



IMPAIRED TRAFFICKING OF INSULIN AND AMYLOID BETA PROTEINS IN ALZHEIMER'S BRAIN: UNDER-EXPLORED DIMENSION OF BLOOD-BRAIN BARRIER DYSFUNCTION?

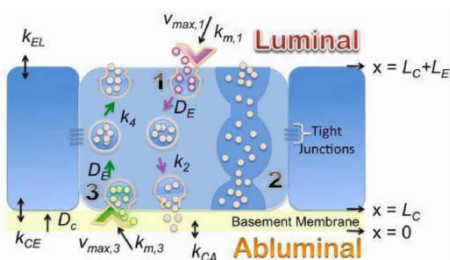
GUEST LECTURE by



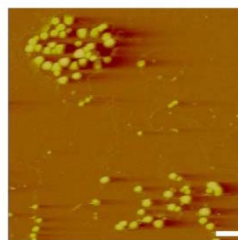
Prof. Karunya Kandimalla, PhD
Department of Pharmaceutics & Brain Barriers
Research Center, University of Minnesota,
Minneapolis, USA

**Monday, 25.07.2016
11:00**

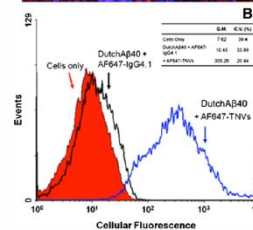
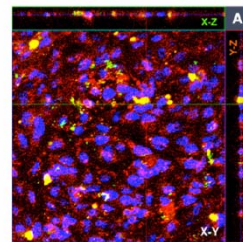
**SR 26.K3, Department of Pathophysiology & Immunology, MUG
(Heinrichstrasse 31a, basement)**



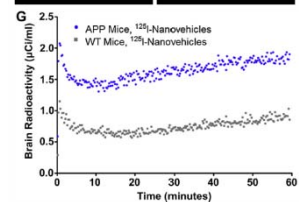
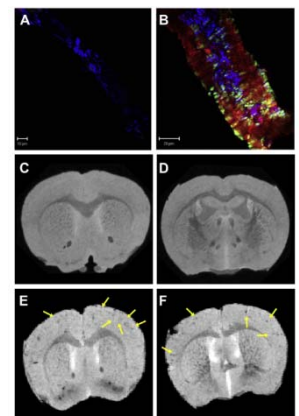
Description of the blood-brain-barrier model.
Agyare et al. (2013) Mol Pharm 10(5):1557-65



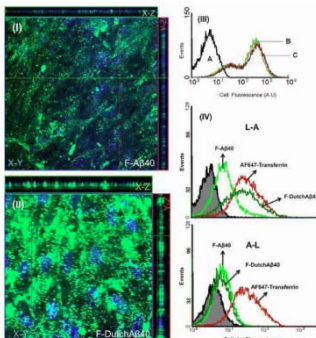
Atomic force micrograph of nanovehicles (NVs).
Jaruszewski et al. (2014) Biomaterials 35:1967-76



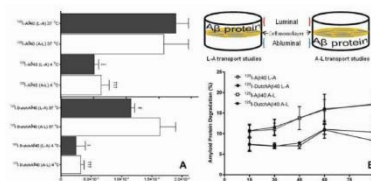
The uptake of Alexa Fluor 647 labeled TNVs by fluorescein labeled DutchAβ40 treated human microvascular endothelial cell monolayers imaged using laser confocal microscopy.
Agyare et al. (2014) J Control Release 185:121-9



Uptake of AlexaFluor 647-nanovehicles in brain arteriole of wild type and APP transgenic mouse.
Jaruszewski et al. (2014) Biomaterials 35:1967-76



Endothelial accumulation of F-DutchAβ40 compared to that of F-Aβ40 is higher in the luminal-abluminial direction but similar in the abluminial-luminal direction.
Agyare et al. (2013) Mol Pharm 10(5):1557-65



Lower luminal-to-abluminial permeability but similar abluminial-to-luminal permeability of ¹²⁵I-Aβ40 compared to that of ¹²⁵I-Aβ40 *in vitro*.
Agyare et al. (2013) Mol Pharm 10(5):1557-65