



School of Medicine and Surgery  
Department of Clinical and Biological Sciences  
University of Torino, Italy



Elective Didactic Activity (EDA/ADE)  
***Cerebrovascular malformations:  
pathogenic mechanisms and therapeutic strategies***

**27/04/2020**

**9:30-11:00 and 12-13 Prof. S. Francesco Retta, Applied Biology (University of Torino)**

Genetic and molecular mechanisms in the pathogenesis of cerebrovascular diseases: introduction, experimental models and fundamental discoveries

**11:00-12:00 Prof. Marco Fontanella, Neurosurgery (University of Brescia)**

Clinical and neurosurgical features of Cerebral Cavernous Malformation (CCM) disease

**28/04/2020**

**10:00-11:00 Prof. Chris Sobey, Vascular Biology (La Trobe/Monash University, Australia)**

Targeting inflammation-induced injury in stroke

**11:30-13:00 Dr. Raffaella Mastrocola, General Pathology (University of Torino)**

Gut-brain axis and microbiome in the pathogenesis of cerebrovascular diseases

**17:00-18:00 Dr. Jun Zhang, Molecular Medicine (University of Texas, USA)**

*KRIT1-ICAP1 interaction provides insights into CCM disease pathogenesis*

**29/04/2020**

**09:00-11:00 Prof. Giovanni Battista Ferrero, Clinical Genetics (University of Torino)**

Next-Generation Sequencing (NGS) and multiple genetic test (NGS panel): new molecular diagnostic technique of cerebrovascular malformations of genetic origin

**11:15-12:15 Dr. Valerio Benedetti, Medical Genetics (University of Torino)**

Genetic basis of Cerebral Cavernous Malformation and genetic modifiers of disease severity

**12:30-13:30 Dr. Andrea Perrelli, Applied Biology (University of Torino)**

Cerebrovascular Malformations: from pathogenetic mechanisms to targeted therapeutic approaches

An event organized by Prof. Saverio Francesco Retta.

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