

Frontiers in Inflammation Research: Mechanisms, Mediators and Biomarkers in the Onset and Resolution of Inflammation

September 29-October 2, 2025

Supported by



Monday, 29. September 2025		
16:00	Arrival	
16:30	Bernhard Brüne, Paola Patrignani, Marco Racchi, Angelo Sala, Dieter Steinhilber	Welcome – general info etc
	Inflammation & Cancer	
	Chairperson	Sara Di Berardino
17:00	Adriano Rossi	Strategies to limit inflammation and enhance inflammation resolution to promote tissue repair and regeneration
17:30	Tobias Schmid	Regulation of protein translation in cancer and inflammation
18:00	Cristina Travelli	Pharmacological Modulation of the Gut–Bone Marrow Axis in Inflammatory Bowel Diseases
19:30	<i>Aperitivo at Villa del Grumello</i>	

Tuesday, 30. September 2025		
	Platelets & Leukocytes	
	Chairperson	Stefania Tacconelli
9:00	Wiebke Reddemann	In Vitro Modeling of Vascular Leakage and Leukocyte Migration Under Static and Flow Conditions
9:10	Kelvin Cheng	Fishing for Clues: Immunomodulation for Microbial Keratitis
9:20	Rebecca Ainslie	Investigating the contribution of neutrophils to endometrial repair processes
9:30	Carlo Patrono	Platelet Thromboxane A2, Fifty Years Later: A Tribute to Bengt Samuelsson

10:00	Paola Patriganì	The Crucial Role of Platelets in Colorectal Tumor Development and Metastasis through Cyclooxygenase-1-Dependent Thromboxane A2: A Key Target for Anticancer Therapy
10:30	<i>Coffee</i>	
	<i>Platelets & Lipids, LO</i>	
	Chairperson	Luigi Sironi
11:00	Alessia Becchetti	Platelets and inflammation: exploring coagulation dependent pathways
11:10	Sara Di Berardino	The role of mPGES-1 inhibitors and chemotherapeutic agents in 3D cultures of glioblastoma: development of a model to screen novel chemotherapeutic agents for treating glioblastoma
11:20	Sofie Meyer	GM-CSF downregulates type I IFN responses in glioblastoma-associated monocytes
11:30	Marina Camera	Emerging biomarkers in coronary artery disease
12:00	<i>Short break</i>	
12:10	Tom Bauer	Investigations on the effects of carbapenems on the leukocyte–endothelial interactions in models of pulmonary inflammation
12:20	Majeda Muluhie	Beneficial Effects of Montelukast in Stroke-Induced Neurodegeneration in Aged Mice
12:30	Bernhard Brüne	ALOX enzymes in immunity and inflammation
13:00	<i>Lunch</i>	
	<i>More Lipids, LO</i>	
	Chairperson	Astrid Kahnt
14:30	Simone Marcone	Modulating Inflammation Through Cysteinyl Leukotriene Receptor Antagonism: Novel Approaches to Tumour Progression and Therapeutic Targeting
15:00	Erdem Aybay	Reducing cardiotoxicity by mPGES-1 inhibition in human ex vivo model of cancer treatment
15:10	Milena Betz-Bessler	Anti-tumorigenic effects of nitro-fatty acids
15:20	Stefania Tacconelli	A broad-spectrum lipidomics of whole blood to discover novel anti-inflammatory agents
16:00	<i>Coffee</i>	
	Chairperson	Tobias Schmid
16:45	Verena Roth	Formulating lipid nanoparticles as a platform technology for mRNA vaccines
16:55	Dieter Steinhilber	Canonical and noncanonical functions of lipoxygenases in the onset and resolution of inflammation
17:25	Luke Conroy	Lipoxin-A4 and Liraglutide modulate the inflammatory response in a macrophage model of early diabetes-associated atherosclerosis
17:35	Astrid Kahnt	5-Lipoxygenase and Cancer - A question of canonical and non-canonical functions
Evening	<i>Own dinner</i>	

Wednesday, 1. October 2025		
	Neuro-inflammation	
	Chairperson	Nicole Zander
9:00	Maria Pia Abbracchio	Targeting GPR17, a membrane receptor involved in inflammatory demyelination: a new approach to neurodegenerative diseases
9:30	Cristina Lanni	Glymphatic system, inflammation and neurodegeneration
10:00	Camilla Halimi	An in vitro screening platform to identify personalized pro regenerative drugs for ischemic stroke with obesity-related comorbidities
10:10	Denis Benning	The role of IκB Kinase epsilon (IKKε) in psoriasis
10:30	Coffee	
	Chairperson	Rebecca Ainslie
11:00	Nicole Zander	The inflammatory architecture reflects the effects of pharmacological and genetic interventions on resolution of inflammation
11:10	Giovanni Ramaschi	Modulation of Endothelial Permeability and Angiogenesis by Dual Coxib/TP Receptor Antagonists
11:20	Marco Racchi	Signal transduction and immunosenescence
11:50	Andrea Cignarella	Ovarian status and macrophage function in women
12:20	Erica Buoso	Hormonal regulation of RACK1 and inflammatory context in cancer
13:00	Lunch	
14:30	Boat tour	
19:30	Social Dinner	

Thursday, 2. October 2025		
	Workshop & Discussion	
9:00	Arianna Dogliati (Univ. of Pavia)	Workshop!
9:15		Group discussion
9:45		Group presentations & discussion
10:30	Coffee	
	Pharmacology & drug design	
	Chairperson	Giovanni Ramaschi
11:00	Per-Johan Jakobsson	mPGES-1 - role in inflammation and its resolution
11:30	Eugen Proschak	Designing Pharmacological Tools for Targets in Lipid Signalling
12:00	Bernhard Brüne, Paola Patrignani, Marco Racchi, Angelo Sala, Dieter Steinhilber	Concluding remarks
12:30	Departure	

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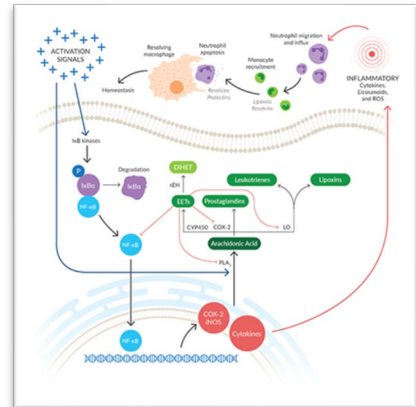
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c/o Fondazione Alessandro Volta

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Como town center can be reached on foot from the station. Villa del Grumello is 2,5 km from the town centre (towards Cernobbio) and can be reached by taxi or bus (ASF Bus Line n. 11, timetable and information at the [ASF Bus line](#) website).

