

Cerebrovascular Malformations: pathogenic mechanisms and therapeutic strategies



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



Dipartimento di Scienze Cliniche e Biologiche Dipartimento di Eccellenza 2023-2027 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



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



Prof. Salim Seyfried Potsdam University, Potsdam, Germany



Prof. Juan ZalvideUniversity 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 BagherzadehUniversity of Torino,
Torino, Italy



Prof. Luigi Battaglia
University of Torino,
Torino, Italy



Dr. Andrea PerrelliUniversity 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

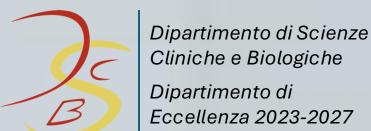


Prof. Daniele Rigamonti
Johns Hopkins School of
Medicine, Baltimore, MD, USA



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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

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 nextgeneration 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