

**Divani Caravel
Athens / Greece**

**15 - 18 October
2023**

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**International Cytokine &
Interferon Society • ICIS**

**Cytokines and interferons
in the precision medicine era**

Program Chair:

Evangelos Andreakos,
Biomedical Research Foundation,
Academy of Athens

Co-Chair:

George Pavlakis,
National Cancer Institute, National
Institutes of Health

**FINAL
PROGRAM**



Comprehensive inflammatory protein panels for deeper biological insights

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Date: Monday 16th October 2023

Time: 12:40 PM - 1:40 PM EET

Room: Ilissos

Title: “Immuno-oncology protein biomarkers panels provide greater biological insights and improved patient stratification”



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Olink® Signature Q100 qPCR

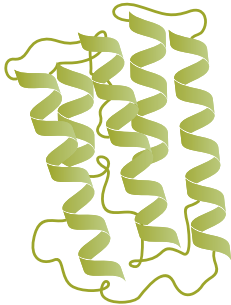
Run Olink® Target and Flex assays with qPCR readout inhouse with the Olink® Signature Q100 benchtop instrument.



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- We dedicate more than 10% of our annual turnover to R&D
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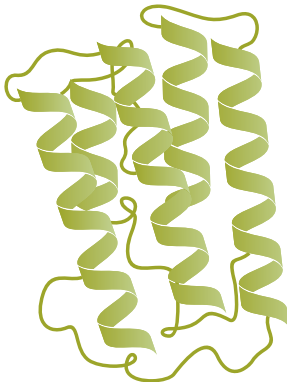
Michaela Muller-Trutwin, *Institut Pasteur, Paris, France*

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Akinori Takaoka, *Institute for Genetic Medicine, Hokkaido University, Sapporo, Japan*

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Andreas Wack, PhD
The Francis Crick Institute, London, UK



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We create 900 direct and 3,700 indirect new job positions and contribute to the increase of GDP by €1.3 billion*

We are a leading Greek pharma company.
We are evolving to a global force in pharmaceuticals.

Always Forward.



*Foundation for Economic & Industrial Research Report 2020



Andrea Ablasser, *École Polytechnique Fédérale de Lausanne, Switzerland*

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Sergei Kotenko, *Rutgers New Jersey Medical School, USA*

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Claudia Mauri, *University College London, UK*

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Anne O'Garra, *The Francis Crick Institute, UK*

Luke A. O'Neill, *Trinity College Dublin, Ireland*

Afam Okoye, *Oregon Health & Science University, USA*

Virginia Pascual, *Weill Cornell Medical College, New York, USA*

George Pavlakis, *National Institutes of Health, USA*

Aaron Ring, *Yale School of Medicine, USA*

Alexander Rudensky, *Memorial Sloan Kettering Cancer Center, USA*

Federica Sallusto, *Institute for Research in Biomedicine, Bellinzona, Switzerland*

Savvas Savvides, *VIB Center for Inflammation Research, Belgium*

Rafick-Pierre Sékaly, *Winship Cancer Institute, Emory University, USA*

Irini Sereti, *National Institutes of Health, USA*

Richard Siegel, *Novartis Institutes for BioMedical Research, USA*

Dimitris Skokos, *Regeneron, USA*

Vassili Soumelis, *Hopital St Louis and Owkin, France*

Roxane Tussiwand, *NIH/NIDCR, Bethesda, USA*

Sophie Ugolini, *French National Institute for Health and Medical Research (INSERM) & Neural Regulation of Immunity laboratory at the Marseille-Luminy Immunology Centre (CIML), France*

Andreas Wack, *Francis Crick, UK*

George Yancopoulos, *Regeneron, USA*

Christina E. Zielinski, *Leibniz-Institut für Naturstoff-Forschung und Infektionsbiologie – Hans-Knöll-Institut, Germany*

2023
ICIS Award
Winners

Young Investigator Award Winners

2023 ICIS-Regeneron New Investigator Awards for Excellence in Cytokine & Interferon Research



Edward Chuong, PhD
Assistant Professor
University of Colorado
Boulder, USA



Ruth A. Franklin, PhD
Assistant Professor
Harvard University, USA



Marlies Meisel, PhD
Assistant Professor
University of Pittsburgh, USA



Robert A. Saxton, PhD
Assistant Professor
University of California,
Berkeley, USA

Christina Fleischmann
Young Investigator Award
for Excellence in Cytokine &
Interferon Research

PBL - Sidney & Joan Pestka Graduate &
Post Graduate Awards for Excellence
in Cytokine & Interferon Research –
sponsored by PBL Assay Science

Sponsored by



Amanda Proudfoot
Tribute Award Winner for
Advances in Chemokine
Biology by a Trainee



Ang Cui, PhD
Member of the Faculty
Harvard University, USA



Post-Graduate
Simone L. Park, PhD
Postdoctoral Research Fellow,
University of Pennsylvania, USA



Graduate
Noémie Alphonse
PhD Student
King's College London, UK



**Chao Yang (Max), PhD,
MSc, BMED**
Assistant Professor, National
Clinical Research, Centre for
Infectious Diseases, China

2023 ICIS-Pfizer Junior Investigator Award Winners at Cytokines 2023



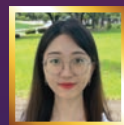
Robert Maples
PhD Student
University of Texas
Southwestern Medical
Center, USA



Iolanda Miceli
MD-PhD Student
Monash University, Australia



Maria Salagianni, PhD
Postdoctoral Research Fellow
Biomedical Research Foundation
Academy of Athens (BRFAA),
Greece



Jihyun Yu
PhD Student
Korea Advanced Institute
of Science and
Technology (KAIST),
Republic of Korea

**2023
ICIS Award
Winners**

Senior & Mid-Career Award Winners

The ICIS-Pfizer Award
for Excellence in Cytokine & Interferon Research



Judy Lieberman, MD, PhD
Professor, Pediatrics, Harvard Medical School

Endowed Chair in Cellular and Molecular Medicine, PCMM, Boston Children's Hospital, Boston, USA



ICIS-BioLegend William E. Paul Award
for Excellence in Cytokine Research



Daniel J. Cua, PhD
Vice President, Immunology, Distinguished Fellow, at the Janssen Research & Development, LLC, USA



ICIS-LUMINEX John R. Kettman Award
for Excellence in Cytokine & Interferon Research



Dusan Bogunovic, PhD
Professor, Director – Center for Inborn Errors of Immunity

Icahn School of Medicine at Mount Sinai, New York, USA



ICIS Mentorship Award



Jacob S. Yount, PhD

Associate Professor, Department of Microbial Infection and Immunity, The Ohio State University, College of Medicine, Columbus, USA

ICIS Honorary Lifetime Membership Award



Daniela Novick, PhD

Weizmann Institute of Science, Department of Molecular Genetics, Rehovot, Israel

ICIS Distinguished Service Award



Brendan J. Jenkins, PhD

Program Head, Tumour Inflammation and Immunotherapy Program, South Australian immunoGENomics Cancer Institute SAiGENCI, The University of Adelaide, Adelaide, South Australia

Jürg Tschopp Memorial Symposium Lecture



Virginia Pascual, M.D.

Gale and Ira Drukier Director of Children's Health Research, Weill Cornell Medical College, New York, USA

Philip I. Marcus Memorial Symposium Lecture



Andreas Wack, PhD

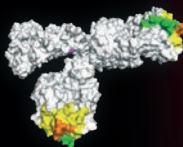
Principal Group Leader, The Francis Crick Institute, London, UK

UNLEASHING THE POTENTIAL OF IMMUNO-ONCOLOGY THERAPIES



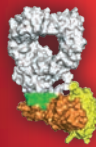
DEVELOPING TUMOR-ACTIVATED MOLECULES DESIGNED TO:

- Localize activation in tumor microenvironment
- Minimize the effects of systemic toxicity
- Enable exploration of IO/IO combinations



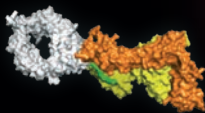
XTX101*

Tumor-Activated
Fc-enhanced anti-CTLA-4



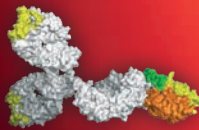
XTX202*

Tumor-Activated,
Beta-Gamma IL-2



XTX301*

Tumor-Activated
IL-12



PD1/IL-2†

Multifunctional Proof
of Concept

**To learn more about Xilio Therapeutics,
visit our website at xiliotx.com**

*XTX101, XTX202, and XTX301 are investigational new drugs that have not been approved for any use by the FDA or other regulatory agency.

†Preclinical program.

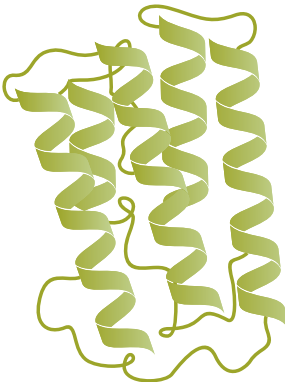
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PROGRAM OVERVIEW DAY 1

Sunday, 15 October







ICIS Annual Meeting		Networking Event	Session Type
Olympia A	Olympia B	Roof Garden Floor	Room
-1	-1	9	Level
Cytokines in the airway infection and inflammation - Sponsored by the Korean Association of Immunologists KAI			15:00-15:15
			15:15-15:30
Coffee Break & Exhibition			15:30-15:45
			15:45-16:00
Opening Session and Awards Ceremony			16:00-16:15
			16:15-16:30
			16:30-16:45
			16:45-17:00
			17:00-17:15
			17:15-17:30
Break/Refreshments			17:30-17:45
			17:45-18:00
Keynote Lecture 1			18:00-18:15
			18:15-18:30
			18:30-18:45
			18:45-19:00
			19:00-19:15
			19:15-19:30
			19:30-19:45
			19:45-20:00
			20:00-20:15
			20:15-20:30
			20:30-20:45
			20:45-21:00
			21:00-21:15
			21:15-21:30
		Welcome Reception	





PROGRAM OVERVIEW DAY 2








Monday, 16 October

Session Type	ICIS Annual Meeting		Exhibition			
Room	Olympia A	Olympia B	Olympia Foyer / Ilissos Foyer			
Level	-1	-1	-1			
08:30-08:45	Plenary 1: Cytokines in precision medicine, targeted diagnosis and treatment 					
08:45-09:00						
09:00-09:15						
09:15-09:30						
09:30-09:45						
09:45-10:00						
10:00-10:15						
10:15-10:30			Coffee Break & Exhibition			
10:30-10:45						
10:45-11:00	Lunch Break & Exhibition					
11:00-11:15			Symposium 1: Macrophages and dendritic cells at the single cell biology era 	Symposium 2: Cytokines in T cell development and function 		
11:15-11:30						
11:30-11:45						
11:45-12:00						
12:00-12:15						
12:15-12:30						
12:30-12:45						
12:45-13:00	Symposium 3: Innate lymphoid cells, heterogeneity and function 					
13:00-13:15			Symposium 4: Immune regulation in autoimmune and rheumatic diseases - Jürg Tschopp Memorial Session			
13:15-13:30						
13:30-13:45						
13:45-14:00						
14:00-14:15						
14:15-14:30						
14:30-14:45						
14:45-15:00						
15:00-15:15	Lightning Talks: Cytokines in infections					
15:15-15:30						
15:30-15:45	Lightning Talks: Cytokines in chronic diseases					
15:45-16:00						
16:00-16:15						
16:15-16:30						
16:30-16:45						
16:45-17:00						
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20:45-21:00						
21:00-21:15						
21:15-21:30						



PROGRAM OVERVIEW DAY 3

Tuesday, 17 October

Session Type	ICIS Annual Meeting		Exhibition
Room	Olympia A	Olympia B	Olympia Foyer / Ilissos Foyer
Level	-1	-1	-1
08:30-08:45	Plenary 2: Lambda interferons at 20 years of age 		
08:45-09:00			
09:00-09:15			
09:15-09:30			
09:30-09:45			
09:45-10:00			
10:00-10:15			
10:15-10:30			
10:30-10:45	Coffee Break & Exhibition		
10:45-11:00	Coffee Break & Exhibition		
11:00-11:15	Symposium 5: Cytokines and interferons in COVID-19 and beyond 	Symposium 6: Targeted Therapies in Cancer & Beyond 	
11:15-11:30			
11:30-11:45			
11:45-12:00			
12:00-12:15			
12:15-12:30			
12:30-12:45	Lunch Break & Exhibition		
12:45-13:00			
13:00-13:15			
13:15-13:30			
13:30-13:45			
13:45-14:00			
14:00-14:15	Symposium 7: Genetics of cytokines 	Symposium 8: Cytokines in mucosal immunity and allergic diseases 	
14:15-14:30			
14:30-14:45			
14:45-15:00			
15:00-15:15	Lightning Talks: Cytokines in immunobiology	Lightning Talks: Novel therapeutics	
15:15-15:30			
15:30-15:45			
15:45-16:00			
16:00-16:15	Coffee Break & Exhibition		
16:15-16:30			
16:30-16:45	Coffee Break & Exhibition		
16:45-17:00	Coffee Break & Exhibition		
17:00-17:15	Symposium 9: Metabolic control of cytokine-mediated inflammation 	Symposium 10: Latest developments and novel therapeutics 	
17:15-17:30			
17:30-17:45			
17:45-18:00			
18:00-18:15			
18:15-18:30			
18:30-18:45			
18:45-19:00			
19:00-19:15			
19:15-19:30			
19:30-19:45			
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20:15-20:30			
20:30-20:45			
20:45-21:00			
21:00-21:15			
21:15-21:30			

PROGRAM OVERVIEW DAY 3

Tuesday, 17 October







Posters	Company Satellite	Networking Event	Session Type
Ilissos Meeting Room	Ilissos Meeting Room	Roof Garden Floor	Room
0	1	9	Level
			08:30-08:45
			08:45-09:00
			09:00-09:15
			09:15-09:30
			09:30-09:45
			09:45-10:00
			10:00-10:15
			10:15-10:30
Coffee Break & Exhibiton			10:30-10:45
			10:45-11:00
			11:00-11:15
			11:15-11:30
			11:30-11:45
			11:45-12:00
			12:00-12:15
			12:15-12:30
			12:30-12:45
			12:45-13:00
Lunch Break & Exhibition	12:40 - 13:40 Owkin Lunch Symposium		13:00-13:15
			13:15-13:30
			13:30-13:45
			13:45-14:00
			14:00-14:15
			14:15-14:30
			14:30-14:45
			14:45-15:00
			15:00-15:15
			15:15-15:30
			15:30-15:45
			15:45-16:00
			16:00-16:15
			16:15-16:30
Coffee Break & Exhibiton			16:30-16:45
			16:45-17:00
			17:00-17:15
			17:15-17:30
			17:30-17:45
			17:45-18:00
			18:00-18:15
			18:15-18:30
			18:30-18:45
			18:45-19:00
POSTER Session 2 - discussions with wine, beer & snacks			19:00-19:15
			19:15-19:30
			19:30-19:45
			19:45-20:00
			20:00-20:15
			20:15-20:30
		Young Investigator Career Networking	20:30-20:45
			20:45-21:00
			21:00-21:15
			21:15-21:30



PROGRAM OVERVIEW DAY 4

Wednesday, 18 October

Session Type	ICIS Annual Meeting		Exhibition
Room	Olympia A	Olympia B	Olympia Foyer / Ilissos Foyer
Level	-1	-1	-1
08:30-08:45	Plenary 3: Cytokines In cancer immunity and immunotherapy 		
08:45-09:00			
09:00-09:15			
09:15-09:30			
09:30-09:45			
09:45-10:00			
10:00-10:15			
10:15-10:30	Coffee Break & Exhibiton		
10:30-10:45			
10:45-11:00			
11:00-11:15	Symposium 11: Novel approaches for the development of cytokine/ anticytokine therapies 	Symposium 12: Cytokines in neuro-immune interactions, inflammation and repair 	
11:15-11:30			
11:30-11:45			
11:45-12:00			
12:00-12:15			
12:15-12:30			
12:30-12:45			Lunch Break & Exhibition POSTER Session 3
12:45-13:00			
13:00-13:15			
13:15-13:30			
13:30-13:45			
13:45-14:00			
14:00-14:15			
14:15-14:30			
14:30-14:45	Symposium 13: Cytokines in T and B cell responses to vaccination and beyond 	Symposium 14: Cytokines in HIV and novel targeted therapies	
14:45-15:00			
15:00-15:15			
15:15-15:30			
15:30-15:45			
15:45-16:00			
16:00-16:15			Keynote Lecture 2
16:15-16:30			
16:30-16:45			
16:45-17:00	16:45 - 17:00 • Closing Remarks 17:15 - 17:20 • Invitation to Cytokines 2024 Joint Meeting with KAI 2024 International 17:20 - 17:45 • ICIS Members Business Meeting (all members & those interested in the ICIS should attend)		
17:00-17:15			
17:15-17:30			
17:30-17:45			
17:45-18:00			
18:00-18:15			
18:15-18:30			
18:30-18:45			
18:45-19:00			
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21:00-21:15			
21:15-21:30			

PROGRAM OVERVIEW DAY 4

Wednesday, 18 October



Posters	Networking Event	Session Type
Ilissos Meeting Room	Roof Garden Floor	Room
0	9	Level
		08:30-08:45
		08:45-09:00
		09:00-09:15
		09:15-09:30
		09:30-09:45
		09:45-10:00
		10:00-10:15
		10:15-10:30
Coffee Break & Exhibiton		10:30-10:45
		10:45-11:00
		11:00-11:15
		11:15-11:30
		11:30-11:45
		11:45-12:00
		12:00-12:15
		12:15-12:30
		12:30-12:45
Lunch Break & Exhibition POSTER Session 3		12:45-13:00
		13:00-13:15
		13:15-13:30
		13:30-13:45
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		20:45-21:00
		21:00-21:15
		21:15-21:30
	18:30 - 22:30 Gala Dinner - Ticket Required	

All contents are as per date of printing (20. September 2023).

The up-to-date scientific programme is available in the online programme on the congress website and in the congress app.

The organiser reserves the right to modify the programme in case of external or unforeseen circumstances and cannot assume any liability.

No refunds can be granted in case of cancellations of speakers, lack of space in the conference room or any other incidents during the congress which are beyond the control of the organiser.

QR CODE Full Program





Session

AI and complex patient data for personalized medicine

→ Tuesday October 17th 2023 | **12:40-13:40**
ILISSOS Meeting room

12:40-13:00 →

AI and personalized medicine

Vassili Soumelis,
Owkin

13:00-13:20 →

Lupus stratification:
one cell at a time

Virginia Pascual, M.D.,
Cornell

13:20-13:40 →

Roundtable discussion
and audience Q&A

Prof. Burkhard Becher,
University of Zurich

Lunch will be available at the session

Learn more at: athens.cytokinesociety.org/program

PROGRAM DAY 1



Sunday, 15 October

15:00 - 16:30	Cytokines in the airway infection and inflammation - Sponsored by the Korean Association of Immunologists KAI <i>Chairs: You-me Kim / Seung-Ki Kwok</i>	Olympia A+B
15:00 - 15:30	Regulation of metabolic fitness of polyfunctional Th2 cells <i>Yeonseok Chung, Seoul National University, Korea</i>	
15:30 - 16:00	Steady-state IL-13 is necessary for the priming of pathogenic Th2 cells in skin <i>Franca Ronchese, Malaghan Institute Of Medical Research, New Zealand</i>	
16:00 - 16:30	Fc-fused interleukin-7 provides broad antiviral effects against respiratory virus infections <i>Seung-Woo Lee, Pohang University of Science and Technology, Korea</i>	
16:30 - 17:00	Coffee Break and Exhibiton	
17:00 - 18:40	Opening Session and Awards Ceremony <i>Chairs: Evangelos Andreakos / Christopher Hunter</i>	Olympia A+B
17:00 - 17:02	Welcome Local Organizing Committee Chair <i>Evangelos Andreakos, Academy of Athens, Greece</i>	
17:02 - 17:15	President's Welcome <i>Christopher Hunter, University Of Pennsylvania, USA</i>	
17:15 - 17:20	Presentation of ICIS Luminex Mid-Career Award & YI Awards	
17:20 - 17:25	Mentorship Award, Jacob S. Yount <i>Adriana Forero, The Ohio State University, USA</i>	
17:25 - 17:30	Honorary Membership Award <i>Daniela Novick, The Weizmann Institute of Science, Israel</i>	
17:30 - 17:35	Distinguished Service <i>Brendan Jenkins</i>	
17:35 - 17:45	Regeneron Awards; Christinal Fleischmann Award; PBL Pestka Awards; Amanda Proudfoot Award; Pfizer Trainee Awards	
17:45 - 18:10	Fanning the Flames: Pyroptosis ininfection, cancer and neurodegeneration <i>Pfizer Award Winner, Judy Lieberman, Boston Children's Hospital, USA</i>	
18:10 - 18:35	Past, Present, and Future of IL-23 pathway biology <i>ICIS-BioLegend William E. Paul Award winner, Daniel J. Cua</i>	
18:35 -19:00	Break/Refreshments	
19:00 - 19:35	Keynote Lecture 1 <i>Chairs: Evangelos Andreakos / George N. Pavlakis</i>	Olympia A+B
19:05 - 19:35	Diseases, cytokines and new treatments <i>George Damis Yancopoulos, Regeneron Pharmaceuticals Inc, USA</i>	
19:35 - 21:30	Welcome Reception	Roof Garden Floor



PROGRAM DAY 2

Monday, 16 October

08:30 - 10:30 **Plenary 1: Cytokines in precision medicine, targeted diagnosis and treatment** *supported by an Unrestricted Grant from Pfizer*
Chairs: Alex Barron / Karen Mossman **Olympia A+B**

08:30 - 09:00 Cytokines orchestrating immune responses to infection with a focus on tuberculosis: How transcriptomics can lead the way
Anne O'Garra, The Francis Crick Institute, UK

09:00 - 09:30 Immune mechanisms in neuroinflammation
Burkhard Becher, University of Zurich, Switzerland

09:30 - 10:00 Single cell immunology for deciphering disease mechanisms and treatment responses
Ido Amit, The Weizmann Institute Of Science, Israel

10:00 - 10:15 High throughput CRISPRi screen identifies the long noncoding RNA, LOUP, as a multi-functional loci important in immunity
Susan Carpenter, University Of California Santa Cruz, USA

10:15 - 10:30 Pfizer Trainee Award Winner: A novel E3 ligase of GILZ: a target to suppress multiple cytokine pathways and bypass the metabolic adverse effects of glucocorticoids in autoimmune disease treatment
Iolanda Miceli, Monash University, USA

10:30 - 11:00 **Coffee Break and Exhibiton**

11:00 - 12:30 **Symposium 1: Macrophages and dendritic cells at the single cell biology era** *supported by an Unrestricted Grant from Abbvie*
Chairs: Su-hyung Park / Matthew Sweet **Olympia A**

11:00 - 11:25 Functional states of macrophages in cancer
Dmitry Gabrilovich, Astrazeneca, USA

11:25 - 11:50 Plasmacytoid Dendritic Cell: from development to function
Roxane Tussiwand, NIH, USA

11:50 - 12:03 Young Investigator Award Winner: Macrophages control pathological type I interferon responses following viral respiratory infection
Ruth Franklin, Harvard University, USA

12:03 - 12:16 The TCA cycle in macrophages is a central regulator of cytokine and interferon production
Christian Peace, Trinity College Dublin, Ireland

12:16 - 12:29 Ongoing Production of Tissue-Resident Macrophages from Hematopoietic Stem Cells in Healthy Adult Macaques
Jason Brenchley, National Institutes of Health, USA



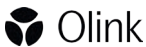
11:00 - 12:30 **Symposium 2: Cytokines in T cell development and function**
supported by an Unrestricted Grant from BMS
Chairs: Federica Sallusto / Francisco Ramirez-valle **Olympia B**

- 11:00 - 11:25 IL-17 Signal Transduction crosstalk
Sarah Gaffen, University of Pittsburgh, USA
- 11:25 - 11:50 Th17 specialization in the microenvironment
Christina E. Zielinski, Leibniz Institute For Natural Product Research And Infection Biology, Germany
- 11:50 - 12:03 Young Investigator Award Winner: Divergent molecular and cytokine networks program functionally distinct CD8+ skin-resident memory T cells
Simone Park, University Of Pennsylvania, USA
- 12:03 - 12:16 Th1 cells instruct stromal responses to inflammation and tissue fibrosis by altering the transcriptional output of IL-6.
Simon Jones, The School of Medicine, Cardiff University, UK
- 12:16 - 12:29 IL-12 drives the differentiation of human T follicular regulatory cells
Michela Locci, University Of Pennsylvania, USA

12:30 - 14:00 **Lunch Break & Exhibition**

12:40 - 13:40 **Olink Lunch Symposium** **Ilissos Foyer / Ilissos Meeting Room**

- 12:40 - 13:40 Immuno-oncology protein biomarker panels provide greater biological insights and improved patient stratification
Sarantis Chlamydas, Olink, Greece



14:00 - 15:30 **Symposium 3: Innate lymphoid cells, heterogeneity and function**
supported by an Unrestricted Grant from Eli Lilly
Chairs: Gregory Sonnenberg / Maya Karta **Olympia A**

- 14:00 - 14:25 Neuronal regulation of innate immunity and inflammation
David Artis, Weill Cornell Medicine, USA
- 14:25 - 14:50 ILC2s in health and disease
Kazuyo Moro, Osaka University, Japan
- 14:50 - 15:03 JAK3 inhibitor suppresses multipotent ILC2s and attenuates steroid-resistant asthma
Hye-Young Kim, Seoul National University, Korea
- 15:03 - 15:16 Targeted activation of IL-22-producing innate lymphoid cells enhances host resistance against *Clostridioides difficile* infection
Michael Abt, University of Pennsylvania, USA
- 15:16 - 15:29 Young Investigator Award Winner: Dictionary of immune responses to 86 cytokines in vivo at single-cell resolution
Ang Cui, Harvard University, USA



PROGRAM DAY 2

Monday, 16 October

14:00 - 15:30	Symposium 4: Immune regulation in autoimmune and rheumatic diseases, Jürg Tschopp Memorial Symposium <i>Chairs: Athanasios Tzioufas / Curt Horvath</i>	Olympia B
14:00 - 14:25	Cytokines in systemic lupus erythematosus pathogenesis <i>Jürg Tschopp Memorial Lecturer: Virginia Pascual, Drukker Institute At Weill Cornell Medicine, USA</i>	
14:25 - 14:50	Shaping regulatory T cells in systemic inflammation and autoimmunity <i>Alexander Rudensky, Memorial Sloan Kettering Cancer Center, USA</i>	
14:50 - 15:03	Excess IL-18 augments suppressor/regulatory cell function to prevent Experimental Autoimmune Encephalomyelitis <i>Jeremy Morrisette, Children's Hospital Of Philadelphia, USA</i>	
15:03 - 15:16	Inflammatory arthritis induced by immune checkpoint inhibitors: underlying mechanisms and therapeutic strategies <i>Roza Nurieva, The University Of Texas Md Anderson Cancer Center, USA</i>	
15:16 - 15:29	Synovial CRTAM+ T-cells are a feature of lymphoid-driven synovitis. <i>Sandra Dimonte, Cardiff University, UK</i>	
15:30 - 16:30	Lighting Talks / Cytokines in chronic diseases <i>Chairs: Andrea Lisco / Irini Sereti</i>	Olympia B
15:30 - 15:38	Identification of a broadly fibrogenic macrophage subset induced by type 3 inflammation <i>Alex Barron, Pfizer, Inc., USA</i>	
15:38 - 15:46	Milder autoimmunity in humans with inherited PD-L1 than PD-1 deficiency <i>Masato Ogishi, The Rockefeller University, USA</i>	
15:46 - 15:54	Senescent cells in biopsies of GCA <i>Ourania D Argyropoulou, University of Athens, Greece</i>	
15:54 - 16:02	IL-33-dependent upregulation of Serpine1 contributes to intestinal fibrosis in an animal model of Crohn's disease-like ileitis <i>Stefania De Santis, Case Western Reserve University, USA</i>	
16:02 - 16:10	A partial form of inherited human USP18 deficiency underlies infection and inflammation <i>Marta Martin Fernandez, Icahn School of Medicine at Mount Sinai, USA</i>	
16:10 - 16:18	Targeting metalloproteinases as a novel therapeutic strategy for pancreatitis <i>Mohamed Saad, Hudson Institute of Medical Research, Monash University, Australia</i>	
16:18 - 16:26	Prostaglandin E2-EP4 signaling in dendritic cells regulates intestinal homeostasis by controlling IL-6 production and Th17 differentiation <i>Jiyoung Kim, KAIST, Korea</i>	



15:30 - 16:30	<p>Lightning Talks / Cytokines in infections <i>Chairs: Phil Hansbro / Ioanna Galani</i></p>	Olympia A
15:30 - 15:38	<p>Human IRF1 governs macrophagic IFN-γ immunity to mycobacteria <i>Jeremie Rosain, Imagine Institute, Casanova lab, France</i></p>	
15:38 - 15:46	<p>Dysregulated Immune Responses via TLR7 Drive Maternal and Foetal Pathogenesis During Gestational Influenza Infection <i>Gemma Trollope, RMIT University, Australia</i></p>	
15:46 - 15:54	<p>Interferon λ alters IL-17-mediated immunity during influenza, bacteria super-infection <i>Dani Antos, University Of Pittsburgh, USA</i></p>	
15:54 - 16:02	<p>Aberrant levels of CXCL16 in severe COVID-19 patients: window into an aberrant immune response <i>Sandra Smieszek, Vanda Pharmaceuticals Inc., USA</i></p>	
16:02 - 16:10	<p>IL-32 is elevated in COVID-19 and synergizes with IFN-γ to drive macrophage inflammatory responses via an IRAK1-dependent pathway. <i>Ana Ramon, Apc Microbiome Ireland, University College Cork, Ireland</i></p>	
16:10 - 16:18	<p>IL-1 alpha is required for T cell driven weight loss during respiratory viral infection. <i>John Tregoning, Imperial College London, UK</i></p>	
16:18 - 16:26	<p>Cytokine-driven differentiation of the intestinal epithelium is countermanded by the helminth parasite <i>H. polygyrus</i> <i>Marta Campillo-Poveda, University of Glasgow, UK</i></p>	
16:30 - 18:00	<p>Poster Session 1 - discussions</p>	Ilissos
18:30 - 21:30	<p>Bus transfers - meeting point hotel lobby</p>	
19:00 - 21:30	<p>Acropolis Museum Cultural Networking Event - Ticket Required</p>	Acropolis Museum



PROGRAM DAY 3

Tuesday, 17 October

08:30 - 10:30 **Plenary 2: Lambda interferons at 20 years of age**
supported by an Unrestricted Grant from MAL JICR journal Philip I. Markus Symposium
Chairs: Ram Savan / Raymond Donnelly **Olympia A+B**

08:30 - 09:00 Lambda interferons, from discovery to biology and therapy
Sergei Kotenko, Rutgers New Jersey Medical School, USA

09:00 - 09:30 Type I vs type III interferons in antiviral immunity
Philip I. Markus / Memorial Lecturer: Andreas Wack, Francis Crick Institute, UK

09:30 - 10:00 Novel functions of lambda interferons
Evangelos Andreakos, Biomedical Research Foundation Academy of Athens, Greece

10:00 - 10:15 IL-1- and type III IFN-dependent regulation of GM-CSF promotes epithelial-immune cell crosstalk and orchestrates immunity to *Aspergillus fumigatus* in the lung
Tobias Hohl, MSKCC, USA

10:15 - 10:30 Young Investigator Award Winner: Type I and III interferons exert differential roles in immunity against the enteric bacteria *Salmonella*
Noemie Alphonse, King's College London, UK

10:30 - 11:00 **Coffee Break and Exhibiton**

11:00 - 12:30 **Symposium 5: Cytokines and interferons in COVID-19 and beyond**
supported by an Unrestricted Grant from Moderna
Chairs: Megha Basavappa / Ivan Zanoni **Olympia A**

11:00 - 11:25 The cGAS-STING pathway in immunity and immunopathology
Andrea Ablasser, Ecole Polytechnique Fédérale de Lausanne, Switzerland

11:25 - 11:50 Immune senescence and cytokine profiles in LongCOVID
Irini Sereti, NIH, USA

11:50 - 12:03 Interferon-lambda uniquely promotes CD8 T cell immunity against SARS-CoV-2 compared to type I interferon
Emily Hemann, Ohio State University, USA

12:03 - 12:16 Young Investigator Award Winner: Regulation of human IFN signaling by an exonized transposon in IFNAR2
Edward Chuong, University Of Colorado Boulder, USA

12:16 - 12:29 IFN β -1a ring prophylaxis to reduce SARS-CoV-2 transmission
Eleanor N Fish, University of Toronto & University Health Network, Canada

11:00 - 12:30 **Symposium 6: Targeted Therapies in Cancer & Beyond**
supported by an Unrestricted Grant from Owkin
Chairs: Nancy Reich Marshall / Nadia Jeremiah **Olympia B**

11:00 - 11:25 Tumor-targeted co-stimulation via CD28 bispecific antibodies: Turning immunotherapy "cold" tumors "hot"
Dimitris Skokos, Regeneron, USA



- 11:25 - 11:50 New frontiers in B-cell depletion: from Cancer to systemic autoimmune diseases
Richard Siegel, Novartis Institutes for BioMedical Research, Switzerland
- 11:50 - 12:03 T cell factor 1 (TCF-1) is a critical regulator of intraepithelial lymphocytes in colorectal carcinoma
Lisa Mielke, Olivia Newton-John Cancer Research Institute, Australia
- 12:03 - 12:16 Tumor-activated PD1-targeted IL-2 increased antigen specific T cells in tumor models and demonstrated anti-tumor activity in mice
Ertan Eryilmaz, Xilio Therapeutics, USA
- 12:16 - 12:29 Mechanism of cooperation of mutant IL-7Ra and mutant NRAS in T-cell acute lymphoblastic leukemia (T-ALL): Role of MYC stabilization
Scott Durum, NCI NIH, USA

12:30 - 14:00 Lunch Break & Exhibition

**12:40 - 13:40 Owkin Lunch Symposium:
AI and complex patient data for personalized medicine
Ilissos Foyer / Ilissos Meeting Room**

- 12:40 - 13:40 AI and personalized medicine
Vassili Soumelis, Hopital St Louis and Owkin, France
- 13:00 - 13:20 Lupus stratification: one cell at a time
Virginia Pascual, Drukier Institute At Weill Cornell Medicine, USA
- 13:20 - 13:40 Roundtable discussion and audience Q&A
Vassili Soumelis, Hopital St Louis and Owkin, France
Burkhard Becher, University of Zurich, Switzerland
Virginia Pascual, Drukier Institute At Weill Cornell Medicine, USA

14:00 - 15:30 Symposium 7: Genetics of cytokines
supported by an Unrestricted Grant from Novartis
Chairs: Richard Siegel / Michael Gale, Jr. **Olympia A**

- 14:00 - 14:25 Genetic susceptibility to viral disease in humans
Trine Mogensen, Aarhus University, Denmark
- 14:25 - 14:50 Inborn Errors of Autoinflammation
Dusan Bogunovic, Icahn School of Medicine at Mount Sinai, USA
- 14:50 - 15:03 IRF7 epitranscriptomics: linking viral infections and autoimmunity
Maialen Sebastian-Delacruz, University Of The Basque Country, Spain
- 15:03 - 15:16 Dysregulated STAT3 signaling leads to amplified expression of CD39 and CD8+ T cell dysfunction in STAT3 gain-of-function (STAT3 GOF)
Jose Campos Duran, University Of Pennsylvania/CHOP, USA
- 15:16 - 15:29 NLRP3 autoactivation in cryopyrin-associated periodic syndromes (CAPS) is HSP90 β -selective
Cyrielle Hou, University Of Lausanne, Switzerland



PROGRAM DAY 3

Tuesday, 17 October

14:00 - 15:30 **Symposium 8: Cytokines in mucosal immunity and allergic diseases**
supported by an Unrestricted Grant from Society for Mucosal Immunology
Chairs: Mark Travis / You-me Kim **Olympia B**

- 14:00 - 14:25 Cytokine networks in the respiratory epithelium
Clare Lloyd, Imperial College London, UK
- 14:25 - 14:50 Stromal-neutrophil and cytokine interactions in the oral mucosa
Niki Moutsopoulos, NIH, USA
- 14:50 - 15:03 Pfizer Trainee Award Winner: Circadian Control of Enteric Viral Infection Through Rhythmic IRF1-Mediated Innate Immune Responses
Robert Maples, UT Southwestern, USA
- 15:03 - 15:16 IL-2 synchronizes with T cell derived IL-10 to initiate lung-specific Th2 responses to inhaled allergen
Amanda Poholek, University of Pittsburgh, USA
- 15:16 - 15:29 Pfizer Trainee Award Winner: GPR43 signaling in eosinophils restrains neutrophilic airway inflammation by preventing the emergence of pathogenic Siglec-Fhi neutrophils
Jihyun Yu, KAIST, Korea

15:30 - 16:30 **Lightning Talks / Cytokines in immunobiology**
Chairs: Barbara Felber / Rami Bechara **Olympia A**

- 15:30 - 15:38 Intron retention allows for rapid NF- κ B-mediated IFN γ expression in stimulated natural killer cells
Rachel Van Gelder, University Of Washington, USA
- 15:38 - 15:46 Whole-body analysis of tissue-resident immune cells
Allison Clatch, The Peter Doherty Institute/ The University Of Melbourne, Australia
- 15:46 - 15:54 Single cell transcriptional profiling of innate immune receptor agonists reveals distinct cell type specific cytokine responses
Renee Ireton, University Of Washington, USA
- 15:54 - 16:02 Differential role of CD4⁺ T cells in programming tissue-resident versus circulating memory CD8⁺ T cells
Maleika Osman, The Peter Doherty Institute/ The University Of Melbourne, Australia
- 16:02 - 16:10 TGF β differentially specifies Tfh versus Th17 cell fates of murine CD4⁺ T cells
Yinshui Chang, Universitätsklinikum Bonn, Germany
- 16:10 - 16:18 Type III interferons control tissue restitution in the intestine by inducing pyroptosis in gut epithelial cells.
Achille Broggi, CIML, France



15:30 - 16:30	Lightning Talks / Novel therapeutics <i>Chairs: Jun Ishihara / Hye Young Kim</i>	Olympia B
15:30 - 15:38	A therapeutic strategy to eliminate all sources of IgE and abolish allergy <i>Jamie Orengo, Regeneron Pharmaceuticals, USA</i>	
15:38 - 15:46	Combinations of heterodimeric IL-15 with a fatty acid metabolism modulator or a FLT3 inhibitor enhance anti-tumor effects in mouse breast cancer <i>Sevasti Karaliota, Leidos Biomedical Research, USA</i>	
15:46 - 15:54	Stat5 antagonizes Tox and CD8 T-cell exhaustion to foster a durable effector-like state during chronic antigen exposure <i>Jean-Christophe Beltra, University Of Pennsylvania, USA</i>	
15:54 - 16:02	Loss of the ARID1A Tumor Suppressor Activates an R-loop Driven STING-Type I Interferon Signaling Axis that Promotes Anti-Tumor Immunity <i>Matt Maxwell, The University Of California, San Diego & The Salk Institute, USA</i>	
16:02 - 16:10	PRC2 complex regulates immunogenicity by shaping cell-intrinsic type-II interferon (IFN) responses in treatment naïve Small Cell Lung Cancer (SCLC). <i>Oliver Bartley, CRUK-MI, UK</i>	
16:30 - 17:00	Coffee Break and Exhibiton	
17:00 - 18:30	Symposium 9: Metabolic control of cytokine-mediated inflammation <i>supported by an Unrestricted Grant from Olink</i> <i>Chairs: Brendan Jenkins / Simon Jones</i>	Olympia A
17:00 - 17:25	Immunometabolism in macrophage function <i>Luke A. O'Neill, Trinity College Dublin, Ireland</i>	
17:25 - 17:50	T cells and age-related diseases <i>Maria Mittelbrunn, Centro de Biología Molecular Severo Ochoa, Spain</i>	
17:50 - 18:03	An innate immune signalling axis that licenses bacterial killing and suppresses inflammatory cytokine production via regulated immunometabolism <i>Matthew Sweet, IMB, The University Of Queensland, Australia</i>	
18:03 - 18:16	The uterine microbiome and the microbial metabolite butyrate stimulate pro-inflammatory responses in endometrial epithelial cells, suggesting a possible impact on female fertility <i>Federica Giangrazi, Trinity College Dublin, Ireland</i>	
18:16 - 18:29	A metabolic switch that boosts the fitness of anti-tumor immunity <i>Paul Bunk, Cold Spring Harbor Laboratory, USA</i>	



PROGRAM DAY 3

Tuesday, 17 October

17:00 - 18:30	Symposium 10: Latest developments and novel therapeutics <i>supported by an Unrestricted Grant from Synthekine</i> <i>Chairs: Scott Durum / Rene De Waal Malefyt</i>	Olympia B
17:00 - 17:03	In Memoriam, Joost Oppenheim <i>Scott Durum, NIH, USA</i>	
17:03 - 17:28	Targeting excess IFN-g/STAT1 signaling in mucosal fungal disease and autoimmunity: from the bench to patients <i>Michail Lionakis, NIH, USA</i>	
17:28 - 17:53	Anti-TSLP therapeutics 20 years after the discovery of TSLP <i>Vassili Soumelis, Hopital St Louis and Owkin, France</i>	
17:53 - 18:06	Young Investigator Award Winner: Dietary tryptophan metabolite released by intratumoral Lactobacillus reuteri facilitates immune checkpoint inhibitor treatment <i>Marlies Meisel, University of Pittsburgh, USA</i>	
18:06 - 18:19	Young Investigator Award Winner: Structural insights into the mechanism of leptin receptor activation <i>Robert Saxton, UC Berkeley, USA</i>	
18:19 - 18:32	Pfizer Trainee Award Winner: Interferon lambda confers protection against cardiometabolic diseases <i>Maria Salagianni, Biomedical Research Foundation Academy Of Athens, Greece</i>	
18:30 - 20:00	Poster Session 2 - discussions	Ilissos
20:15 - 21:45	ECR Networking Event cosponsored by ICIS ECR Committee & Young EFIS	Roof Garden Floor



08:30 - 10:30	Plenary 3: Cytokines In cancer immunity and immunotherapy	<i>supported by an Unrestricted Grant from Regeneron</i>	<i>Chairs: Iris Behrmann / Matthew Sleeman</i>	Olympia A+B
08:30 - 09:00	CD8+ T cells in cancer	<i>Rafi Ahmed, Emory Vaccine Center, Emory University, USA</i>		
09:00 - 09:30	Clinical Development of heterodimeric IL-15 for Immunotherapy	<i>George N. Pavlakis, NIH, USA</i>		
09:30 - 10:00	Auto-antibodies & Cancer	<i>Aaron Ring, Fred Hutchinson Cancer Center, USA</i>		
10:00 - 10:15	Combining an IL-12-based Immunocytokine (PDS0301) with Docetaxel in Metastatic Prostate Cancer: Preliminary Safety and Immune Data	<i>Ravi A Madan, National Cancer Institute, USA</i>		
10:15 - 10:30	Engineered tumor-matrix targeted IL-12 to achieve safe and efficacious therapies	<i>Jun Ishihara, Imperial College London, UK</i>		
10:30 - 11:00	Coffee Break and Exhibiton			
11:00 - 12:30	Symposium 11: Novel approaches for the development of cytokine/anti-cytokine therapies	<i>supported by an Unrestricted Grant from Cytokine Journal</i>	<i>Chairs: Juan Mendoza / Claudia Nold</i>	Olympia A
11:00 - 11:25	Structural basis of cytokine-mediated signaling	<i>Savvas Savvides, Ghent University & VIB, Belgium</i>		
11:25 - 11:50	Interplay between metabolites and innate immunity in natural and vaccine induced immunity to viral infections	<i>Rafick Sekaly, Emory University, USA</i>		
11:50 - 12:03	IL-10 Surrogate Cytokine Agonists (SCAs) Tune Receptor Signaling and Engineer Cell Type Specificity	<i>Martin Oft, Synthekine, USA</i>		
12:03 - 12:16	An optimally engineered, cis-signaling, anti-PD1/IL-2 bispecific expands pre-exhausted CD8+ T (Tpex) cells in the tumor microenvironment and markedly inhibits growth of poorly immunogenic tumors	<i>Patrizia Murer, Anaveon AG, Switzerland</i>		
12:16 - 12:29	Fungal Microbiota Amplifies Immune Reprogramming in Severe COVID-19 via IL-6	<i>Iliyan Iliev, Weill Cornell Medicine, USA</i>		



PROGRAM DAY 4

Wednesday, 18 October

11:00 - 12:30	Symposium 12: Cytokines in neuro-immune interactions, inflammation and repair <i>supported by an Unrestricted Grant from Genentech</i> <i>Chair: Sandra Nicholson / Mark Wilson</i>	Olympia B
11:00 - 11:25	IL-27: from parasites to mRNA vaccines <i>Christopher Hunter, School of Veterinary Medicine, University of Pennsylvania, USA</i>	
11:25 - 11:50	Neural pathways in the regulation of tissue inflammation and repair <i>Sophie Ugolini, Centre d'Immunologie de Marseille-Luminy, France</i>	
11:50 - 12:03	Beyond the Barriers: Delving into Interferon Lambda's Role in the Brain <i>Effrosyni Koronaiou, Biomedical Research Foundation Of The Academy Of Athens, Greece</i>	
12:03 - 12:16	Influence of the Chemokines CCL17 and CCL22 on IL-33-induced Adipose Tissue Fibrosis <i>Manja Thiem, LIMES Institute, University of Bonn, Germany</i>	
12:16 - 12:29	MAVS signaling in microglia is critically needed to define the transcriptional fate of CNS infiltrating CD8+ T cells in viral encephalitis <i>Andreas Pavlou, Twincore, Germany</i>	
12:30 - 14:30	Lunch Break & Exhibition	
12:30 - 14:30	Poster Session 3 - Lunch	Ilissos Foyer / Ilissos Meeting Room
14:30 - 16:00	Symposium 13: Cytokines in T and B cell responses to vaccination and beyond <i>supported by an Unrestricted Grant from Janssen</i> <i>Chairs: Adriana Forero / Ana Gamero</i>	Olympia A
14:30 - 14:55	Fine tuning IL-2 signaling via the Il2ra super-enhancer <i>Warren Leonard, National Institutes of Health, USA</i>	
14:55 - 15:20	IL-10-secreting B cells <i>Claudia Mauri, University College London, UK</i>	
15:33 - 15:46	Tissue resident B1 cells in the lungs perform local immunoregulatory functions and contribute to homeostasis <i>Kimberly Carroll, Tufts Graduate School of Biomedical Sciences, USA</i>	
15:46 - 15:59	Early cytokine interactions and association with antibody levels upon nucleic acid vaccination in macaques and humans <i>Barbara Felber, National Cancer Institute At Frederick, USA</i>	



Wednesday, 18 October

14:30 - 16:00	Symposium 14: Cytokines in HIV and novel targeted therapies <i>Chairs: Jason Brenchley / Nichole Klatt</i>	Olympia B
14:30 - 14:55	NK cells and cytokines in HIV/SIV infections <i>Michaela Müller-Trutwin, Institut Pasteur, France</i>	
14:55 - 15:20	HIV and cytokines <i>Afam Okoye, Oregon Health & Science University, USA</i>	
15:20 - 15:33	Hyperinflammation due to chronic exposure to excess IL-18 arises from both CD8 T-cell hyper-responsiveness and virus-specific immunodeficiency rather than NK dysfunction. <i>Jemy Varghese, Children's Hospital of Philadelphia, USA</i>	
15:33 - 15:46	Inflammation and immune activation are correlated with specific gut microbes in people living with HIV <i>Christopher Basting, University Of Minnesota, USA</i>	
15:46 - 15:59	A novel concept: HIV co-opts a host antiviral mechanism, activation of IFN-inducible kinase PKR by its RNA, to enable splicing of its own mRNA <i>Raymond Kaempfer, The Hebrew University, Israel</i>	
16:00 - 16:45	Keynote Lecture 2 <i>Chairs: Evangelos Andreakos / George N. Pavlakis</i>	Olympia A+B
16:00 - 16:45	Human T cell subsets: activation, differentiation and immune regulation <i>Federica Sallusto, Institute for Research in Biomedicine, Bellinzona, Switzerland</i>	
16:45 - 17:00	Closing Remarks	Olympia A+B
17:15 - 17:20	Invitation to Cytokines 2024 Joint Meeting with KAI 2024 International	Olympia A+B
17:20 - 17:45	ICIS Members Business Meeting (all members & those interested in the ICIS should attend)	Olympia A+B
18:30 - 22:30	Gala Dinner - Ticket required <i>with entertainment by the Metabolix led by Luke O'Neill</i>	Roof Garden Floor





POSTER SESSION 1

Monday, 16 October

16:30 - 18:00

Poster Session 1 - discussions

Ilissos

- P1-001** Distinct baseline immune characteristics associated with responses to conjugated and unconjugated pneumococcal polysaccharide vaccines in older adults
Duygu Ucar
- P1-002** An Emerging Paradigm of Cxcl12/Cxcr4 Involvement in Breast Cancer Metastasis
Dimitra Anastasiadou
- P1-003** Localized but not Systemic Type I Interferon Therapy Improves Immune Infiltration and PD-blockade in a Mouse Melanoma Model
Daniel Harari
- P1-004** ISG15 modulates lipid metabolism in macrophages during Vaccinia virus infection.
Susana Guerra
- P1-005** An MVA-based vector expressing cell-free ISG15 increases IFN-I production and improves HIV-1-specific CD8 T cell immune responses
Susana Guerra
- P1-006** PYHIN proteins regulate multiple aspects of the host innate immune response.
Marcin Baran
- P1-007** Structures of complete extracellular receptor assemblies mediated by IL-12 and IL-23
Jan Felix
- P1-008** A Family-wide assessment of latent STAT transcription factor interactions reveals divergent dimer repertoires
Andreas Begitt
- P1-009** Itaconate increases type-I interferon responses via SDH – dependent mtRNA release.
Shane O'carroll
- P1-010** The Src-ZNRF1 axis controls TLR3 trafficking and interferon responses to restrict lung barrier damage and prevent bacterial superinfection
Li-Chung Hsu
- P1-011** Ethanol Induces Neuroinflammation in a Chronic Plus Binge Mouse Model of Alcohol Use Disorder via TLR4 and MyD88-Dependent Signaling
Paul Drew
- P1-012** Identification of the in vivo functions of Interleukin-26 in gut homeostasis
Yazan Salloum
- P1-013** Systemically Administered FIt3L Therapeutics Enhance Healing and Prevent Incidence in Two Murine Models of Non-healing Wounds
Aaron Alpar
- P1-014** In Situ Interaction of TNF with their Receptors
Krisztina Nikovics
- P1-015** Inferring metabolic pathway activity levels of bone formation from RNA-Seq data of TgA86 mouse model of Spondyloarthritis
Sang-Hoon Lee



- P1-016** Understanding the Potential of Human IL-12 and Chimeric IL-15 Combination for Cancer Immunotherapy
Priya Sharma
- P1-017** Potential of Chimeric IL-15 in Treatment and Prevention of Cancer
Digna Patel
- P1-018** A resource for the development of immunological reagents for biomarker identification in New World Monkeys.
Jessica Callery
- P1-019** Blood monocyte-derived CD169+ macrophages contribute to antitumor immunity against glioblastoma
Hyun-jin Kim
- P1-020** Induction of Long-Term Mucosal Immunity against SARS-CoV-2 by an Intranasal Adenovirus-Vector Vaccine Expressing a Modified Spike Protein and Genetic Adjuvant
Hieun Jung
- P1-021** Innate lymphoid cells regulate inflammation in acute fungal lung infection
Irina Tsymala
- P1-022** Movement disorder dystonia caused by mutations in interferon induced protein kinase R (PKR) and its activator protein PACT.
Rekha Patel
- P1-023** Stefin B increased IL-10 expression , downregulated caspase 11 expression and inflammasome activation in macrophages
Natasa Kopitar-Jerala
- P1-024** ELUCIDATING THE ANTI-INFLAMMATORY ROLE OF SCFAs IN JEV MEDIATED NEUROINFLAMMATION IN MICE
Indira Priya Siva Venkatesh
- P1-025** Vitamin D metabolism, inflammation and colorectal cancer progression
Zouhour Hamza
- P1-026** Conserved transcriptomic signatures and protein markers in cellular senescence models
Nikos Tsolakos
- P1-027** NRF2-independent inhibition of human coronaviruses by “NRF2 activators”
Fakhar Waqas
- P1-028** Contribution of CCL17 as an inflammatory mediator in rheumatoid arthritis
Mahtab Eivazi
- P1-029** SLC5A3 regulates gemcitabine resistance by modulating cytokine-mediated signaling pathway in pancreatic cancer
Minsoo Kim
- P1-030** Serum CXCL10 and GDF15 levels offer valuable information for diagnosis and subtyping of autoimmune myositis
Boel De Paepe



POSTER SESSION 1

Monday, 16 October

- P1-031** IL-6 Dependent Expansion of Inflammatory MDSCs (CD11b+ Gr-1+) Promote Th-17 Mediated Immune Response During Experimental Cerebral Malaria
Arindam Bhattacharyya
- P1-032** Correlation of IL-6 with other parameters of inflammation and clinical data in patients infected with SARS-Cov-2 virus
Vladimir Jurisic
- P1-033** Application of Lactobacillus reuteri B1/1 (Limosilactobacillus reuteri) and Lactobacillus fermentum 2i3 CCM 7158 modulates cytokine gene expression in a 3D porcine intestinal model
Viera Karaffová
- P1-034** Suppressing osteoclastogenesis by anti-CD64 inhibitor and PAD2 inhibitor in rheumatoid arthritis
Hong Ki Min
- P1-035** Remdesivir alleviates joint damage in collagen-induced arthritis and inhibits inflammatory cell death of rheumatoid arthritis synovial fibroblasts
Hong Ki Min
- P1-036** Progenitor and differentiated macrophages exhibit distinct responses to STING activation
Erik Van Dis
- P1-037** Regulation of Inflammatory Cell Death by Caspase-10 Impacts the Pathogenesis of Primary Biliary Cholangitis
So Hee Dho
- P1-038** Avascular necrosis of bone in a patient with systemic lupus erythematosus without corticosteroid use: A case report
Jungwon Noh
- P1-039** Varicella zoster virus increases lymphocyte adhesion and virus spread through manipulation of type II interferon
Abel Viejo-Borbolla
- P1-040** B-cell ablation Therapy Improves Lung Function Decline in Patients with Idiopathic Inflammatory Myopathy-associated Interstitial Lung Disease
Jinwuk Hur
- P1-041** Outcomes of percutaneous coronary intervention in elderly patients with rheumatoid arthritis: A nationwide population-based cohort study
Hyun-sook Kim
- P1-042** Reduced DNase1L3 activity and increased anti-NET protective antibodies contributes to accumulation of NETs in plasma of pediatric SLE patients.
Bharati Matta
- P1-043** Th9 cells via IL-9 cytokine promote RANKL-mediated osteoclastogenesis and aggravate bone loss in Osteoporosis
Rupesh Kumar Srivastava
- P1-044** Differential responses of microglia and macrophages to T-helper cells-derived inflammatory cytokines
Leo Chan



- P1-045** Crucial role of CX3CR1-CX3CL1 axis during thrombus resolution on stasis-induced murine deep vein thrombosis model
Mizuho Nosaka
- P1-046** BCAT1-mediated leucine metabolism regulates Th17 responses via the mTORC1-HIF1 α pathway
Yeon Jun Kang
- P1-047** CTLA-4 fusion protein suppresses inflammatory cytokine secretion and increases serum procollagen type 1 amino-terminal propeptide in patients with rheumatoid arthritis
Ming-Han Chen
- P1-048** SARS-CoV-2 membrane protein induces a robust in vitro and in vivo cytokine storm
Scott Scarneo
- P1-049** Novel pathogenetic mechanisms mediated by dysregulation of TRIM21-STING-type I interferon axis in lupus
Youngjae Park
- P1-050** B cell class switching through CD40L expression on platelets under influence of IL-9 in Rheumatoid arthritis.
Kaustav Chowdhury
- P1-051** Gender-dependent association of interferon lambda genetic variants with peripheral blood profiles in healthy individuals
Debarati Guha Roy
- P1-052** Immune profiles differentiate mycobacterial and KSHV triggered secondary hemophagocytic lymphohistiocytosis in people with advanced HIV
Joseph Rocco
- P1-053** Application of RNAi against ROR γ t for alleviation of disease severity in animal model of psoriasis
Wei-Yin Chen
- P1-054** Characterization of CD8+ regulatory T cells induced by B cells and their modulatory effect in murine model of inflammatory bowel disease
Jia-Ning Fan
- P1-055** The GM-CSF/CCL17 pathway in obesity-associated osteoarthritic pain and disease in mice
Kevin Lee
- P1-056** IL-33 overexpression in mice induces an extrafollicular B cell response inducing plasma cell expansion in the spleen and break of tolerance
Eva Conde Garcia
- P1-057** Role of the IFIH1-A946T risk variant in lupus nephritis
Jacquelyn Gorman
- P1-058** Vitamin D downregulates IL-4 and IL-13 expression in Th2 cells by modulating type 2 transcription factors via a common regulatory element
Biswajit Biswas
- P1-059** Transcriptome analysis to stratify systemic lupus erythematosus patients
Liis Haljasmägi



POSTER SESSION 1

Monday, 16 October

- P1-060** Low level of Deltex1 in T cells may be associated with high disease activity of Sjögren's syndrome through enhancing IFN- γ secretion
Chun Chun Wang
- P1-061** CYTOKINE PROFILE OF DISEASE SITE IN PATIENTS WITH SARCOIDOSIS AND TUBERCULOSIS
Rashi Jain
- P1-062** Diesel exhaust particles (DEP) exacerbate CNS autoimmune disease by increasing IL-23 production through the AhR signaling pathway in macrophages/microglia
Seung Ah Choi
- P1-063** Selectivity of Cytokine Receptor Cleavage by the Rhomboid Protease RHBDL2
Christoph Garbers
- P1-064** Determining lncRNA GAPLINC's Mode of Regulation in Sepsis
Diana Escalona
- P1-065** Patients in remission in SLE have abundant activity and number of NK cells
Taylah Bennett
- P1-066** INCREASED ANTIGEN PRESENTATION AND TUMOR IMMUNOGENICITY BY HDAC INHIBITOR, ABEXINOSTAT, VIA JAK/STAT PATHWAY IN NON-SMALL CELL LUNG CANCER
Eun Hye Shin
- P1-067** HiChIP analysis revealed novel distal STAT5-bound enhancers in primary CD8+ T cells
Peng Li
- P1-068** Mechanism of receptor assembly via the pleiotropic adipokine Leptin
Kenneth Verstraete
- P1-069** IL-23/IL-17 axis function differs according to disease stage in the patients with axial spondyloarthritis/ankylosing spondylitis
Han Joo Baek
- P1-070** In vivo responses in the peritoneal cavity to LPS and their modulation by type I IFN
Marisol Alvarez-Martinez
- P1-071** Engineering and molecular characterisation of new human designer cytokine IL-23 α /p19 and EB13
Chantal Bergmann
- P1-072** Identification of a Novel Salivary Diagnostic Biomarker in Rheumatoid Arthritis
Yeon-Ah Lee
- P1-073** Aging in Down syndrome is associated with inflamed cytokine milieu and with the elevation of the wound healing cytokine TGF β -3
Susan Pereira Ribeiro
- P1-074** IMMUNE RESPONSES IN MULTIPLE SCLEROSIS: A NEURO-AUTOIMMUNE DISORDER
Shripad Patil



- P1-075** Serum levels of IL-1beta, IL-18 and their inhibitors in systemic autoinflammatory diseases :Preliminary results from the Immunome project consortium for AutoInflammatory Disorders (ImmunAID) cohort
Charlotte Girard-Guyonvarc'h
- P1-076** Regulation of transcription at TNF loci in mouse primary immune cells.
Min Jeong Cho
- P1-077** STAT3 activation by the type I IL-20 receptor: two ways are better than one.
Ornella Calà
- P1-078** Investigating the role of IL-20-related cytokines in inflammatory bowel disease
Clara Stewardson
- P1-079** Type I interferon expression requires transcriptional activation of IRF7 by the RNA binding protein SRSF7
Kristin Patrick
- P1-080** CTLA-4 signaling peptide induces tissue-regulatory T cells in response to IL-33 and ameliorates experimental autoimmune encephalomyelitis.
Gil-ran Kim
- P1-081** Primary Immune Regulatory Disorders (PIRDs) that amplify mTOR signaling have shared T cell exhaustion-like process
Sarah Henrickson
- P1-082** Functional and molecular analysis of SKAP2 in T lymphocytes
Mara Cetty Spinella
- P1-083** Human heterozygous TBK1 variations lead to autoinflammation
Yemsratch Akalu
- P1-084** IL-17-induced C/EBP δ underlies inflammation in autoimmune kidney pathology
Ipsita Dey
- P1-085** Targeting CCL17 to ameliorate inflammatory arthritis
Adrian Achuthan
- P1-086** ISG15 Deficiency as possible mediator of Lung Fibrosis
Christos Sazeides
- P1-087** Anti-Inflammatory Effects of the Combination of LMT-28 and Kaempferol in a Collagen-Induced Arthritis Mouse Model
Hee Jung Kim
- P1-088** Structural and biophysical characterization of an alternative IL-37 receptor complex
Julie Andries
- P1-089** Novel antagonistic anti-TSLP Nanobodies targeting the low affinity IL-7Ra binding site
Iva Markovic
- P1-090** Detection of Cardiotrophin-like Cytokine Factor 1 (CLCF1) by flow cytometry and validation of a new conditional knock-out mouse model
Véronique Laplante
- P1-091** TLR4 tyrosine phosphorylation: The old dog still has new tricks.
James Curson



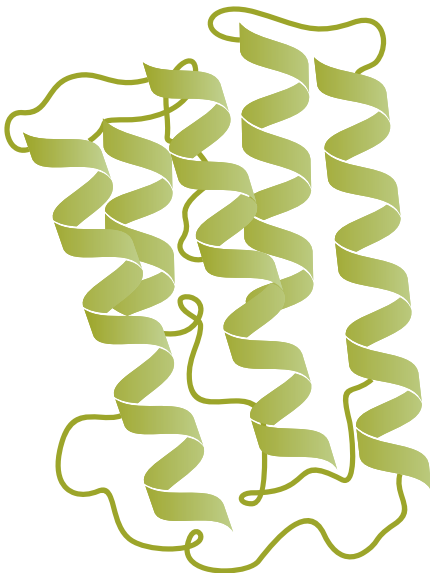
POSTER SESSION 1

Monday, 16 October

- P1-092** E3 ligases that promote antiviral immunity via type I interferon are associated with pathology in systemic lupus erythematosus
Lily Cheang
- P1-093** The CRISPR activation system, a tool for the identification of the CLCF1 immune cell receptor
Marine Rousseau
- P1-094** The RNA binding protein, HNRNPA2B1, functions in macrophages to regulate IFN gamma signaling.
Mays Mohammed Salih
- P1-095** Lymphocyte Regulomes in Health and Neurodegenerative Diseases
Han-yu Shih
- P1-096** Autosomal recessive STAT2 mutation leads to a type I interferonopathy by defective negative regulation
Angelica Lee
- P1-097** Impact of IL-12 variants on immune parameters associated with cytokine toxicity.
Zachary Lanzar
- P1-098** IL-31 produced by novel T cell subsets contributes to psoriasiform dermatitis
Marlys Fassett
- P1-099** Oral ACTH inhibits interleukin-17 in the central nervous system after adoptive transfer of Th1/Th17 T cells in the mouse model of MS, experimental autoimmune encephalomyelitis
Staley Brod
- P1-100** The Stimulation trough Nucleic Acid-Sensing TLRs Induces Differential Production of Midkine and Pleiotrophin by Innate APCs
Elias Said
- P1-101** Cytokine mimetics from parasites : a novel family of helminth TGF- β mimics bind immune cell receptors and drive differentiation of regulatory T cells
Kyle Cunningham
- P1-102** IL-27-induced dendritic cells resist HIV infection via SPTBN1, autophagy, and YB-1 independent manners.
Tomozumi Imamichi
- P1-103** TBK1 and IKK ϵ prevent cell death in response to TNF and IFN γ
Tijana Trivic
- P1-104** Maternal immune activation causes fetal demise in allogeneic- but not syngeneic-mated dams
Montserrat Arreguin
- P1-105** Gene Expression of Type2 and Non-type2 Inflammation in Chronic Rhinosinusitis with Nasal Polyps
Min-seok Kim
- P1-106** Galectin-4 Promotes Gastric Cancer Growth via Interaction with Truncated O-Glycans and Activation of the P38 Signaling Pathway.
Yiran Tian



- P1-107** IL6 knockdown abrogates a genotoxic bystander effect following chemotherapy exposure in a model of the human bone marrow.
Harshini Asurappulige
- P1-108** Targeting IL-2RB-STAT5 Signaling to Preserve T Cell Stemness: A Promising Approach to Overcome Exhaustion in Adoptive Cell Therapy for Cancer
Hélène Decaluwe
- P1-109** Combined Lactobacillus casei Shirota and gamma-aminobutyric acid supplementation alleviate IMQ-induced murine psoriasis-like skin inflammation
Bi-fong Lin





POSTER SESSION 2

Tuesday, 17 October

18:30 - 20:00

Poster Session 2 - discussions

Ilissos

- P2-001** An Emerging Paradigm of Heterogeneous Midkine Expression in Thyroid Cancer
Dimitra Anastasiadou
- P2-002** Deciphering Aryl Hydrocarbon Receptor's Impact on Cryptopatch Development, ILC3 Subsets, and Epithelial Responses
Stylianos Gnafakis
- P2-003** Rebalancing STAT signaling with non-natural cytokine receptor combinations to modulate immune cell functionality
Grayson Rodriguez
- P2-004** The extracellular IFI16 protein triggers TLR4-mediated inflammation via the PYRIN domain
Marco De Andrea
- P2-005** IL6-MEDIATED PARACRINE SENESCENCE DRIVES THE INTERCELLULAR COMMUNICATION WITHIN THE CYTOMEGALOVIRUS MICROENVIRONMENT IN RENAL EPITHELIAL CELLS
Stefano Raviola
- P2-006** Development of citraconate derivatives as novel ACOD1 inhibitors
Chutao Chen
- P2-007** Erythroid progenitors: unexpected orchestrators of fetal immunity
Rebecca Clements
- P2-008** IL-22 modulates microbiota-induced serotonin production to regulate early life gut motility
Soraya Rabahi
- P2-009** Effect of NT-17, a long-acting interleukin-7, on CD4 T cells during chronic LCMV
Christina Niavi
- P2-010** NT-17, a long-acting interleukin-7, promotes expansion and mobilization of virus-specific PD-1+TCF-1+ stem-like CD8 T cells during chronic viral infection
Judong Lee
- P2-011** Availability of IL-2 as a factor that regulates a transient expression of IL-10 by Th1 cells
Dragana Jankovic
- P2-012** Reovirus Z-RNAs Activate ZBP1 Dependent Cell Death
Carly DeAntoneo
- P2-013** Type I and II IFN crosstalk during Mycobacterium tuberculosis infection
Stefan Fattinger
- P2-014** Glutamine deficiency delays viral clearance of SARS-CoV-2 in Syrian hamster
Eun Young Oh
- P2-015** A long-acting form of recombinant human IL-7 shows biologic effect in both a pre-clinical model and a clinical study of Idiopathic CD4 Lymphopenia
Ainhoa Pérez-Díez



- P2-016** A baseline cytotoxic immune phenotype that stems from CD16+ NK cells is specifically associated with reduced responses to adjuvanted T-dependent Prevnar vaccine among older adults
Duygu Ucar
- P2-017** Distinct baseline immune characteristics associated with responses to conjugated and unconjugated pneumococcal polysaccharide vaccines in older adults
Duygu Ucar
- P2-018** A chimeric peptide derived from the Brucella virulent protein, TcpB, attenuates the production of pro-inflammatory cytokines in macrophages and mice.
Binita Roy Nandi
- P2-019** Chronicle of Inflammatory Changes in Liver and Adipose Tissue of High-Fat Diet Mice: Implications for Obesity-Induced Insulin Resistance
Heekyong Bae
- P2-020** Histone deacetylase 7 controls inflammatory cytokine production and systemic glucose metabolism
Yizhuo Wang
- P2-021** Glutamine-dependent solute carrier protein mediates pro-inflammatory cytokines to regulate glutamine production in tumor microenvironment to support gemcitabine chemoresistance in pancreatic cancer.
Hyeon Woong Kang
- P2-022** STK-026: A Novel IL-12 Partial Agonist for Cancer with Reduced NK-mediated Toxicity which Results in an Improved Therapeutic Window
Rene De Waal Malefyt
- P2-023** IL-2Rbeta/IL-2Rgamma Surrogate Cytokine Agonists (SCAs) Induce Activation of T and NK Cells In Vitro and In Vivo.
Rene De Waal Malefyt
- P2-024** IL-6-dependent reduction of REDD1 expression – a novel crosstalk between inflammation and metabolism
Anna Dittrich
- P2-025** CCL3-CCR5 axis in Kupffer cells plays a detrimental role in acetaminophen-induced acute liver injury
Yuko Ishida
- P2-026** IL-33 mediates steroid resistant eosinophilic inflammation dependent on the functions of allergen specific memory CD4 T cells
Yong Woo Jung
- P2-027** The influence of Lactobacillus fermentum 213 CCM 7158 on selected morphological parameters and cytokine profile in caecum of chickens
Robert Herich
- P2-028** Interferon-alpha induces cellular autophagy and mitophagy by inhibiting Akt/mTOR pathway in Hypothalamic POMC neurons.
Yeou San Lim



POSTER SESSION 2

Tuesday, 17 October

- P2-029** IL-33 regulates tissue remodeling via MAPK/ NF- κ B signal pathway in chronic rhinosinusitis
Heung-man Lee
- P2-030** Insights into the potential of Interleukin-37 as an anti-inflammatory therapeutic.
Claudia Nold
- P2-031** Anti-fibrotic and anti-polyp effects of IL-37 in chronic rhinosinusitis
Hyun-Woo Shin
- P2-032** Next-generation sequencing analysis revealed lunasin ameliorated inflammation, oxidative stress and glucose uptake in C2C12 myotubes
Pei-Ying Huang
- P2-033** IRF3-mediated CXCL1 expression regulates neutrophil infiltration in bacterial pneumonia
Zhang Yongliang
- P2-034** Plexin B1 controls the size of the Treg pool in vivo and limits allergic airway inflammation
Svetlana Chapoval
- P2-035** Exogenous Lipoxin A4 attenuates IL4-induced Mucin Expression in Human Airway Epithelial Cells
Eunhye Seo
- P2-036** Interaction between Innate Immune Cells and DRG Neurons Leads to the Epigenetic Memory upon Atopic Dermatitis condition
Jina Lee
- P2-037** Illuminating antiviral inflammation and neuroinflammation
Hannah Wiggett
- P2-038** Diesel exhaust particle impairs nasal epithelial barrier through activation of aryl hydrocarbon receptor in rhinitis model
Gwanghui Ryu
- P2-039** Cytokine affinity tuning using the AlphaSeq platform to generate targeted immuno-oncology therapeutics
Davis Goodnight
- P2-040** Type 2 immunity promotes neonatal pulmonary stem/progenitor activity through STAT6 signaling axis
Chein-chia Liao
- P2-041** Elucidating the Role of Steady-State Th1 Cells in CNS Physiology
Tomomi Yoshida
- P2-042** CYTOKINES IN ASTHMA: TYPE 2 AND BEYOND
Jamie Orengo
- P2-043** The effect of interleukin-1 on the development and function of neonatal SSEA1+ lung stem cells
Chia-Lin Weng



- P2-044** Sorbus commixta promotes antimicrobial responses through Autophagy activation via the AMP-activated protein kinase pathway in Allergic asthma.
Hye-mi Lee
- P2-045** Type 2 diabetics have an elevated level of NLRP3 inflammasome activation
Hye-mi Lee
- P2-046** Understanding mechanisms by which microbially derived metabolites regulate host gut inflammation.
Elektra Robinson
- P2-047** Interferon-Alpha Subtype-Specific Effect Against Hepatitis B Virus in IFNAR-Humanized Mouse Model
Asha Ashuo
- P2-048** Tensor factorization maps dysregulation of immune signaling in breast cancer patients
Brian Orcutt-Jahns
- P2-049** Construction of RNAi against Th2-related cytokines for the treatment of animal model of atopic dermatitis
Meng Xuan Lai
- P2-050** Characterization of the exosomes secreted by regulatory T cells induced by B cells
I-Yen Cheng
- P2-051** Enteric nerve system and immune cell interaction regulates intestinal inflammation
Seongjoon Ko
- P2-052** Folate deficiency enhancing high-fat high-fructose diet-induced kidney fibrosis in mice
Chun-Wai Chan
- P2-053** Higher hepatic pro-inflammatory cytokines in folate-deficient mice fed with high-fat high-fructose diet
Chun-Wai Chan
- P2-054** Expression and functional role of the chemokine CCL17 in the developing murine brain
Judith Eberhard
- P2-055** Inotodiol alleviate mucosal inflammation in eosinophilic CRS mouse model
Yong Min Kim
- P2-056** PD-L1-directed PIGF/VEGF blockade synergizes with chemotherapy by targeting CD141+ cancer-associated fibroblasts in pancreatic cancer
Keehoon Jung
- P2-057** Type I IFN receptor stabilization at hepatic metastatic site
Lorena Maria Ferreira
- P2-058** Activation of futile thermogenic triacylglycerol cycling in adipocytes is controlled by IL-4
Svetlana Michurina



POSTER SESSION 2

Tuesday, 17 October

- P2-059** The Circadian gene *Per2* regulates inflammation through targeting *BMAL1* & *GATA3* expression in vitro and in vivo experimental model
Tae Jin Kang
- P2-060** Identifying microbial gene responsible for eye colonization and effects on in vivo IL-17 production
Yannis Rigas
- P2-061** Cytokine-based immunotherapy with long-acting human recombinant IL-7 in HPV-related diseases associated with idiopathic CD4 lymphopenia
Andrea Lisco
- P2-062** Playing with Fire: Exploring the Impact of Temperature on Human Immune Responses
Elizabeth Maloney
- P2-063** *Il9r* floxed mice: a novel tool to study IL-9 signaling in vivo
Ishita Baral
- P2-064** Biometabolites of Citrus unshiu Peel Enhance Intestinal Permeability and Alter Gut Commensal Bacteria
Sehui Lee
- P2-065** Induction of Anisakis-specific IgE dependent on commensal bacteria in stomach during gastric Anisakis infection
Chikako Shimokawa
- P2-066** Modeling of the human interleukin 12:receptor complex allows to engineer attenuated cytokine variants
Isabel Aschenbrenner
- P2-067** Effects of Gamma-aminobutyric Acid on Cytokines Secretions of 3T3-L1 adipocytes
Te-I Chiu
- P2-068** Tissue Resident IFN γ -producing CD8 T Cells limits tissue damage to intestinal helminth infection by remodeling the stromal network
Susan Westfall
- P2-069** Anti-inflammatory effects of *P. acidilactici* isolated from canine feces against DSS-induced colitis
Tae-sung Lee
- P2-070** Visceral mesenchymal stem cells from type 2 diabetes donors activate triglycerides synthesis in healthy adipocytes via metabolites exchange and cytokines secretion
Iurii Stafeev
- P2-071** ONCOSTATIN M EXPRESSION by PERIPHERAL BLOOD MONOCYTES is ELEVATED IN INFLUENZA H1N1 INFECTION
Carl Richards
- P2-072** THE CYTOSOLIC DNA SENSOR AIM2 PROMOTES HELICOBACTER-INDUCED GASTRIC PATHOLOGY VIA THE INFLAMMASOME
Ruby Dawson
- P2-073** The role of factor X in cancer pyroptosis
Won Jin Woo



- P2-074** Role of IL22Ra and its C-terminal region in cancer and inflammatory diseases
Lena Puigdevall
- P2-075** Involvement of IL-24 in skin carcinogenesis
Mathilde Choteau
- P2-076** The expression map of the type III interferon receptor in the mouse
Artemios Piperakis
- P2-077** Investigation of intestinal cell signaling pathways on local and systemic immunity to cancer
Marina Yakou
- P2-078** Polyunsaturated lipid mediator networks determine COVID-19 severity and risk for critical illness
Maria Papadaki
- P2-079** SERTOLI CELLS MODULATE CYTOKINE ENVIRONMENT IN A MOUSE MODEL OF TESTICULAR INFLAMMATION
Natálie Fikarová
- P2-080** Mitochondria in intercellular communication between stem and immune cells
Veronika Somova
- P2-081** Immune Cell Response during Cold Tolerance and Thermogenesis
Daniel Vašek
- P2-082** IFN- α and Cytokine Production Tests: What Can They Tell Us?
Kazuko Uno
- P2-083** The role of Intracellular Interleukin-1 α (IL-1 α) in Breast Cancer Progression
Mathumathi Krishnamohan
- P2-084** Osteoclastogenic cytokines enriched in bone metastases induce the formation of osteoclast-breast tumor hybrids that can potentially facilitate bone metastatic disease progression
King Hoo Lim
- P2-085** Chemotherapy in combination with Toll-like receptor agonism promoted antitumor immune response in triple negative breast cancer
Eunice Dotse
- P2-086** IL-27 gene therapy inhibits lethal autoimmunity in Scurfy mice
Jin-Qing Liu
- P2-087** Celastrol exhibits antitumor activity in melanoma by inhibiting the binding of CD25 through targeting IL-2
Joong-woon Lee
- P2-088** TNF α -induced PTX3 regulates actin cytoskeleton in glioma
Miss Kirti
- P2-089** Elucidating the role of metabolism in regulating cytokine signaling in IDH1 mutant gliomas
Sonia B Umdor



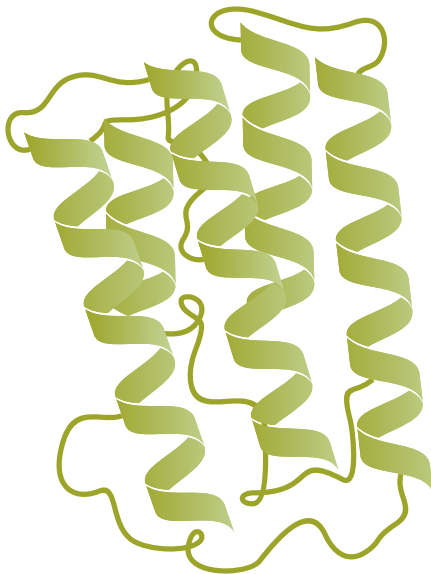
POSTER SESSION 2

Tuesday, 17 October

- P2-090** Air Pollutant PM2.5 affects the initiation of allergic inflammation and exerts different disease outcome in naïve and asthmatic mice.
Tien-Hsuan Chen
- P2-091** Role of Interleukin-15 in the progression of liver fibrosis
Sheela Ramanathan
- P2-092** Altered profiles of circulating cytokines in chronic liver diseases (NAFLD/HCC): Impact of the PNPLA3-I148M risk allele?
Iris Behrmann
- P2-093** The effects of dietary GABA on the cytokine secretions and renal inflammation and nerve formation of von Hippel-Lindau knock-out mice
Alana Barretto
- P2-094** Cell-type specific transcriptional regulation of APOBEC3A highlights its role in fueling mutagenesis and modulating tumor immune microenvironment
A Rouf Bandy
- P2-095** STAT2 MEDIATES REPROGRAMING OF LIPID METABOLISM IN COLORECTAL CANCER
Ana Gamero
- P2-096** Role of IL-21 during Cryptosporidium infection
Breanne Haskins
- P2-097** Creating an adjuvant bank for oral vaccines, using spore display technology.
Laurie Fortin
- P2-098** A Longitudinal Investigation of Molecular Bacterial Vaginosis and Cytokine Relationship after Metronidazole Treatment in Women
Courtney Broedlow
- P2-099** Neuroprotection of L-dopa treatment inducing IL-13 expression in cerebral ischemia
Subin Mun
- P2-100** Characterization of STAT2 Function in Cancer
Jorge Canar
- P2-101** Recombinant IL-7 administration protects host from a wide range of acute respiratory virus infection through IL-17A-producing innate-like T cells
Subin Park
- P2-102** A noncanonical RIG-I pathway triggers cancer cell-specific death
Keigo Sato
- P2-103** hetIL-15 reshapes tumor microenvironment of pancreatic ductal adenocarcinomas, introducing a new type of CD103intCD11b+ Dendritic Cells and enhancing cytotoxic cell activation
Sevasti Karaliota
- P2-104** POTENTIAL OF INFECTIOUS BURSAL DISEASE VIRUS (IBDV) AS A NOVEL VIROTHERAPY FOR GLIOBLASTOMA
Javier Arranz



- P2-105** Cytokine-Specific Phenotypes in PBMCs Revealed by nELISA High-Throughput Proteomics
Milad Dagher
- P2-106** The drug retention rates between the drugs for urate-lowering therapy in Korean patients with gout: data from the Health Insurance Review & Assessment claims database
Seung-jae Hong
- P2-107** Sex-based differences are driven by microbiome composition in a model of CD-like ileitis
Hannah Wargo





POSTER SESSION 3

Wednesday, 18 October

12:30 - 14:30 Poster Session 3 - discussions **Ilissos Foyer / Ilissos Meeting Room**

- P3-001 Durable cytokine-mediated reprogramming of antifungal immunity during chronic inflammation
Iliyan Iliev
- P3-002 Machine Learning-Guided Design of Naturally Occurring and Synthetic Cytokines for Precise Cellular Targeting and Controlled Responses
Mohamad Abedi
- P3-003 The two faces of Nij1: exacerbating Inflammation and attenuating infections
Rahul Gupta
- P3-004 The Involvement of PBRM1 in Alveolar Macrophage Signaling and Immune Function
Hannah Mandias
- P3-005 Neurotropic vesicular stomatitis virus infection induces changes in the transcriptome of CNS resident myeloid cells that are critical for leukocyte recruitment
Inken Walzl
- P3-006 Sirt6 suppress type 1 IFN response through IRF3 deacetylation
So Hyun Park
- P3-007 Study of the Role of Genetic Mutations and Cancer Associated Macrophages in Development of Colorectal Cancer Metastases
Nino Chigvinadze
- P3-008 Uncovering novel mechanism of pathogenesis in Hidradenitis suppurativa (HS)
Chander Raman
- P3-009 Effect of chronic stress on the secretion of IgA in lung from Balb/c mice
Aldo Arturo Resendiz-Albor
- P3-010 Collaborative Cross screen identifies quantitative trait loci (QTL) for rapid coronavirus clearance.
Vineet Menachery
- P3-011 Lipid nanoparticle induced IL-27 promotes vaccineelicited memory CD8+ T cells
Anthony Phan
- P3-012 Bacillus species Regulates Lipid Accumulation and Inflammation in High Fat Diet-induced Obesity Mice
Jieun Chae
- P3-013 Electroporation-mediated delivery of mRNA vaccine induces protective immune responses
Min-seok Kim
- P3-014 Recombinant SARS-CoV-2 Spike Protein stimulates secretion of Chymase, Tryptase and IL-1 β from human mast cells, augmented by IL-33
Eirini (Irene) Tsilioni
- P3-015 TGF- β producing Innate Lymphoid regulatory Cells (ILCregs) contribute in towards immunopathology of Lepromatous Leprosy
Chaman Saini



- P3-016** A Feeder-Free Workflow for the Expansion and Gene Editing of Human Blood Natural Killer Cells
Monica Romera Hernandez
- P3-017** Comparative cytokine response in human and insectivorous bat cells infected with SARS-CoV-2
Kaushal Baid
- P3-018** Fractalkine/CX3CR1 axis contribute to renal fibrosis induced by unilateral ureteral obstruction
Yuya Iwahashi
- P3-019** The NF- κ B binding site in the *Irfn1* promoter is indispensable for resistance to pathogenic viruses and defines a predominant role of *Irfn1* over *Irfn* genes
Carolina R Melo-Silva
- P3-020** Establishment of a *Cynomolgus* Macaque Model for Acute SEB Intoxication
Eun-ha Hwang
- P3-021** Adenovirus mediated expression of porcine epidemic diarrhea virus (PEDV) S1-ferritin nanoparticles induced significant neutralizing antibody response against PEDV in mouse models
M. S. B. W. T. M. Nipuna Sudaraka Tennakoon
- P3-022** An IL-23 reporter strain reveals the developmental identity and functional regulations of the IL-23-producing gut cDC2s that mediate mucosal host defense against infectious pathogens
Daiya Ohara
- P3-023** CD160 serves as a co-inhibitory receptor in bacterial sepsis by regulating the iNKT-NK cell axis
Hyojeong Ha
- P3-024** Regulatory function of PTP4A2 on cytokine and chemokine expression in lung epithelial cells in response to viral infection
Madhushanee Weerasooriya
- P3-025** Positive regulation of Innate Immune signaling by TRIM65 through the facilitation of IRF3 recruitment to chromatin and increase ability to bind to promoters
Danae Fonseca
- P3-026** Interleukin 26 induces acute inflammation.
Yo Okamura
- P3-027** IL-1 β exacerbates the lung pathology of mice with pulmonary infection of *Mycobacterium abscessus* by increasing IL-17 production
Do-heon Jung
- P3-028** Cellular Senescence in Lung and Nasal Epithelial Cells Result in Elevated Pro-inflammatory Cytokine Production in Human Monocyte/Macrophages.
Woorim Song
- P3-029** IFN responses induced by fractionated viral RNA replication products of influenza A virus, Zika virus and SARS-CoV-2
Miao Jiang



POSTER SESSION 3

Wednesday, 18 October

- P3-030** Cytoplasmic ATM mediates manganese-dependent phosphorylation of TBK1 and enhances innate immune response
Hongyan Sui
- P3-031** Multi- "omic" analysis reveals dynamic relationships between the metabolome, cytokine profile, and gut barrier integrity in multiple COVID-19 cohorts
Candace Guerrero
- P3-032** Regulation of antibody responses by the transcription factor TFEB
Hyun-sup Song
- P3-033** IL-4-induced IgE isotype switching is enhanced by IRG1/itaconate in B cells
Professor Seok-Rae Park
- P3-034** Profiling of Immune Infiltrates in Relapsing-Remitting Experimental Autoimmune Encephalomyelitis Reveals Dynamic Changes in Myeloid Cells
Dr Asiel Benitez
- P3-035** IL-15 promotes self-renewal of progenitor exhausted CD8 T cells during persistent antigenic stimulation
Kyungmin Lee
- P3-036** Interferon-Induced Transmembrane Protein 3 (IFITM3) Provides an Innate Immune Barrier to Influenza Virus Interspecies Infection and Adaptation
Jacob Yount
- P3-037** Mechanism of type I interferon repression by the epigenetic reader SP140
Kristen Witt
- P3-038** A unique subpopulation of naïve CD4+ T cells exhibits distinct effector function in response to cytokine stimulation
Jae-Won Yoon
- P3-039** Effective Mucosal Adjuvantation in an Intranasal Enterovirus A71 Vaccine with Fungal Zymosan
Chiao-Li Chin
- P3-040** Trogocytic molting of T cell microvilli upregulates T cell receptor surface expression and promotes clonal expansion
Chang-duk Jun
- P3-041** SARS-CoV-2 ORF6 protein targets TRIM-25 mediated ubiquitination of RIG-I to mitigate Type I Interferon Signalling
Oyahida Khatun
- P3-042** Using a Fibroblast Zoo to Interrogate Intrinsic Barriers in Cross-Species Viral Replication
Clayton Mickelson
- P3-043** Lysophosphatidylcholine modulates the inflammatory immune cell response to favor Leishmania major infection in vivo
Nabila Tounsi
- P3-044** Distinct type I interferon subtypes differentially stimulate T cell responses in HIV-1-infected individuals
Zehra Karaköse



- P3-045** Modulation of Friend Virus-specific CD4+ T cell responses by different IFN α subtypes
Mara Schwerdtfeger
- P3-046** Reprogramming inflammatory myeloid cells by SIK2 inhibition
Laura McMillan
- P3-047** Dynamic regulation of Caspase-5, a functional protein in the inflammatory response in the in vitro co-culture pneumonia model.
Aldona Jeznach
- P3-048** Generation and Function of the soluble IL-2Ra/CD25
Juliane Lokau
- P3-049** Comparison Between the Human and Avian IFN-Induced Immune Response to Influenza
Alison Barkhymer
- P3-050** Preclinical Validation of alphaSEPT, an engineered human Cytokine, as a Next-Generation Immunotherapy
Julia Behnke
- P3-051** Pro- and anti-viral responses of cytomegalovirus-exposed human monocyte-derived dendritic cells
Bibiana Costa
- P3-052** The serine/threonine protein kinase PknF of Mycobacterium tuberculosis represses bacterial virulence and host cell NLRP3-inflammasome activation in mice via unrelated pathways
Volker Briken
- P3-053** Protective effects of Heat-killed Lactobacillus sakei CVL-001 on DSS-induced colitis
Dong-yeon Kim
- P3-054** Maturation of cerebral organoids dictates permissiveness to Enterovirus-D68 infection and subsequent IFIT1 expression
Christine Vazquez
- P3-055** The role of cell-to-cell communication in modulating combinatorial TLR responses
Erick Salvador Rocha
- P3-056** Inflammatory profile induction of BMDM after co-/superinfection of Influenza virus and S. pneumoniae.
Javier Arranz Herrero
- P3-057** Macrophage activation by Zymosan: a new insight.
Michal Levy
- P3-058** Association of inflammatory cytokines with lung function, chronic lung diseases and COVID-19
Marina Rontogianni
- P3-059** Bypassing the induction of IFN- γ -secreting cells correlated with an increased risk of HIV-1 infection via intrastructural help
Vladimir Temchura



POSTER SESSION 3

Wednesday, 18 October

- P3-060** Cell type-specific cross-talk of type I and III interferon pathways determines the prioritization of the interferon response
Ioanna-Evdokia Galani
- P3-061** IL-23 is dispensable for differentiation of Th1* and maintenance of Th1* and Th17 memory T cells
Julia Puchan
- P3-062** Evaluation of interferon signature as a biomarker in human biofluids by multiplexed immunoassay
Sarah Baines
- P3-063** A sequential network of functionally linked death complexes triggers pyroptosis and IL-1 β release in response to pathogen blockade of immune signaling
Ronit Schwartz Wertman
- P3-064** Discovery and characterization of novel peptides in inflammation and immunity
Eric Malekos
- P3-065** Investigating how soluble Interferon-alpha Receptor 2 affects interferon signaling
Olivia Joyner
- P3-066** A three-step process for regulatory T cell development in thymus
Wanjun Chen
- P3-067** Type I interferons promote natural killer cell-mediated inhibition of early anti-influenza antibody responses
Vasileios Samelis
- P3-068** IFN- β exposure and ARTS deficiency promote the generation of hyper-efferocytic Ly-6C⁺ macrophages during the resolution of inflammation
Amiram Ariel
- P3-069** Differential innate antiviral signaling in human and bat cells
Karen Mossman
- P3-070** Type III interferons regulate hyperinflammation and prevent neuroinvasion during genital HSV-2 infection
Emily Feng
- P3-071** Gasdermin B (GSDMB) associates with, and regulates, GSDMD in intestinal-derived goblet cells and is upregulated in inflamed tissues of ulcerative colitis (UC) patients
Joseph Williams
- P3-072** Attenuated CMV infection impairs cytokine production of memory T cells
Sandra Dimonte
- P3-073** *Candida tropicalis* infection during DSS colitis induces expansion of IL-1-beta and IL-23-producing NOD2-expressing macrophages
Kaylynn Vidmar
- P3-074** The Temporal Regulations of 14-3-3 η in MDA5-Dependent Type-I Interferon Induction
Yun-Jui Chan



- P3-075** MDA5-bound IFN-Stimulated Long Non-Coding RNAs Enhances Type I IFN Induction
Fu Hsin
- P3-076** The cross-species role of coronavirus nucleocapsid protein in innate immune evasion and its effect on viral replication
Larissa Laine
- P3-077** IL-38 shapes regulatory T cell activation
Arnaud Huard
- P3-078** Utilising IFN-lambda stimulation and systematic analysis of viral regulation to identify novel mechanisms of innate immunity.
Joanne Kite
- P3-079** Macrophages negatively regulate interferon responses during viral respiratory infection
Daisy Hoagland
- P3-080** IL-27 produced during acute malaria infection regulates the development of unique parasite-specific memory CD4+ T cells
Katsuyuki Yui
- P3-081** Age-dependent expression and antiviral activity of IFNε in respiratory airway epithelium.
Mary McCabe
- P3-082** TRIM14 Regulates Mitochondria Homeostasis During Mycobacterium tuberculosis Infection
Cory Mabry
- P3-083** Deficiency of NAD(P)H:quinone oxidoreductase 1 Alleviates Inflammation through Regulation of TLR Signaling Pathway
Tae-hwan Kim
- P3-084** Investigate the role of IRF5 in macrophages and myeloid cells in anti-tumor immunity.
Meijun Wang
- P3-085** Structural and functional insights into the role of Themis1 in T cell receptor signalling
Danielle Clancy
- P3-086** Systematic characterisation of IFN stimulated genes and pathways in normal physiological and pathological states
Izzy Newsham
- P3-087** 'Take 1' on TAOK2: structural insights into TAOK2 and its involvement in antiviral cytokine signaling
Lisse Thierens
- P3-088** TLR9 IFNα responses are highly variable and are associated with clearance of acute hepatitis C virus infection.
Jamie Sugrue



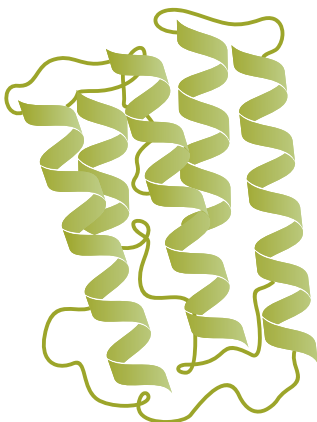
POSTER SESSION 3

Wednesday, 18 October

- P3-089** High-dimensional immunomonitoring of human immune cell subsets by spectral flow-cytometry
Annett Ziegler
- P3-090** DDX3X suppresses RIG-I dependent type I Interferon production and promotes Mammarenavirus growth
Carolina Chiale
- P3-091** Cell line adaptation of fowl adenovirus-4 induces genetic modification and generates protective immunity
Jeongho Park
- P3-092** Fruits extract from *Astilbe chinensis* promotes anti-mycobacterial activity in macrophages
Doyi Son
- P3-093** Identification of neuronal interferon-dependent antiviral signaling upon viral infection
Seble Negatu
- P3-094** Peroxiredoxin 4 links redox signaling to antiviral innate immunity in hepatocytes
Vasile Mihai Sularea
- P3-095** IL-1 and chemokine responses are modulated by long-term in vivo vitamin D3 supplementation in the bovine model
Cian Reid
- P3-096** Hyper-induction of IL-6 in response to TLR1/2 ligand stimulation in calves with bovine respiratory disease
Cian Reid
- P3-097** Convergent evolution of SARS-CoV-2 variants of concern to enhance innate immune suppression
Ann-Kathrin Reuschl
- P3-098** Innate Lymphoid Cells Reside in the Human Female Reproductive Tract and Display Antiviral Properties
Alexandra Werner
- P3-099** Gasdermin D modulates the protective cGAS/STING/ type I Interferon pathway in schistosomiasis.
Parisa Kalantari
- P3-100** Noroviruses encode a MLKL-like pore forming protein that initiates cell death to induce viral egress
Tiffany Reese
- P3-101** IFNAR signaling plays a role regulating redox responses of brain and peripheral myeloid cells.
Chi Weindel
- P3-102** Mitochondrial ROS promotes susceptibility to Mycobacterial tuberculosis infection via gasdermin D-mediated necroptosis
Robert Watson



- P3-103** Interleukin 27 (IL-27) signaling at the maternal-fetal interface contributes to innate antiviral immunity during congenital infection
Madeline Merlino
- P3-104** IL-27 signaling supports regulatory T cells at steady state and during infection
Zachary Lanzar
- P3-105** IL-27 regulates monocyte development and function during acute *Toxoplasma gondii* infection
Daniel Aldridge
- P3-106** Deep Characterization of Viral- and Self-Peptide Induced Cellular Immune Responses
Eva Zemlickova
- P3-107** Antagonism of Innate Immune is not a Mechanism of Hantavirus Persistence in Reservoir
Stefan Klimaj
- P3-108** The role of CD200 in the development and function of regulatory T cells induced by B cells
Yu-Ting Liu
- P3-109** Zika virus infection induces IL-1 β -mediated inflammatory responses by macrophages in the brain of an adult mouse model
Doyeon Kim
- P3-110** Humoral Immunity against SARS-CoV-2 in Patients with Solid Cancer
Eunjin Lee
- P3-111** Loss of methyl-CpG binding protein 2 (MeCP2) disrupts IFN responses to influenza A virus infection
Matthew McFadden





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Poster Session 1 – discussions: Monday, October 16, 16:30 – 18:00

Posters will be on display on Monday, October 16 from 08:00-18:00

Poster mounting: Monday, October 16 as of 07:30

Poster removal: Monday, October 16 from 18:00-19:00

Please note that posters not removed until Monday, October 16 at 20:00 will be taken down and will not be stored or sent to the authors after the meeting.

Poster Session 2 – discussions: Tuesday, October 17, 18:30-20:00

Posters will be on display on Tuesday, October 17 from 08:00-20:00

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Poster removal: Tuesday, October 17 from 20:00-21:00

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Poster Session 3 – discussions: Wednesday, October 18, 12:30-14:30

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Poster removal: Wednesday, October 18 from 14:30-15:30

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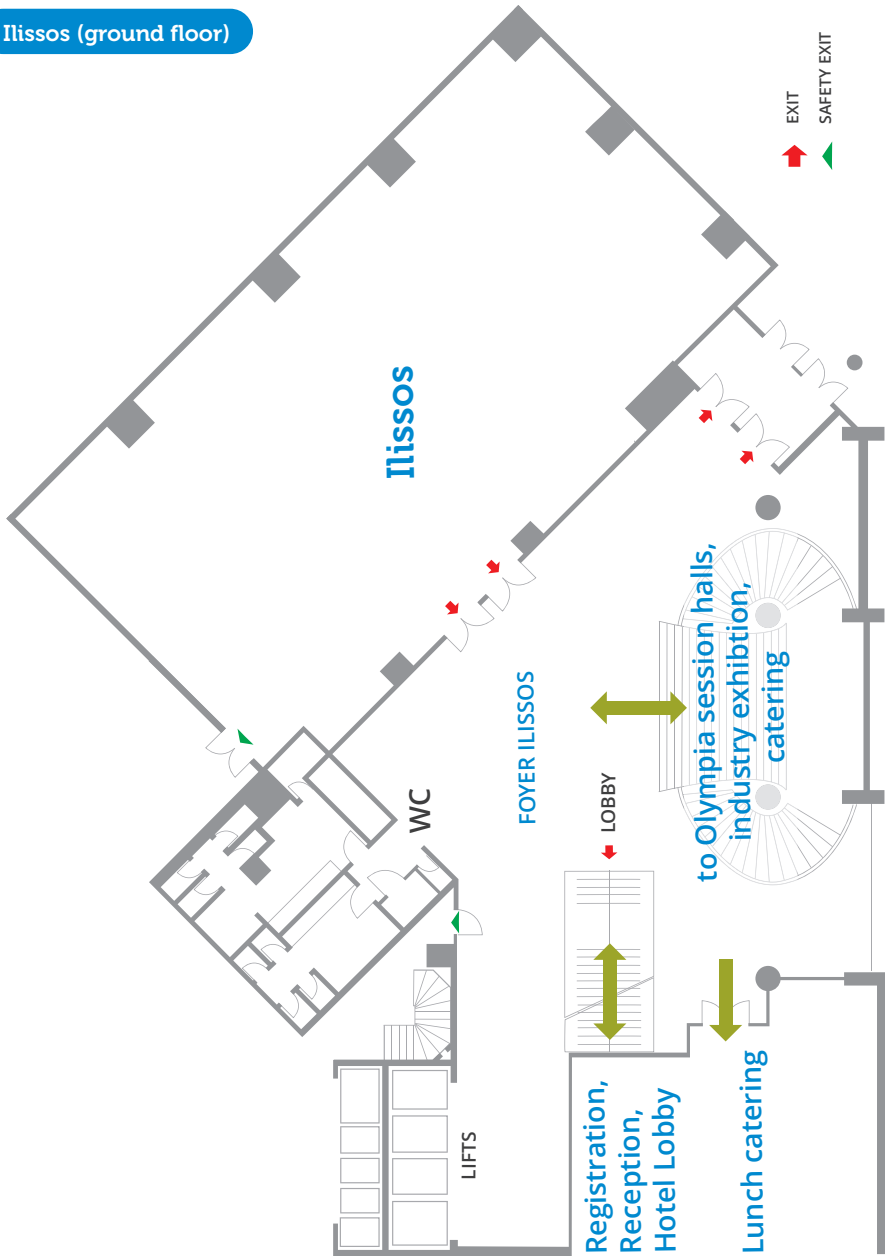
Abstracts

Abstracts presented at Cytokines 2023 are available on the congress website



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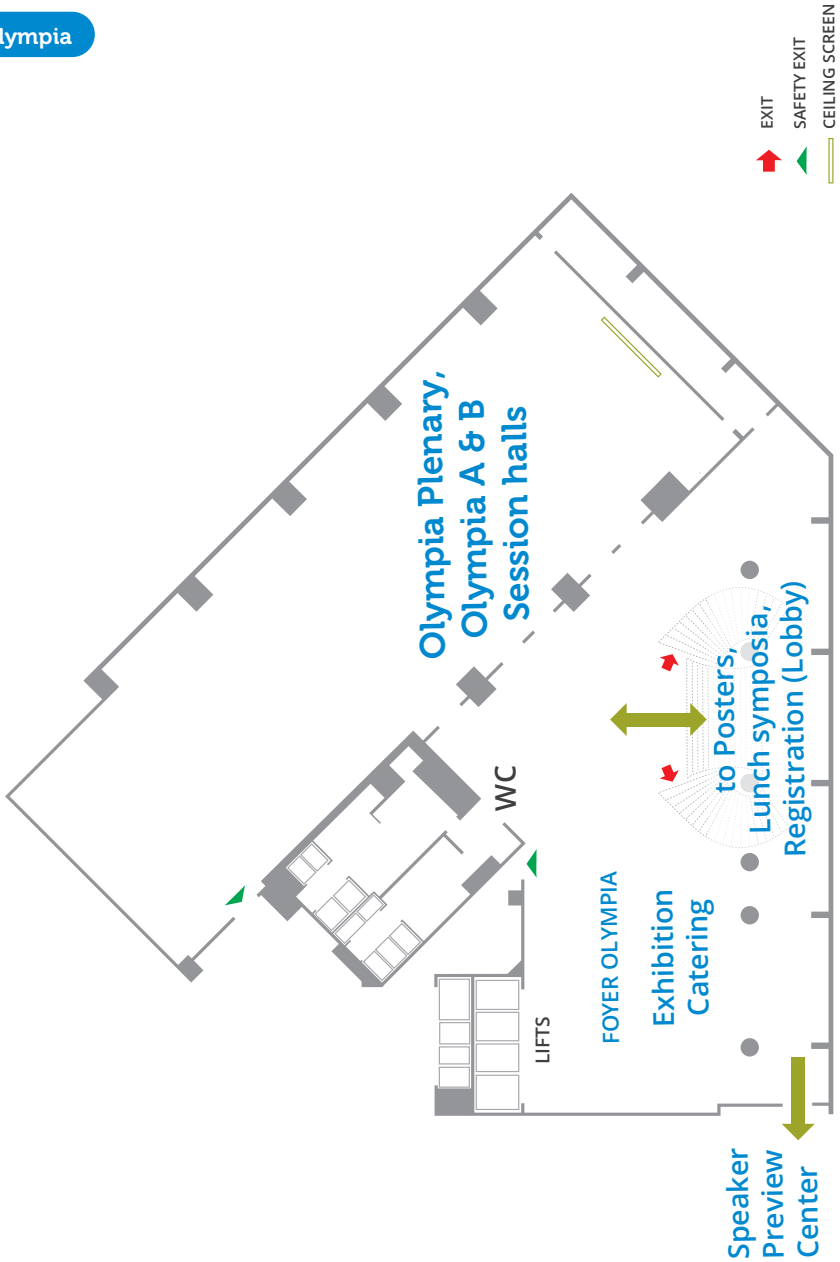
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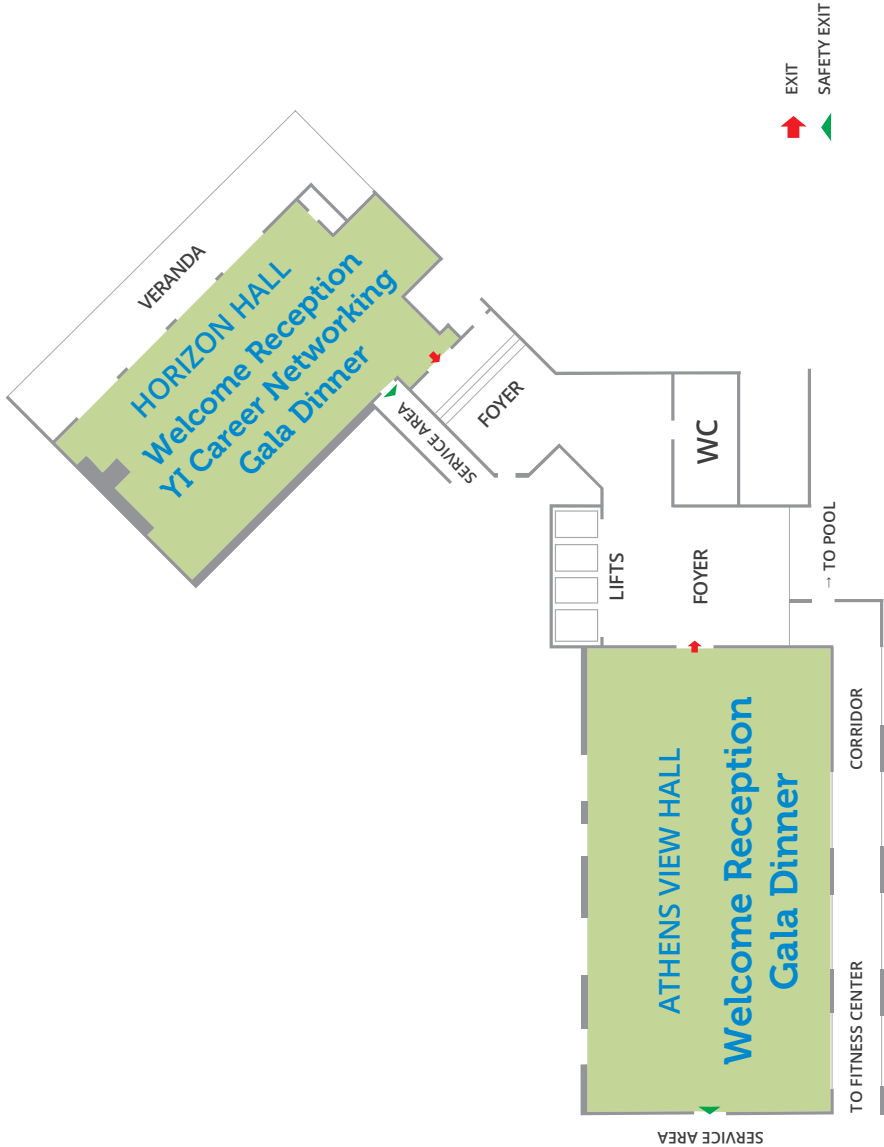
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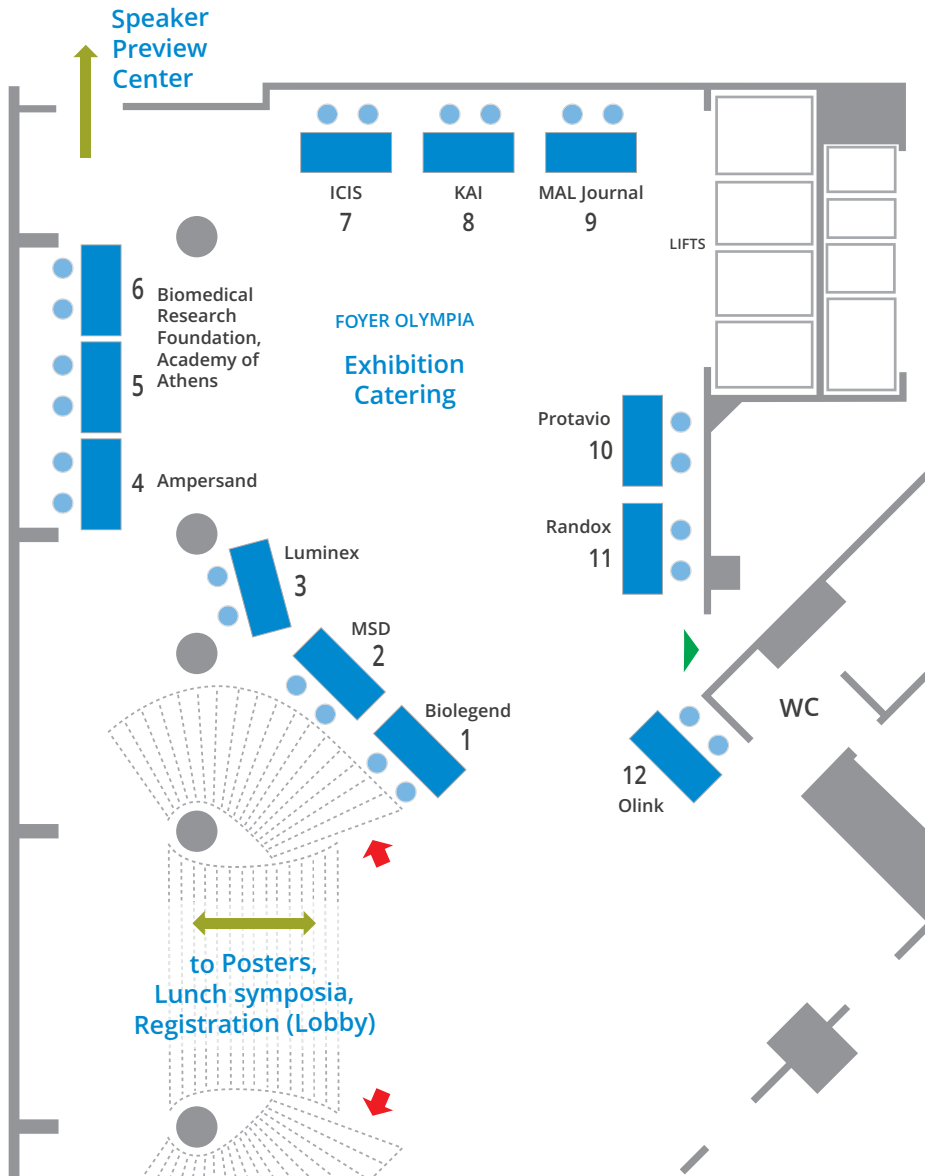
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Roof Garden floor (9th floor) – Networking Events





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Welcome Reception

Date, Time: Sunday, 15 October, 19:30 – 21:30

Venue: Divani Caravel Hotel – Roof Garden Floor (9th floor)

Included for registered delegates and ticketed accompanying persons.

Please wear your congress badge

Acropolis Museum

Date, Time: Monday, 16 October, 19:00 – 21:30

Venue: Acropolis Museum, Dionysiou Areopagitou 15, 11742 Athens, bus transfer included.

Bus transfers: Meeting point in the hotel lobby for buses departing from 18:30

Ticket required - Please wear your congress badge

ECR Networking

Date, Time: Tuesday, 17 October, 20:15 – 21:45

Venue: Divani Caravel Hotel – Roof Garden Floor (9th floor)

Included for all registered Students & Postdocs and by invitation.

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Gala Dinner

Date, Time: Wednesday, 18 October, 18:30 – 21:30

Venue: Divani Caravel Hotel – Roof Garden Floor (9th floor)

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with entertainment by the Metabollix led by Luke O'Neill





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