



EUROPEAN SOCIETY FOR MICROCIRCULATION  
BIENNIAL MEETING  
MAY 19-22, 2025, SZEGED, HUNGARY  
**ESM 2025**

EUROPEAN SOCIETY FOR MICROCIRCULATION  
Integrating  
Vascular Biology & Medicine



## **Emerging models and mechanisms of barrier regulation**

### **Chair:**

Cristina Branco, Queen's University Belfast, United Kingdom (Northern Ireland)

### **Co-chair:**

Guilherme Costa, Wellcome Wolfson Institute for Experimental Medicine, Queen's University Belfast, United Kingdom (Northern Ireland)

### **Presentations:**

#### **Subcellular mRNA localisation in endothelial barrier regulation**

Guilherme Costa, Wellcome Wolfson Institute for Experimental Medicine, Queen's University Belfast, United Kingdom (Northern Ireland)

#### **The role of polycystin-1 in endothelial dysfunction and cardiovascular disease**

Jovana Serbanovic-Canic, University of Sheffield, United Kingdom

#### **Whole-brain ultrasound and microbubble-induced blood-brain barrier opening: Structural integrity and permeability assessment**

Shakira A. van der Panne, Amsterdam University, Netherlands

#### **Regulation of claudin-5 at the blood brain barrier in health and disease**

Matthew Campbell, Trinity College Dublin, Ireland