluation of CRLF2 over expression in B cell Acute Lymphoblastic Leukemia and its association with post induction Minimal residual disease.</b> Papagudi Subramanian (Navi Mumbai, IN)	
16.30-16.45	OP-08	<b>Altered immunophenotypes on leukemic and/or monocytic cells from acute myeloid leukemia highly predict for nucleophosmin gene mutation</b> Sergio Matarraz (Salamanca, ES)	
16.45-16.50	PFP-07 HEM-18*	<b>Wide panel screening for new useful markers for MRD monitoring in pediatric BCP-ALL</b> Jan Kulis (Zabrze, PL)	
16.50-16.55	PFP-08 HEM-35*	<b>Candidate White Cell Counting (WCC) Reference Method by Flow Cytometry</b> Vuong Nguyen (Melbourne, AU)	
16.55-17.00	PFP-09 HEM-11*	<b>Flow cytometry challenge for measurable residual disease (MRD) monitoring in B-acute lymphoblastic leukemia (B-ALL) patients receiving targeted immunotherapy (TI)</b> Ana Yeguas (Salamanca, ES)	
17.00-17.05	PFP-10 MISC-08*	<b>Identical clinical performance of the Fetal Cell Count™ kit version IV and III for quantification of Fetomaternal Hemorrhage</b> Kornelis Meijer (Groningen, NL)	
17.05-17.10	PFP-11 HEM-16*	<b>Ambiguous immunophenotypic data in Burkitt lymphoma: rare cases of discrepancies in diagnostics</b> Irina Demina (Moscow, RU)	
17.10-17.15	PFP-12 HEM-19*	<b>Patients with hematogones after allogeneic stem cell transplantation for acute lymphoblastic leukemia show reduced GvHD severity and improved overall survival</b> Vasiliki Douka (Thessaloniki, GR)	
17.15-17.30		<b>Q&amp;A</b>	

\* Poster (board) number

<b>16.00-17.30</b>	<b>OPP-03</b>	<b>ADVANCES IN CYTOMETRY: ORAL PRESENTATIONS (OP) - POSTER FLASH PRESENTATIONS (PFP)</b>	<b>IBSEN</b>
		Chairs: Alfonso Blanco (Dublin, IE), Jan Willem Gratama (Noordeloos, NL)	
16.00-16.15	OP-09	<b>Discrete cell subsets self-generated by unsupervised FlowSOM analysis of normal bone marrow with classical flow cytometry panels</b> Francis Lacombe (Bordeaux, FR)	
16.15-16.30	OP-10	<b>Detection of minimal residual disease by flow cytometry after anti-CD19 blinatumomab treatment</b> Matheus Vescovi Goncalves (São Paulo, BR)	
16.30-16.45	OP-11	<b>Flow cytometric standardization of PAX5 expression and its utility in B-cell lineage assignment in acute leukemias in a clinical setting</b> Prashant Korde (Navi Mumbai, IN)	
16.45-17.00	OP-12	<b>Comparison of Kaluza<sup>®</sup> and Infinicyt<sup>®</sup> softwares for the detection of MRD in the follow-up of B-cell progenitor acute lymphoblastic leukemia</b> Nathalie Ghorra (Brussels, BE)	
17.00-17.05	PFP-13 MISC-09*	<b>Comparison of cell counting methods: Standard Hematology Analyzer versus Volumetric Cell Counting Flow Cytometry</b> Rodrigo Barroso (São Paulo, BR)	
17.05-17.10	PFP-14 MISC-06*	<b>Proficiency testing of Paroxysmal Nocturnal Haemoglobinuria (PNH) using electronic data files</b> Liam Whitby (Sheffield, UK)	
17.10-17.15	PFP-16 ADV-17*	<b>EuroFlow-guided comparative evaluation of technical features and performance of newly-available high-end cytometers for leukocyte immunophenotyping</b> Fenna de Bie (Leiden, NL)	
17.15-17.20	PFP-17 ADV-07*	<b>Development of a dried-down, multicolor reagent solution for enhanced flow-cytometric applications</b> Elena Afonina (San Jose, US)	
17.20-17.25	PFP-18 ADV-19*	<b>Automation of workflow in a clinical laboratory: Integration of Pre-analytical set-up using the BDFACSDuet™ and analysis on the BDFACSLytic™ cytometer</b> Chris Scott (London, UK)	
17.25-17.30		<b>Q&amp;A</b>	

\* Poster (board) number

<b>17.30-18.30</b>	<b>MAIN SPONSORS' ACTIVITIES</b>
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<b>17.45-19.00</b>	<b>ESCCA GENERAL ASSEMBLY</b>	<b>BJØRNSON</b>
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Time	Session #	Session	Meeting room
09.00-10.30		<b>Parallel sessions</b>	
	PAR-07	Clinical Cytometry – Basics	<b>Bjørnson</b>
	PAR-08	Advanced Hematology-Oncology: Rules in rare events acquisition	<b>Plenary room</b>
	PAR-09	Immunology: Immunotherapy and immune monitoring	<b>Ibsen</b>
10.30-11.00		<b>Break - Posters viewing - Exhibition</b>	
11.00-11.20		<b>Corporate Lecture</b>	<b>Plenary room</b>
11.20-12.20	PLE-03	<b>New therapeutic approaches and their challenges for flow monitoring</b>	<b>Plenary room</b>
12.20-13.45		<b>Lunch break - Posters viewing - Exhibition</b>	
13.45-14.50		<b>Oral Presentations &amp; Poster Flash Presentations</b>	
	OPP-04	Hematology-oncology	<b>Bjørnson</b>
	OPP-05	Hematology-oncology	<b>Plenary room</b>
	OPP-06	Immunology	<b>Ibsen</b>
14.50-15.15		<b>Break - Posters viewing - Exhibition</b>	
15.15-16.45		<b>Parallel sessions</b>	
	PAR-10	Clinical Cytometry – Basics	<b>Bjørnson</b>
	PAR-11	Advanced Hematology-Oncology: MRD in AML	<b>Plenary room</b>
	PAR-12	Immunology: Tissue-specific immunology	<b>Ibsen</b>
17.45-23.00		<b>Conference Dinner: Seafood in the Fjords – Boat trip and Seafood Tasting Experience</b>  <i>Fully booked. Bring your ticket with you!</i>	

<b>09.00-10.30</b>	<b>PAR-07</b>	<b>CLINICAL CYTOMETRY - BASICS</b>	<b>BJØRNSON</b>
		Chairs: Paula Fernandez (Aarau, CH), Frank Preijers (Nijmegen, NL)	
09.00-10.30		<b>Practical applications:</b> <b>Infinicyt and Kaluza, tools for clinical and advanced analysis of FCM data</b>	

<b>09.00-10.30</b>	<b>PAR-08</b>	<b>ADVANCED HEMATOLOGY-ONCOLOGY: RULES IN RARE EVENTS ACQUISITION</b>	<b>PLENARY ROOM</b>
		Chairs: Francesco Buccisano (Rome, IT), Ulrika Johansson (Bristol, UK)	
09.00-09.30		<b>Overview</b> Bruno Brando (Legnano, IT)	
09.30-10.00		<b>MM MRD</b> Ruth de Tute (Leeds, UK)	
10.00-10.30		<b>CLL MRD</b> Neil McIver-Brown (Bournemouth, UK)	

<b>09.00-10.30</b>	<b>PAR-09</b>	<b>IMMUNOLOGY: IMMUNOTHERAPY AND IMMUNE MONITORING</b>	<b>IBSEN</b>
		Chairs: Alexandra Fleva (Thessaloniki, GR), Charlotte Petersen (Aarhus, DK)	
09.00-09.45		<b>Immune monitoring of patients with multiple sclerosis</b> Katherina Psarra (Athens, GR)	
09.45-10.30		<b>T cell monitoring through HLA-peptide multimer staining</b> Willemijn Hobo (Nijmegen, NL)	

**10.30-11.00**                      **BREAK - EXHIBITION - POSTER VIEWING**

<b>11.00-11.20</b>		<b>CORPORATE LECTURE</b>	<b>PLENARY ROOM</b>
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<b>11.20-12.20</b>	<b>PLENARY 3</b>	<b>NEW THERAPEUTIC APPROACHES AND THEIR CHALLENGES FOR FLOW MONITORING</b>	<b>PLENARY ROOM</b>
		Chairs: Francesco Buccisano (Rome, IT), Bruno Brando (Legnano, IT)	
11.20-12.05		<b>New therapeutic approaches and their challenges for flow monitoring</b> Concetta Quintarelli (Rome, IT)	
12.05-12.20		<b>Q&amp;A session</b>	

**12.20-13.45**                      **LUNCH BREAK - EXHIBITION - POSTER VIEWING**

13.45-14.50	OPP-04	<b>HEMATOLOGY-ONCOLOGY: ORAL PRESENTATIONS (OP) - POSTER FLASH PRESENTATIONS (PFP)</b>	<b>BJØRNSON</b>
		Chairs: Stefano Papa (Urbino, IT), Jordi Petriz (Barcelona, ES)	
13.45-14.00	OP-13	<b>A single tube to screen for both plasma cell dyscrasias and leukemia/lymphoma in the presence of monoclonal gammopathy</b> Maria João Acosta (Lisbon, PT)	
14.00-14.15	OP-14	<b>Single platform quantitative analysis of circulating plasma cells and lymphocytes in patients affected by Multiple Myeloma, MGUS and Smoldering Myeloma</b> Raffaella Milani (Milan, IT)	
14.15-14.30	OP-15	<b>Plasma cell multiparametric flowcytometric identification in Lymphoplasmacytic Lymphoma, demonstrates characteristic antigen expression profile contributes in diagnosis evaluation and patients' monitoring</b> Efthalia Yiannaki (Thessaloniki, GR)	
14.30-14.35	PFP-19 HEM-29*	<b>Multiple myeloma minimal residual disease detection in stem cell apheresis product</b> Felipe Magalhaes Furtado (Brasilia, BR)	
14.35-14.40	PFP-20 HEM-02*	<b>MRD detection in Mantle cell Lymphoma using multicolour Flow cytometry in a clinical Laboratory setting</b> David O'Brien (Dublin, IE)	
14.40-14.45	PFP-21 HEM-09*	<b>Radar plots facilitate quick evaluation of the lymphoid cell compartment using 10-color 15-antibody panel</b> Filippa Bild (Lund, SE)	
14.45-14.50	PFP-22 HEM-12*	<b>Optimization and evaluation of a 10-color antibody panel for flow cytometric immunophenotyping of B-cell lymphomas</b> Simon Bucek (Ljubljana, SI)	

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13.45-14.50	OPP-05	<b>HEMATOLOGY-ONCOLOGY: ORAL PRESENTATIONS (OP) - POSTER FLASH PRESENTATIONS (PFP)</b>	<b>PLENARY ROOM</b>
Chairs: Enrique O'Connor (Valencia, ES), Maria Arroz (Lisbon, PT)			
13.45-14.00	OP-16	<b>Study of the expression pattern of CD147 (EMMPRIN) in multiple myeloma using multicolor flow cytometry</b> Sitaram Ghogale (Navi Mumbai, IN)	
14.00-14.15	OP-17	<b>The flow cytometric approach seems not to discriminate double hit lymphomas from Burkitt or high-grade B-cell lymphomas with MYC translocations</b> Nikolaos J. Tsagarakis (Athens, GR)	
14.15-14.30	OP-18	<b>The advantage of using multidimensional dot-plots in the diagnosis of acute promyelocytic leukemia and B-cell chronic lymphoproliferative disorders</b> Bettina Kárai (Debrecen, HU)	
14.30-14.35	PFP-23 HEM-06*	<b>Comparison of anti-Kappa and Lambda light chains antibodies from Dako and Beckman Coulter</b> Lucille Lasalle (Marseille, FR)	
14.35-14.40	PFP-24 HEM-20*	<b>PTCL-NOS with leukemic presentation resembling Sézary syndrome: a case report</b> Vasiliki Douka (Thessaloniki, GR)	
14.40-14.45	PFP-25 HEM-04*	<b>Hepatosplenic T cell Lymphoma. Role of flow cytometric immunophenotyping</b> Khaliqur Rahman (Lucknow, IN)	
14.45-14.50	PFP-26 HEM-15*	<b>Metastatic lobular carcinoma of the Breast presenting as myeloma - a potential pitfall in CD138 immunoreactivity in non-haemopoetic disease</b> Timothy Milne (London, UK)	

<b>13.45-14.50</b>	<b>OPP-06</b>	<b>IMMUNOLOGY: ORAL PRESENTATIONS (OP) - POSTER FLASH PRESENTATIONS (PFP)</b>	<b>IBSEN</b>
		Chairs: Alfonso Blanco (Dublin, IE), Charlotte Christie Petersen (Aarhus, DK)	
13.45-14.00	OP-19	<b>15 parameter 13-color flow cytometric assay for detailed immune cell profiling in post allogenic bone marrow transplant immune reconstitution studies</b> Devasis Panda (Navi Mumbai, IN)	
14.00-14.15	OP-20	<b>Simple adaptation of the Basophil Activation Test to the Euroflow staining and instrument settings improves identification of basophils</b> Muriel van Schilfgaarde (Amsterdam, NL)	
14.15-14.30	OP-21	<b>LOU064 - a highly selective, potent covalent oral BTK inhibitor with a promising pharmacodynamic efficacy in healthy volunteers studies</b> Maciej Cabanski (Basel, CH)	
14.30-14.35	PFP-27 IMM-09*	<b>Increased CD27+ Memory B-Cells in Poor Responder Rheumatoid Arthritis Patients Treated with Rituximab</b> Arianna Gatti (Legnano, IT)	
14.35-14.40	PFP-28 IMM-07*	<b>Detection of antigen-specific CD4+ T cells by flow cytometry using a whole blood assay</b> Rik Brooimans (Rotterdam, NL)	
14.40-14.45	PFP-30 MISC-04*	<b>The effect of TNF-<math>\alpha</math> on diabetic dendritic cells derived from bone marrow. An in vivo study</b> Luisa Sambado (Treviso, IT)	
14.40-14.50		<b>Q&amp;A</b>	

**14.50-15.15 BREAK - EXHIBITION - POSTER VIEWING**

<b>15.15-16.45</b>	<b>PAR-10</b>	<b>CLINICAL CYTOMETRY</b>	<b>BJØRNSON</b>
		Chairs: Iuri Marinov (Prague, CZ), Claudio Ortolani (Urbino, IT)	
15.15-16.00		<b>B-ALL - Recommended approaches for diagnosis and MRD follow-up by FCM</b> Michael Dworzak (Vienna, AT)	
16.00-16.45		<b>Flow cytometry in the diagnostic work-up of MDS-recommended approaches</b> Marisa Westers (Amsterdam, NL)	

<b>15.15-16.45</b>	<b>PAR-11</b>	<b>ADVANCED HEMATOLOGY-ONCOLOGY: MRD in AML</b>	<b>PLENARY ROOM</b>
		Chairs: Francesco Buccisano (Rome, IT), Ulrika Johansson (Bristol, UK)	
15.15-15.45		<b>ELN consensus summary</b> Francesco Buccisano (Rome, IT)	
15.45-16.15		<b>Gating strategies in AML-MRD</b> Sylvie Freeman (Birmingham, UK), Francesco Buccisano (Rome, IT), Jacqueline Cloos (Amsterdam, NL)	
16.15-16.45		<b>Special populations and their role in MRD</b> Jacqueline Cloos (Amsterdam, NL)	

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15.15-16.45	PAR-12	<b>IMMUNOLOGY: TISSUE-SPECIFIC IMMUNITY</b>	<b>IBSEN</b>
		Chairs: Silvia Della Bella (Milan, IT), Charlotte Petersen (Aarhus, DK)	
15.15-16.00		<b>Characterization of blood and gut T cells in HIV+ patients</b> Kristina Berg Lorvik (Oslo, NO)	
16.00-16.45		<b>Lymphocyte subsets in Bronchoalveolar Lavage (BAL)</b> Massimo Geuna (Turin, IT)	

<b>17.45-23.00</b>		<b>CONFERENCE DINNER: Seafood in the Fjords – Boat trip and Seafood Tasting Experience</b>	
		<i>Pre-registration required, a fee applies.</i>	
		<b>PLEASE TAKE YOUR TICKETS WITH YOU. Admission to the boat with a ticket only.</b>	
17.45-18.00		Departure by bus from the Edvard Grieg hotel to Bryggen harbour & transfer by boat to Cornelius Restaurant <i>Note: The Restaurant is located on an island and cannot be reached any other way, so make sure to be in time for the bus departure!</i>	
19.00-22.00		Seafood Tasting Experience	
22.00-23.00		Return by boat to Bryggen harbour & bus to Edvard Grieg & Bergen Comfort Hotel	
		<i>Delegates who have not been able to get a ticket for the Conference Dinner are welcome to take the same bus to the city centre. Same bus back to the hotels as mentioned above. Consult the departure times back to the hotel in the bus schedule leaflet you received in your delegate bag.</i>	

Time	Session #	Session	Meeting room
09.00-10.30	PLE-04	Interesting cases with interactive voting	Plenary room
10.30-11.00		Break - Posters viewing - Exhibition	
11.00-12.00		Oral Presentations - Poster Flash Presentations	
	OPP-07	Hematology-oncology	Bjørnson
	OPP-08	Hematology-oncology	Plenary room
	OPP-09	Advances in Cytometry	Ibsen
12.00-12.45	PLE-05	Stem cells	Plenary room
12.45-13.00		ESCCA Awards Session	Plenary room
13.00-14.00		Lunch break - Posters viewing - Exhibition	
14.00-15.30		Parallel sessions	
	PAR-13	Clinical Cytometry – Basics	Bjørnson
	PAR-14	Advanced Hematology-Oncology: Flow-cytometry pitfalls in the era of immunotherapy	Plenary room
	PAR-15	Immunology: Functional assays	Ibsen

<b>09.00-10.30</b>	<b>PLENARY 4</b>	<b>INTERESTING CASES WITH INTERACTIVE VOTING</b>	<b>PLENARY ROOM</b>
		Chairs: Maria Arrozo (Lisbon, PT), Iuri Marinov (Prague, CZ)	
		In this session a series of clinical cases will be presented. Together with the presenter these cases will be actively reviewed by the delegates through interactive voting via mobile phone.	
09.00-09.20		<b>A New Daratumumab Dilemma</b> Maryalice Stetler-Stevenson (Bethesda, MD, USA)	
09.20-09.40		<b>Immune profile of a patient with leptospirosis</b> Katherina Psarra (Athens, GR)	
09.40-10.00		<b>A Hair-Raising Scenario</b> Neil McIver-Brown (Bournemouth, UK)	
10.00-10.20		<b>The good and the bad</b> Bruno Brando (Legnano, IT)	
10.20-10.30		<b>Q&amp;A</b>	

**10.30-11.00****COFFEE BREAK - EXHIBITION - POSTER VIEWING**

<b>11.00-12.00</b>	<b>OPP-07</b>	<b>HEMATOLOGY-ONCOLOGY: ORAL PRESENTATIONS (OP) - POSTER FLASH PRESENTATIONS (PFP)</b>	<b>BJØRNSON</b>
		Chairs: Stefano Papa (Urbino, IT), Jordi Petriz (Barcelona, ES)	
11.00-11.15	OP-22	<b>Causes and diagnosis of CD3+CD4-CD8- double-negative (DN) T-cell lymphocytosis in adults and children</b> Georgios Paterakis (Athens, GR)	
11.15-11.30	OP-23	<b>Normal peripheral blood leukocyte-counts in TCRab-CD8+ LGLL according to the STAT3 mutational status and the presence of bi- vs. monoclonality</b> Noemí Muñoz-García (Salamanca, ES)	
11.30-11.45	OP-24	<b>Co-expression of strong CD38 and homogenous CD10 is a highly useful feature to identify Burkitt lymphoma using multicolor flow cytometry</b> Mousumi Kar (Navi Mumbai, IN)	
11.45-11.50	PFP-31 IMM-08*	<b>Myeloid-derived suppressor cells and cancer: identification and quantification in peripheral blood samples</b> Carlos Palmeira (Porto, PT)	
11.50-11.55	PFP-32 ADV-14*	<b>Precision Evaluation of the BD OneFlow™ Tubes on the BD FACSLytic™</b> Ahsan Iqbal (San Jose, US)	
11.55-12.00	PFP-33 ADV-12*	<b>Evaluation of BD OneFlow™ reagents on BD FACSLytic™ to BD FACSCanto™II system for immunophenotyping of leukemia and lymphoma</b> Ahsan Iqbal (San Jose, US)	

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11.00-12.00	OPP-08	<b>HEMATOLOGY-ONCOLOGY: ORAL PRESENTATIONS (OP) - POSTER FLASH PRESENTATIONS (PFP)</b>	<b>PLENARY ROOM</b>
		Chairs: Enrique O'Connor (Valencia, ES), Maria Arroz (Lisbon, PT)	
11.00-11.15	OP-25	<b>Flow cytometry application in Hemostasis: Flow Cytometric Analysis of Platelet Activation and Immune-mediated Platelet Disorders. Basic and Clinical Application</b> Aaron Tomer (Beer-sheva, IL)	
11.15-11.30	OP-26	<b>Detection of circulating tumor cells using highly-sensitive flow cytometry can replace the painful bone-marrow biopsy in the clinical-staging of neuroblastoma.</b> Prashant Tembhare (Navi Mumbai, IN)	
11.30-11.45	OP-27	<b>Differential alkaline phosphatase activity in CD34+ hematopoietic stem cells as a potential predictor of engraftment</b> Laura G. Rico (Badalona, ES)	
11.45-11.50	PFP-34 HEM-21*	<b>Factors determining whether diffuse large B cell lymphoma samples are detected by flow cytometry</b> William Sewell (Darlinghurst NSW, AU)	
11.50-11.55	PFP-35 ADV-03*	<b>Detection of minimal residual disease in chronic lymphocytic leukemia using t-SNE</b> Felipe Magalhaes Furtado (Brasilia, BR)	
11.55-12.00	PFP-36 ADV-22*	<b>Demonstration of Equivalence between OneFlow-specific tube settings on the BD FACSLyri™ compared to OneFlow setup on the BD FACSCanto II™</b> Barry Emerson (Limerick, IE)	

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<b>11.00-12.00</b>	<b>OPP-09</b>	<b>ADVANCES IN CYTOMETRY: ORAL PRESENTATIONS (OP) - POSTER FLASH PRESENTATIONS (PFP)</b>	<b>IBSEN</b>
		Chairs: Alfonso Blanco (Dublin, IE), Jan Willem Gratama (Noordeloos, NL)	
11.00-11.15	OP-28	<b>Flow cell sorting followed by donor chimerism evaluation is an easy-to-perform tool for MRD verification in patients after allogeneic HSCT</b> Alexandra Semchenkova (Moscow, RU)	
11.15-11.30	OP-29	<b>Characterization of microvesicles, exosomes and friends using multiple scatter combinations</b> Alfonso Blanco (Dublin, IE)	
11.30-11.35	PFP-37 ADV-18*	<b>Factors influencing kappa/lambda identification by flow cytometry</b> Matheus Vescovi Goncalves (São Paulo, BR)	
11.35-11.40	PFP-38 ADV-08*	<b>IL7 receptor (CD127) expression on blast cells in patients with Acute leukemia</b> Ekaterina Zakharko (Moscow, RU)	
11.40-11.45	PFP-39 ADV-16*	<b>Challenges and Advances in Evaluation of Vitreous Humor by Flow Cytometry</b> Rodrigo Barroso (São Paulo, Brazil)	
11.45-12.00		<b>Q&amp;A</b>	

<b>12.00-12.45</b>	<b>PLENARY 5</b>	<b>STEM CELLS</b>	<b>PLENARY ROOM</b>
		Chairs: Sonia Gavasso (Bergen, NO), Ulrika Johansson (Bristol, UK)	
12.00-12.45		<b>Stem cells</b> Simón Méndez-Ferrer (Cambridge, UK)	

<b>12.45-13.00</b>		<b>ESCCA AWARDS SESSION</b>	<b>PLENARY ROOM</b>
		Chair: Paula Fernandez (Aarau, CH)	
		<b>ESCCA Best Oral Abstract &amp; Best Poster Presentation Awards</b>	
		<b>Presentation of ESCCA 2020</b>	
		<b>Exhibition Raffle prize drawing</b>	
		<b>Final remarks</b>	

**13.00-14.00** **LUNCH BREAK - EXHIBITION - POSTER VIEWING**

\* Poster (board) number

<b>14.00-15.30</b>	<b>PAR-13</b>	<b>CLINICAL CYTOMETRY</b>	<b>BJØRNSON</b>
		Chairs: Katherina Psarra (Athens, GR), Frank Preijers (Nijmegen, NL)	
14.00-14.45		<b>International Guidelines for the Diagnosis and Follow-up of Sézary Syndrome/Mycosis fungoides in peripheral blood</b> Pedro Horna (Rochester, MN USA)	
14.45-15.30		<b>Consensus guidelines for GPI-AP deficiency testing by high sensitivity flow cytometry</b> Iuri Marinov (Prague, CZ)	

<b>14.00-15.30</b>	<b>PAR-14</b>	<b>ADVANCED HEMATOLOGY-ONCOLOGY: FLOW-CYTOMETRY PITFALLS IN THE ERA OF IMMUNOTHERAPY</b>	<b>PLENARY ROOM</b>
		Chairs: Francesco Buccisano (Rome, IT), Ulrika Johansson (Bristol, UK)	
14.00-14.45		<b>Myeloma: daratumumab</b> Ruth de Tute (Leeds, UK)	
14.45-15.30		<b>ALL: inotuzumab/ blinatumomab</b> Maryalice Stetler-Stevenson (Bethesda, MD, USA)	

<b>14.00-15.30</b>	<b>PAR-15</b>	<b>IMMUNOLOGY: FUNCTIONAL ASSAYS</b>	<b>IBSEN</b>
		Chairs: Alexandra Fleva (Thessaloniki, GR), Sonia Gavasso (Bergen, NO)	
14.00-14.45		<b>Phosphoflow</b> Jørn Skavland (Bergen, NO)	
14.45-15.30		<b>Degranulation assays</b> Genny Del Zotto (Genova, IT)	

End of Conference