

EKFElse Kröner Fresenius
Graduiertenkolleg**SFB 1039**SIGNALLING BY FATTY ACID DERIVATIVES AND
SPHINGOLIPIDS IN HEALTH AND DISEASE**AVE** AUFLÖSUNG VON
ENTZÜNDUNGSREAKTIONEN
Mediatoren, Signaling und therapeutische Ansätze

Pescara Meeting 2018

“Resolution of inflammation: mechanisms, mediators & biomarkers”

Else Kröner-Fresenius-Graduiertenkolleg (EKF-GK)

&

Research Training Group 2336 “Resolution of Inflammation – AVE”

&

Collaborative Research Centre 1039 “Signalling by Fatty Acids
Derivatives and Sphingolipids in Health and Disease”

Pescara, November 13 - 16, 2018

Programme

Supported by the

ELSE KRÖNER-FRESENIUS-STIFTUNG

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Department of Neuroscience, Imaging, and Clinical Sciences,
G. d'Annunzio“ University and Scuola Superiore „G.d'Annunzio“



Scuola di Dottorato in Scienze della Vita e della Salute



UNIVERSITÀ
di VERONA

Tuesday, Nov. 13th, 2018

16:15	Paola Patrignani, Bernhard Brüne, Dieter Steinhilber	Welcome
	<i>chair person</i>	<i>Carlo Patrono</i>
16:30	Jesper Haeggström <i>Karolinska Institute Stockholm</i>	Targeting enzymes in leukotriene biosynthesis
17:15	Coffee Break	
17:30	Monica De Gaetano <i>University College Dublin</i>	Novel mediators of inflammation: molecules and mechanisms
18:00	Marco A. Cassatella <i>University of Verona</i>	Molecular regulation of cytokine production by human neutrophils
18:30	Ellen Niederberger <i>Goethe University Frankfurt</i>	AMP-activated kinase in inflammatory nociception
20:00	Welcome Cocktail	Ristorante Le Terrazze (Hotel Esplanade)

Wednesday, Nov. 14th, 2018

8:00 – 9:00	Breakfast	
	<i>chair person</i>	<i>Joan Claria</i>
9:00	Dieter Steinhilber <i>Goethe University Frankfurt</i>	5-Lipoxygenase in the formation of leukotrienes and SPM
9:30	Astrid Kahnt <i>Goethe University Frankfurt</i>	Biosynthesis of pro-resolving lipid mediators in human leukocytes – who's involved?
10:00	Dominique Thomas <i>Goethe University Frankfurt</i>	Analysis of inflammatory and resolving mediators: a challenging task
10:30	Joan Claria <i>University of Barcelona</i>	Endogenous lipid mediators in the resolution of inflammation
11:00	Coffee Break	Hotel Esplanade
	<i>chair person</i>	<i>Dieter Steinhilber</i>
11:20	Nils Helge Schebb <i>University of Wuppertal</i>	LC-MS method optimization for the detection of specialized pro-resolving mediators and analysis of their formation by lipoxygenase and during inflammation
11:50	Mario Romano <i>University of Chieti-Pescara</i>	Lipoxin A4 in inflammation resolution: novel molecular mechanisms and delivery routes
12:20	Ingrid Fleming <i>Goethe University Frankfurt</i>	Sola dosis facit venenum: lipid mediators and the retinal vasculature
13:00	Lunch break	
	<i>chair person</i>	<i>Enrico Rovati</i>
15:00	Ryan Snodgrass <i>Goethe University Frankfurt</i>	A novel role for 15-lipoxygenases in macrophage cholesterol homeostasis
15:30	Enrico Rovati <i>University of Milan</i>	Beyond NSAIDs for innovative therapeutics
16:00	Adriano Piattelli / Roberta Di Carlo <i>'Gabriele d'Annunzio' University</i>	Graphene oxide, inflammation and bone regeneration
16:30	Coffee break	Hotel Esplanade
	<i>chair person</i>	<i>Ingrid Fleming</i>
17:00	Angelo Sala <i>University of Milan</i>	Biotransformation of NPD1 in human cells
17:30	Dagmar Meyer zu Heringdorf <i>Goethe University Frankfurt</i>	Lipid homeostasis in S1P lyase deficiency
18:00	Dmitry Namgaladze <i>Goethe University Frankfurt</i>	Role of mitochondria in modulating macrophage inflammatory responses to fatty acids
20:00	Casual Dinner	Nettuno Beach Club Restaurant, Pescara

Thursday, Nov. 15th, 2018

8:00 – 9:00	Breakfast	
	<i>chair person</i>	<i>Patricia Maguire</i>
9:00	Carlo Patrono <i>Catholic University School of Medicine, Rome</i>	The role of mechanism-based biomarkers in the clinical development of low-dose aspirin as an antiplatelet agent
9:45	Ulrike Garscha <i>University of Jena</i>	Lipid mediator formation in neutrophils under pathophysiological conditions
10:15	Paola Patrignani <i>'Gabriele d'Annunzio' University</i>	Emerging roles for platelets in inflammation and cancer: lessons from conditional mice with specific deletion of COX-1 in megakaryocytes/platelets
10:45	Coffee Break	Hotel Esplanade
	<i>chair person</i>	<i>Paola Patrignani</i>
11:05	Patricia Maguire <i>University College Dublin</i>	The platelet releasate as a barcode for human health
11:35	Pietro Minuz <i>University of Verona</i>	Antiplatelet Agents Inhibit the Generation of Platelet-Derived Microparticles
12:05	Melania Dovizio / Rosa Fullone <i>'Gabriele d'Annunzio' University</i>	Transcellular metabolism in the generation of phospholipid-esterified 12-HETE by platelet-cancer cell crosstalk
12:35	Annalisa Contursi/ Rosalia Grande <i>'Gabriele d'Annunzio' University</i>	Platelet-derived microparticles from obese individuals: characterization of structure, proteomics and induction of phenotypic switching in cancer and endothelial cells
13:05	Lunch break	
	<i>chair person</i>	<i>Angelo Sala</i>
15:00	Patrizia Ballerini / Stefania Tacconelli <i>'Gabriele d'Annunzio' University</i>	Roles of thromboxane A ₂ in cancer
15:30	Per-Johann Jakobsson <i>Karolinska Institute Stockholm</i>	mPGES-1 – a path to the clinic
16:00	Annalisa Bruno <i>'Gabriele d'Annunzio' University</i>	Off-target effects of the mPGES1 inhibitor AF3485 both <i>in vivo</i> and <i>in vitro</i>
16:30	Coffee break	Hotel Esplanade
	<i>chair person</i>	<i>Pietro Minuz</i>
17:00	Tobias Schmid <i>Goethe University Frankfurt</i>	mPGES-1 and the regulation of phagocytosis
17:30	Beatrix Süß <i>Technische Universität Darmstadt</i>	Posttranscriptional control of gene expression
18:00	Meike Saul <i>Goethe University Frankfurt & Technische Universität Darmstadt</i>	The role of miR-574-5p in prostaglandin biosynthesis
20:00	Speaker's Social Dinner	Ristorante Le Terrazze (Hotel Esplanade)

Friday, Nov. 16th, 2018

8:00 – 9:00	Breakfast	
	<i>chair person</i>	<i>Bernhard Brüne</i>
9:00	Ian Dransfield <i>University of Edinburgh</i>	Investigation of mechanisms of phagocytosis of apoptotic cells by macrophages.
9:45	Bernhard Brüne <i>Goethe University Frankfurt</i>	Apoptotic cell clearance and lipid mediators
10:15	Andreas Weigert <i>Goethe University Frankfurt</i>	IL-38 is a IL-1 family receptor antagonist that suppresses IL-17-driven inflammation
10:45	Coffee Break	Hotel Esplanade
	<i>chair person</i>	<i>Andreas Weigert</i>
11:15	Eugen Proschak <i>Goethe University Frankfurt</i>	Design of dual sEH/PPARgamma modulators with anti-inflammatory properties
12:00	Robert Fürst <i>Goethe University Frankfurt</i>	Natural compounds as modulators of endothelial cell functions
12:30	Heiko Mühl <i>Goethe University Frankfurt</i>	Tissue-protective therapy by cytokines
13:00	Paola Patrignani, Bernhard Brüne, Dieter Steinhilber	Concluding Remarks
13:30		End of meeting

The Pescara Meeting will take place at the

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