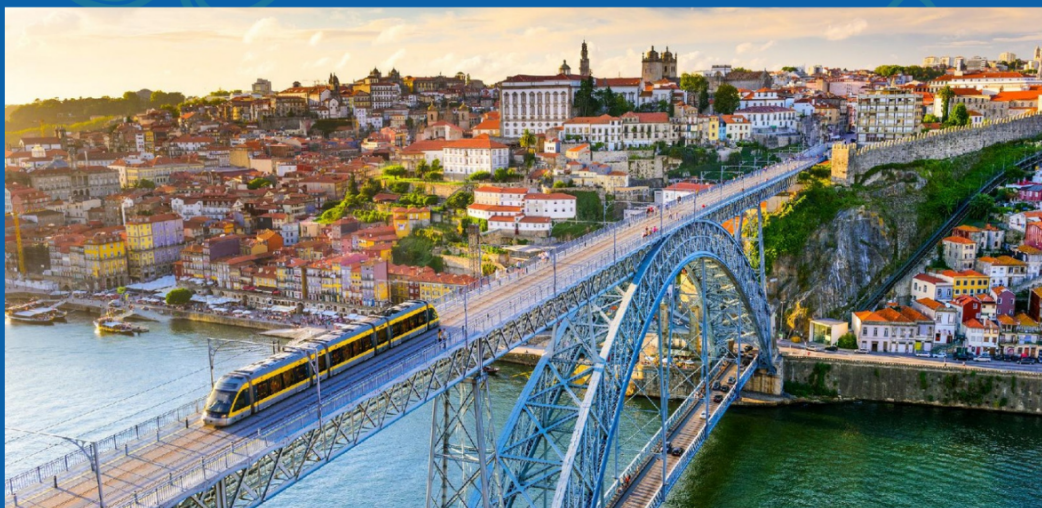


1st EU-RESOLVE Conference & Training School

16th - 18th June, 2026
Timbre Heroísmo Hotel****, Porto, Portugal



PROGRAM

EU-RESOLVE

From inflammation to resolution



Website



LinkedIn



Instagram



Funded by
the European Union

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June 16th 2026

8:30 - Registration desk opens

Training school - **Science and Health Communication**

Chairs: Teresa Sousa, Denise Biagini and Agnieszka Kij

9:00 - 9:10 Opening and school presentation

9:10 - 9:30 **Prof. Amiram Ariel** - Serendipity as a driving force in scientific discovery

9:30 - 10:45 **Training Session 1 - Tiago Durães**

How to transform a complex subject into a clear message for everyone?

(See details on page 11)

10:45 - 11:15 *Coffee break*

11:15 - 12:45 **Training Session 2 - Tiago Durães**

Hands-on session

12:45 - 14:00 Lunch

Start of EU-RESOLVE Meeting

14:15 -14:30 Welcome address

14:30 - 15:30 **Keynote Talk**

Chairs: Catherine Godson and Jesmond Dalli

Prof. Charles Serhan (Harvard Medical School)

Resolvins and Novel Pro-Resolving Mediators lessons from the Acute Inflammatory Response

15:30 - 17:00 **WG1-6 updates**

17:00 - 17:30 *Coffee break*

17:30 - 18:30 **Workshop on hot topics** *(see details on page 12)*

Dr. Shailendra Gupta (University of Rostock)

Practical AI Tools for the Inflammation Resolution Community: From Literature to Data, Figures and Manuscripts

18:30 - 20:00 Welcome reception and networking

June 17th 2026

From 8:30 Registration desk opens

9:00 - 09:50 **Clinical translation of Resolution Biology**

Chairs: Mauro Perretti and Luís Miguel Santos

Dr. Runhild Gammelsæter (Arctic Biosciences)

Advancing Pro-Resolving Therapies in Psoriasis: From Biological Insight to a New Therapeutic Paradigm

Professor Thomas Jonassen (Synact Pharma & Resother Pharma)

Dual clinical development strategy for resomelagon (AP1189), a biased melanocortin receptor agonist, in inflammatory diseases and as host-directed therapy in viral infections

09:50-10:20 Coffee break + Poster session 1

10:20-12:05 **Session 1 - Receptors, Signalling & Drug Discovery***

Chairs: Juan Bautista De Sanctis and Minna Holopainen

10:20-10:35 - **Amiram Ariel** - The BiST of Burden: Harnessing biased STING agonists to enhance the resolution of inflammation and limit tissue fibrosis

10:35-10:50 - **Ludovica Lela** - Regulation of pro-resolving lipid mediators by the H₂S–FPR2 axis in vascular inflammation

10:50-11:05 - **Gaelle Merheb** - Interaction between the Annexin A1 mimetic peptide RTP-026 and prostanoid signalling in the regulation of human coronary vascular tone

11:05-11:20 - **Ahlam Joudeh** - Macrophage-Derived PROS1 and GAS6 have Distinct Functions in Resolving Inflammation, dictating lung metastatic permissiveness (online)

11:20-11:35 - **Shailendra Gupta** - Deciphering the Mode of Action of Plant-Based Multicomponent Drugs in Inflammation Resolution Using Network Pharmacology

11:35-11:50 - **Jianmin Chen** - Targeting FPR2 Signaling: A New Frontier in Treating Inflammatory Arthritis-Associated Cardiomyopathy

11:50-12:05 - **Enza Lacivita** - Ureidopropanamide-based Formyl Peptide Receptor 2 (FPR2) agonists: from hit identification to biased signalling

12:05 - 12:35 **Flash talk session 1***

Chairs: Juan Bautista De Sanctis and Cristina López-Vicario

12:05-12:10 - Gugulethu Khumalo - Tetradenia riparia (Hochst.) Codd, activates pro-resolving pathways via a multi-component chemical landscape

12:10-12:15 - Raquel Guillamat Prats - 2-Arachidonoylglycerol Restoration Attenuates Pulmonary Complications in Acute Pancreatitis through CB1 and CB2 Pathways

12:15-12:20 - Tal Burstyn-Cohen - Lessons from PROS1-TAM signalling: Resolution of inflammation is an active component of homeostasis in the central nervous system

12:20-12:25 - Olga Pechanova - Hormetic Effects of Polyphenols on Inflammatory Signaling in Obese Zucker Rats

12:25-12:30 - Petya Dimitrova - The peculiar action of Sirtuin 1 modulation on IL-1b and TNF-a production in neutrophils during chronic inflammation

12:30-12:35 - Paulina Christen - A Multi-Level Pain Signaling Map for Inflammatory Phenotypes: From Knee Osteoarthritis to a Generalizable Systems Medicine Resource

12:35 - 14:05 *Lunch + Posters session 1**

14:05 - 15:35 **Session 2 - Cardiovascular, Metabolic & Gastrointestinal Diseases**

Chairs: Olga Pechanova and Jianmin Chen

14:05-14:20 - Marta Reina-Couto - Resolvin E1 and Chemerin receptor 1 in Human Acute Heart Failure and Cardiogenic Shock with and without Mechanical Circulatory Support

14:20-14:35 - Tuneille Adelaar - Lipid-Associated Macrophages in Murine Metabolic Dysfunction-Associated Steatohepatitis and Associated Fibrosis

14:35-14:50 - Emmanuel Albuquerque-Souza - A macrophage lipid mediator circuit programs distal gut immunity and sex-biased colitis (online)

14:50-15:05 - Kristiaan Wouters - Activated T-cell signatures in blood are independently associated with endothelial cell dysfunction: The Maastricht Study

15:05-15:20 - Bryan Contreras - Soluble epoxide hydrolase-derived leukotoxins drive immunosuppression in patients with advanced liver disease

15:20-15:35 - Maria Anghelache - Nanocarrier-Mediated Delivery of Pro-Resolving Mediators Reprograms Innate Immunity in ApoE^{-/-} Mice with Atherosclerosis

15:35 - 16:00 **Flash talk session 2***

Chairs: Teresa Sousa and Jianmin Chen

15:35-15:40 - **Dimitris Kardassis** - Metabolic Dysregulation Disrupts ApoE-Dependent Resolution of Neuroinflammation in Alzheimer's Disease

15:40-15:45 - **Irundika Dias** - ApoE genotype dependent remodelling of astrocyte eicosanoid profiles

15:45-15:50 - **Suman Muralidharan** - A Systems Approach Linking Clinical and Imaging Scores to Molecular Networks for Predicting Therapy Response in Knee Osteoarthritis

15:50-15:55 - **Esra Yalcin** - Exploring Sleep-Immune Interactions with Healthy Controls with insights for Schizophrenia (online)

15:55-16:00 - **Helena Fisk** - EPA+DHA and their monohydroxy-oxylipin metabolites increase mitochondrial respiration capacity in M0 but not M1 macrophages

16:15 - 16:40 *Coffee Break + Poster session 1*

16:40 - 17:30 **Resolution Biology in the Clinic**

Chairs: Kristiaan Wouters and Joan Clària

Prof. Magnus Bäck (Karolinska Institutet)

Rethinking Cardiovascular Prevention From Antiinflammation to Proresolution

Prof. Andreas Ramming (Universitätsklinikum Erlangen)

The clinicians' perspective on the role of dysregulated resolution programmes in chronic diseases

17:30 - 18:45 WG breakout session - WG1, WG3 and WG4

19:00 Bus ride to the Conference Dinner throughout a Douro river cruise (details on page 16).

* for more details and list of posters see page 13

June 18th 2026

From 8:30 Registration desk opens

9:00 - 10:00 **Session 3 - Neuroinflammation Infection, Systemic Resolution Part 1***

Chairs: Tommaso Lomonaco and Minna Holopainen

9:00-9:15 - **Fabiana Miraglia** - Oxylin dysregulation and impaired inflammation resolution are associated with pathology progression in Parkinson's Disease

9:15-9:30 - **Mattoscio Domenico** - Resolvin D3 reprograms inflammatory platelets toward a pro-resolving phenotype in cystic fibrosis

9:30-09:45 - **Darrell Andrews** - The synthetic lipoxin A₄ mimetic AT-01-KG modulates shared transcriptional programmes across organs to promote the resolution of inflammation and tissue protection in experimental sepsis

09:45-10:00 - **Valerio Chiurciu** - Decoding Inflammation Resolution Failure in Multiple Sclerosis

10:15 - 10:35 *Coffee break + Poster session 2*

10:35 - 11:35 **Session 3 - Neuroinflammation Infection, Systemic Resolution Part 2***

Chairs: Tommaso Lomonaco and Minna Holopainen

10:25-10:40 - **Felicity Gavins** - Immune-Vascular Reprogramming by Resolvin D1 Resolves Thromboinflammation (online)

10:40-10:55 - **Marcela Hortova Kohoutkova** - Long-lasting complications in post-sepsis state and search for pro-resolution trajectories in sepsis

11:20-11:35 - **Carolina Silva-Pereira** - Annexin A1 dynamics during COVID-19 hospitalization: relationship with clinical outcomes and Resolvin E1

11:40-11:55 - **Helike Löhela** - Oxylin in stroke pathology

11:55 - 12:35 **Flash talk session 3***

Chairs: Helike Löhela and Carolina Silva-Pereira

11:25-11:30 - **Manuela Calin** - Biomimetic Lipid Nanocarriers of Specialized Pro-Resolving Mediators for Targeted Resolution of Atherosclerotic Plaque Inflammation

11:30-11:35 - **Maria J. Moreno-Aliaga** - Maresin 1 remodels hepatic transcriptome, attenuating inflammation and mitochondrial dysfunction in aged female mice with obesity and MASLD

11:35-11:40 - **Nathalie Mercier** - Increased Lipid Dyshomeostasis in Metabolic

Syndrome due to Deletion of Resolvin D2 Receptor GPR18

12:15-12:20 - **Levan Nebieridze** - Inflammatory Markers as Predictors of Postoperative Atrial Fibrillation in Patients Undergoing Aortic Valve Replacement

11:45-11:50 - **Letitia Ciortan** - Neutrophil functional polarization in post-myocardial infarction healing: from inflammation to resolution

11:50-11:55 - **Ikbal Agah Ince** - In Vitro Models for Epigenomic Profiling of Respiratory Virus Infections

12:30-12:35 - **Katja Lakota** - Effects of Resolvin D1 and epi Resolvin D1 in a Mouse Model of Chlorhexidine Induced Peritoneal Fibrosis

12:35-12:40 - **Juan Bautista De Sanctis** - Effect of resolvins on CFTR expression in lung epithelial cell lines

12:40 - 14:00 *Lunch + Posters session 2**

14:00 - 15:45 **Session 4 - Resolution in Respiratory & Fibrotic Disease***

Chairs: Shailendra Gupta and Saara Laitinen

14:00-14:15 - **Catarina Almeida** - The involvement of pDC and ER stress in systemic sclerosis-associated fibrosis

14:15-14:30 - **Roberto Plebani** - Development of an innovative vascularized triple-culture airway-on-a-chip to model inflammation in cystic fibrosis

14:30-14:45 - **Jan Frič** - Immunomodulatory Environment of Bone Marrow Niche in Myeloid Leukemia

14:45-15:00 - **Mario Romano** - A pro-resolving approach to control cystic fibrosis airway inflammation

15:00-15:15 - **Xavier Norel** - Role of SPM in Pulmonary hypertension and control of the human pulmonary vascular tone

15:15-15:30 - **Veronique Witko-Sarsat** - Molecular characterization of neutrophils defects in cystic fibrosis: dysregulation of lipid metabolism and inflammatory resolution pathways

15:30-15:45 - **Ines Nikolic** - Absence of TGF- β secretion in Cyclops lesion-derived cells: Evidence for non-canonical fibrotic pathways in Cyclops syndrome

16:00 - 16:30 *Coffee break + Poster session 2*

16:30 - 17:15 **Session 5 - SPMs: Biochemistry, Synthesis & Mediator Landscape***

Chairs: Eoin Brennan and Marcela Hortova Kohoutkova

16:30-16:45 - **Vaishnavi Sirul Velaga** - SPIN: Specialized Pro-resolving lipid

mediator INTERactome, a knowledge graph to explore mechanism of SPM function

16:45-17:00 - **Denise Biagini** - Mapping the pro-resolving lipid mediator landscape across biological matrices and diseases: from acute inflammation to age-related chronic pathologies

17:00-17:15 - **Amalie Reinertsen** - Stereoselective Total Synthesis of Resolvin E4, 20-Hydroxy-Resolvin E4, and a Novel 20-Trifluoromethyl Analogue

17:15 - 17:40 **Flash talk session 4***

Chairs: Eoin Brennan and Marcela Hortova Kohoutkova

17:15-17:20 - **Tarvi Teder** - Structural, functional and regulatory aspects of leukotriene biosynthesis

17:20-17:25 - **Trond Vidar Hansen** - Structure-Functions of Protectins

17:25-17:30 - **Saara Laitinen** - Extracellular vesicles act as critical intermediaries that extend lipid signalling beyond individual cells

17:30-17:35 - **Nona Janikashvili** - Limitations of Cell Count-Dependent Inflammatory Indices in Neutropenic Sepsis: A Clinical and Nonlinear Modeling Approach

17:35-17:40 - **Agnieszka Kij** - Acute effects of EPA on endothelial function in two murine models of hyperlipidaemia studied in vivo towards better understanding of a possible involvement of 5-LOX and 12/15-LOX-mediated pathways

17:40 - 18:30 WG breakout session - WG2, WG5 and WG6

18:30 - 18:45 Award ceremony and closing remarks

Conference Areas

Conference Room:

Heroísmo I & II

(Floor 0 – below the reception area)

Lunch Area:

Restaurant Addverso

(Floor 1 - same as the reception area)

Coffee breaks and Welcome Reception Area:

Terrace

(Floor 2)

Poster Room:

São João Room

(Floor 1 - same as the reception area)

(The posters from flash talks will be displayed at the main conference room)

Training School: Tiago Durães - Science and Health Communication

Science is not finished until it is shared. But do we know how to do it without losing rigour and compromising scientific accuracy in the pursuit of clarity?

This workshop explores practical techniques for translating complex ideas into clear, compelling messages that bridge the gap between scientific precision and public understanding, without sacrificing either.

Designed for researchers at every stage of their career, from early-stage doctoral students to seasoned academics, this workshop welcomes anyone who believes that good science deserves to be heard.

The workshop is divided into two sessions:

Session One

Drawing on a theoretical framework, this session covers foundational topics in science communication, including:

- Taming jargon: how to simplify technical language without distorting meaning
- Structuring your message: from core idea to coherent narrative
- Knowing your audience: adapting content and tone to different publics
- Communicating uncertainty: staying honest without undermining credibility

Session Two

Building on the concepts introduced in Session 1, the second session is devoted to a hands-on exercise. Participants will be challenged to craft a communication piece based on their own research, putting into practice what they have learned.

Workshop on hot topics

Dr. Shailendra Gupta (WG5 leader)

Practical AI Tools for the Inflammation Resolution Community: From Literature to Data, Figures and Manuscripts

This interactive session will introduce practical AI-supported workflows that can help experimental and clinical researchers in their daily scientific work. Using examples relevant to inflammation resolution, the session will demonstrate how AI tools can support literature search, summarization of scientific publications, data interpretation, manuscript drafting, figure planning, and preparation of research outputs. The focus will be on accessible, hands-on examples rather than technical AI theory, with attention to responsible use, source verification, data confidentiality, and the limitations of AI-generated content.

The aim is to show how AI can act as a supportive research assistant, helping researchers move more efficiently from scientific questions to literature insights, data interpretation, and clearer communication of results.

Information for presenters

Oral presentations

Sessions 1-5 are composed of abstract selected oral presentations of 10min, with 5min reserved for questions.

Last name	First name	Code	Session	Day	
Ariel	Amiram	OP1	Session 1 - Receptors, Signalling & Drug Discovery	17 June	
Lela	Ludovica	OP2			
Merheb	Gaelle	OP3			
Joudeh	Ahlam	OP4			
Gupta	Shailendra	OP5			
Chen	Jianmin	OP6			
Lacivita	Enza	OP7			
Reina-Couto	Marta	OP8	Session 2 - Cardiovascular, Metabolic & Gastrointestinal Diseases		
Adelaar	Tuneille (Tia)	OP9			
Albuquerque-Souza	Emmanuel	OP10			
Wouters	Kristiaan	OP11			
Contreras	Bryan J	OP12			
Anghelache	Maria	OP13			
Miraglia	Fabiana	OP14	Session 3 - Neuroinflammation Infection, Systemic Resolution Part 1	18 June	
Mattoscio	Domenico	OP15			
Andrews	Darrell	OP16			
Chiurchiu	Valerio	OP17			
Hortova Kohoutkova	Marcela	OP18	Session 3 - Neuroinflammation Infection, Systemic Resolution Part 2		
Silva-Pereira	Carolina	OP19			
Löhelaïd	Helike	OP20			
Almeida	Catarina	OP21	Session 4 - Resolution in Respiratory & Fibrotic Disease		
PLEBANI	ROBERTO	OP22			
Frič	Jan	OP23			
Romano	Mario	OP24			
Norel	Xavier	OP25			
WITKO-SARSAT	Veronique	OP26			
Nikolic	Ines	OP27			
Velaga	Vaishnavi Sirul	OP28	Session 5 - SPMs: Biochemistry, Synthesis & Mediator Landscape		
Biagini	Denise	OP29			
Reinertsen	Amalie	OP30			

Flash talks

Flash talks sessions 1-4 are composed of selected abstracts, and time limited to 5min per talk. The selected flash talks will also have a space allocated for a poster (if desired).

Last name	First name	Code	Session	Day
Khumalo	Gugulethu	FT1	Flash talk session 1	17 June
Guillamat Prats	Raquel	FT2		
Burstyn-Cohen	Tal	FT3		
Pechanova	Olga	FT4		
Dimitrova	Petya	FT5		
Christen	Paulina	FT6		
Kardassis	Dimitris	FT7	Flash talk session 2	17 June
Dias	Irundika	FT8		
Muralidharan	Suman	FT9		
Yalcin	Esra	FT10		
Fisk	Helena	FT11		
Calin	Manuela	FT12	Flash talk session 3	18 June
Moreno-Aliaga	Maria J.	FT13		
Mercier	Nathalie	FT14		
Nebieridze	Levan	FT15		
Ciortan	Letitia	FT16		
INCE	IKBALAGAH	FT17		
Lakota	Katja	FT18		
De Sanctis	Juan Bautista	FT19		
Teder	Tarvi	FT20	Flash talk session 4	18 June
Hansen	Trond Vidar	FT21		
Laitinen	Saara	FT22		
Janikashvili	Nona	FT23		
Kij	Agnieszka	FT24		

Posters

Last name	First name	Code	Session	Day
YIBAR	ARTUN	P1	Poster session 1 (Coffee breaks & lunch)	17 June
Muhammad	Mudasir	P2		
Behlke	Susanne	P3		
Kisucka	Alexandra	P4		
Chigvinadze	Nino	P5		
Türk-Mázló	Anett	P6		
Mekvabidze	Ketevan	P7		
Malnight-Alvarez	Alexia	P8		
Đorđević	Jasmina	P9		
Soumik	Basu	P10		
Saliani	Amitis	P11		
Bufan	Biljana	P12		
Dooley	Matthew	P13		
Marinescu	Ruxandra	P14	Poster session 2 (Coffee breaks & lunch)	18 June
Klaus	Aline	P15		
BORN-BONY	Maëlys	P16		
Boteanu	Delia	P17		
Batista	Joana	P18		
Voicu	Geanina	P19		
Stankovic	Marija	P20		
Mattoscio	Domenico	P21		
Heba	Moadi	P22		
Santos	Matilde	P23		
Romero Grimaldo	Berta	P24		
Dina	Nicoleta Elena	P25		
Kennedy	Ciarán	P26		
Urbach	Valerie	P27		

Conference Dinner

For the **“6 Bridge Cruise” dinner**, transportation will be provided but please be ready to leave the hotel at 19h00. The return to the hotel will be done by bus, around 23h. The transport will be directly to the hotel and no middle stops are possible.

Regarding the payment, this should be done in cash and during the registration, with a value of 10€.



Starting from “Cais de Gaia” you will have the opportunity to network, dine and sightsee at the same time, on board of one of the Douro Criativo's cruises. The path takes you through all the 6 bridges that connect Porto to Gaia, the best combination of good food and beautiful landscapes.