

SUMMER

Padova, 20 - 24 July 2026

SCHOOL

Understanding the many shapes of inflammation:

from bench to bedside

2nd Edition



Coordinators: Elena Campello and Luca Fabris

Department of Medicine-DIMED

with the endorsement of:



UNIVERSITÀ DI PADOVA
Dipartimento
di Medicina



UNIVERSITÀ DI PADOVA
Scuola
di Medicina e Chirurgia



REGIONE DEL VENETO
**Azienda
Ospedale
Università
Padova**

Rationale

Inflammation is a central driver of a wide range of diseases, extending from acute protective responses to chronic, dysregulated processes underlying aging, metabolic disorders, cancer, and cardiovascular diseases. Recent advances have highlighted its complexity and systemic nature, involving multiple organs and biological pathways.

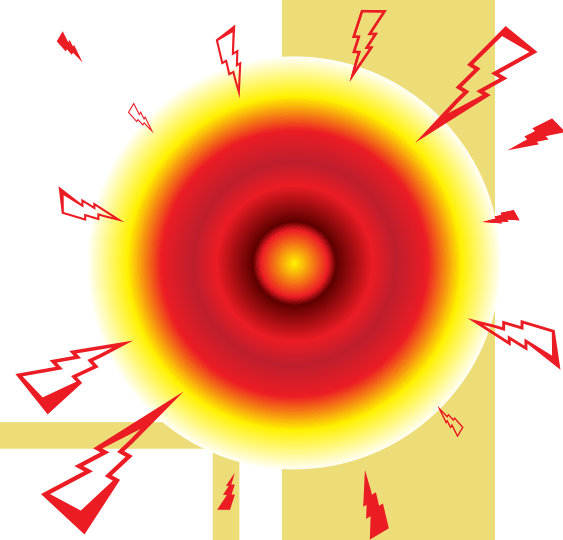
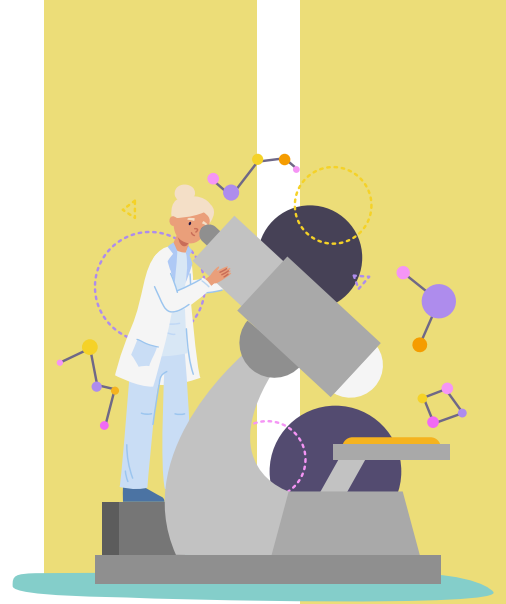
The 2026 Summer School provides an updated and integrated view of inflammation, with a focus on emerging concepts such as inflammaging, metabolic inflammation, clonal hematopoiesis, and the interplay between inflammation, immunity, fibrosis and coagulation.

The program follows a translational “bench-to-bedside” approach, linking molecular and cellular mechanisms to clinical practice. Participants will explore key pathways of inflammation and their relevance in major disease settings, alongside current diagnostic tools, including biomarkers and advanced imaging techniques.

A strong emphasis is placed on interactive and practical learning, with laboratory sessions, imaging-based activities, and case-based discussions aimed at translating knowledge into clinical decision-making.

The course also addresses novel therapeutic strategies, from conventional anti-inflammatory treatments to drug repurposing and emerging approaches such as biologics and gene therapy, reflecting the move toward precision medicine.

Designed for advanced medical students, residents, and PhD students, the Summer School offers a unique opportunity to engage with leading experts in the subject and gain a comprehensive and clinically relevant understanding of inflammation.



Faculty

The quality of the program is enhanced by the involvement of high-caliber local and international researchers. Faculty members include prominent researchers from the University of Padova's as well as invited speakers from prestigious institutions worldwide. These experts are at the forefront of inflammation research, and their contributions ensure that the content of the summer school is current, evidence-based, and rooted in the latest scientific advancements.

Venues

Aula Austoni, Edificio ex Semeiotica Medica,
via Ospedale civile 105, Padova

Aula E, Palazzo del Bo,
via VIII Febbraio 2, Padova

Application

The course is open to 20 undergraduate medical students (4/6 years), early graduate medical students, PhD students and residents.

Deadline for application: May 30th, 2026

Applications can be uploaded at



click here:



Selected students will be notified within 5 days of application.

For students needing accommodation a tuition fee of 500 € will be requested.

School registration includes most meals and guided tours.

Funding

The School was granted by **Progetto Eccellenza “FLAMES”**,
Department of Medicine-DIMED

Scientific and organizing contact

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Full program

July 20, Day 1 (Monday) Inflammation at a glance

9.00 am **Introduction and presentation of the School**
(Paolo Simioni - DIMED, Padova)

9.30 am **KEY-NOTE: InflammAging, Longevity and Gender-specific Inflammation**
(Claudio Franceschi, University of Bologna and Lobachevsky State University)

10.30 am **History of inflammation Storia della Medicina**
(Fabio Zampieri - DCTV, Padova)

Coffee break

12.15 pm **The relevance of inflammation in the pathophysiology of atherosclerosis**
(Fabrizio Montecucco, University of Genova)

Light lunch

2.30 pm **Border zones between inflammation and hematopoietic neoplasms**
(Marco Pizzi - DIMED, Padova)

3.30-5.00 pm **practical activity Pathological Anatomy**

July 21, Day 2 (Tuesday) Inflammation, cell interactions, and disease progression

9.00 am **KEY-NOTE: Relationship between epithelial cells, inflammatory cells and fibroblasts in tissue repair**
(Mario Strazzabosco, Yale University)

10.00 am **Inflammation, metabolic rewiring and carcinogenesis**
(Patricia Aspichueta, Basque Country University)

Coffee break

11.30 am **Inflammation and endothelial cells**
(Graeme Birdsey, Londra)

Light lunch

2.00-4.00 pm **Laboratory – flow-cytometry practical sessions**
(Claudia Radu, Loris Bertazza, Andrea Benetti DIMED, Padova)

4.00-5.00 pm **Inflammation and coagulation/platelets**
(Elena Campello - DIMED, Padova)

Botanical Garden Visit

July 22, Day 3 (Wednesday) Finding Inflammation

9.00 am **Laboratory measurement of inflammation**
(Andrea Padoan - DIMED, Padova)

10.00 am **Ultrasound and inflammation**
(Emilio Quaia - DIMED, Padova)

11.00-12.00 am **CT/MRI and inflammation**
(Amalia Lupi - DIMED, Padova)

Light lunch

2.00-4.00 pm **Ultrasound (vascular, articular, hepatic) and Radiology practical section**

4.00-5.00 pm **The role of inflammation in immunology and allergies**
(Francesco Cinetto - DIMED)

Guided Tour Museo della Natura e dell'Uomo and Aperitif

July, 23 Day 4 (Thursday) New Inflammatory diseases

9.00 am **Metabolic Inflammation (MASLD)**
(Luca Fabris - DIMED, Padova)

10.00 am **Microbiome and Gut-Liver axis**
(Romina Fiorotto, Yale University)

Coffee break

11.30 am **Clonal Hematopoiesis, inflammation and hematologic malignancy**
(Fabrizio Vianello - DIMED, Padova)

Light lunch

2.30-3.30 pm **VITT-like syndrome**
(Linda Schonborn, Greifswald University)

3.30-5.00 pm **Case-based interactive clinical discussion**
(Elena Campello, Luca Fabris - DIMED, Padova)

Scrovegni Chapel Visit

July 24, Day 5 (Friday) Anti-inflammatory Therapeutic Strategies @ Aula E di Palazzo del Bo

9.00 am **Steroids drugs**
(Andrea Cignarella - DIMED, Padova)

10.00 am **Lipid-lowering drugs repurposing for inflammation and cancer**
(Jesus M. Banales, Biodonostia/Navarra University)

Coffee break

11.30 am **Vitamin D and inflammation**
(Gaetano Paride Arcidiacono - DIMED, Padova)

12.30 pm **Gene therapy and inflammation**
(Giulio Ceolotto - DIMED, Padova)

13.30 pm **Wrap-up**
(Paolo Simioni - DIMED, Padova)

14.00 am **Closing session and Lunch**

Lunch and Farewell