



UNIVERSITÀ
DI TORINO



Dipartimento di Scienze
Cliniche e Biologiche

Dipartimento di
Eccellenza 2023-2027

Cerebrovascular Malformations: pathogenic mechanisms and therapeutic strategies

organized by

Prof. Saverio Francesco Retta and Dr. Andrea Perrelli

For information and free registration,
please contact: andrea.perrelli@unito.it

In-person seminars (S) and interactive webinars (W)

Speakers



CCM ITALIA
La community Italiana per Le
Malformazioni Cavernose Cerebrali
Acting Locally, cooperating globally



Associazione Italiana
Angiomi Cavernosi Onlus



Prof. S. Francesco Retta
University of Torino,
Torino, Italy



Prof. Salim Seyfried
Potsdam University,
Potsdam, Germany



Prof. Juan Zalvide
University of Santiago
de Compostela, Spain



Dr. Souvik Kar
International
Neuroscience Institute
(INI), Hannover, Germany



Dr. Eva Faurobert
Institute for Advanced
Biosciences (IAB), CNRS,
Grenoble, France



Prof. Angela Glading
University of Rochester,
Rochester, NY, USA



Dr. Raffaella Mastrocola
University of Torino,
Torino, Italy



Dr. Afshin Bagherzadeh
University of Torino,
Torino, Italy



Prof. Luigi Battaglia
University of Torino,
Torino, Italy



Dr. Andrea Perrelli
University of Rochester,
Rochester, NY, USA



Prof. Giovanni B. Ferrero
University of Torino,
Torino, Italy



St. Amir H. Mousavi
University of Torino,
Torino, Italy



Prof. Marco Fontanella
University of Brescia,
Brescia, Italy



Prof. Daniele Rigamonti
Johns Hopkins School of
Medicine, Baltimore, MD, USA



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In-person seminars (S) and interactive webinars (W)

7th MAY

(W) 08:50-09:00 - Prof. S. Francesco Retta – Introduction

(W) 09:00-10:00 - Prof. Salim Seyfried (Developmental Biology)

Modeling vascular anomalies in zebrafish

Potsdam University, Germany

(W) 10:15-11:15 - Prof. Juan Zalvide (Developmental Biology)

Identification of the inhibitory mechanisms of brain cavernoma development in cellular and mouse models

Santiago de Compostela University, Spain

(W) 11:30-12:30 - Dr. Souvik Kar (Clinical & Mol. Biology)

Implication of non-coding RNAs in cerebral cavernous malformation (CCM) disease pathogenesis and severity

International Neuroscience Institute (INI), Hannover, Germany

(W) 14:00-15:00 - Prof. Eva Faurobert (Cell & Molecular Biology)

Role of mechanotransduction in the pathogenesis of cerebral cavernous malformation (CCM) disease

Institute for Advanced Biosciences, CNRS, Grenoble, France

(W) 15:15-16:15 - Prof. Angela Glading (Cell & Mol. Biology)

The multifaceted roles of the KRIT1 protein: a master regulator of cerebrovascular quiescence

University of Rochester Medical Center, Rochester, NY, USA

8th MAY

(S) 09:00-10:00 - Prof. S. Francesco Retta (Applied Biology)

From genes to precision medicine: the free climbing of cerebral cavernous malformation (CCM) disease

Department of Clinical and Biological Sciences (DSCB), University of Torino, Italy

(S) 10:15-11:15 - Dr. Raffaella Mastrocola (General Pathology)

KRIT1 deficiency leads to metabolic alterations and fibrogenic responses in extracerebral tissues

DSCB, University of Torino, Italy

(S) 11:30-12:30 - Dr. Afshin Bagherzadeh (Molecular Biology)

KRIT1 in hematological malignancies: potential roles and diagnostic/therapeutic implications

DSCB, University of Torino, Italy

(W) 14:00-15:00 - Prof. Luigi Battaglia (Pharmaceutic Technology)

Lipid nanocarriers: versatile tools towards precision nanomedicine for brain diseases

Department of Drug Science & Technology, University of Torino, Italy

(W) 15:15-16:15 - Dr. Andrea Perrelli (Applied Biology)

Nuclear/cytoplasmic trafficking of KRIT1 regulates endothelial barrier function and cell homeostasis

University of Rochester, Medical Center, Rochester, NY, USA

9th MAY

(S) 09:00-10:00 - Prof. Giovanni B. Ferrero (Clinical Genetics)

Powerful discovery of disease-causing mutations by next-generation sequencing (NGS) technologies

DSCB, University of Torino, Italy

(S) 10:15-11:15 - Prof. S. Francesco Retta (Applied Biology)

Identification of risk factors and biomarkers for cerebral cavernous malformation (CCM) disease

DSCB, University of Torino, Italy

(S) 11:30-12:30 - St. Amir H. Mousavi (Medicine & Surgery)

The clinical journey of CCM patients: a peer-to-peer dialogue inspired by an Erasmus stage in Istanbul

School of Medicine & Surgery, University of Torino, Italy

(W) 14:00-15:00 - Prof. Marco Fontanella (Neurosurgery)

Clinical and neurosurgical features of cerebral cavernous malformation disease

Department of Surgical Specialties, University of Brescia, Italy

(W) 15:15-16:15 - Prof. Daniele Rigamonti (Neurosurgery)

A brief history of cerebral cavernous malformations: a personal perspective

Department of Neurosurgery, Johns Hopkins School of Medicine, Baltimore, MD, USA