



2014. 4. 15 (火)
11:00-12:00

講演者 : Radu V Stan 准教授

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**演 題 : The diaphragms of fenestrated endothelia:
gatekeepers of vascular permeability
and blood homeostasis**

Vascular permeability is a vital cardiovascular function by which endothelial cells, lining the entire cardiovascular system, mediate the exchange of myriad molecules between the blood plasma and the interstitial fluid of all tissues and organs of vertebrates to mammals. Fenestral and stomatal diaphragms are endothelial subcellular structures that form on organelles implicated in vascular permeability: fenestrae, transendothelial channels and caveolae. Prof. Stan's group found that PV1 protein is required for diaphragm formation and barrier function. Their data provide genetic evidence for the important role of the diaphragms in basal permeability of fenestrated capillaries and the maintenance of blood homeostasis.

**場 所 : 京都大学 アイセムス本館 (東一条北西角) 2 階
セミナーホール (A207)**

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