



THE UNIVERSITY OF ARIZONA
COLLEGE OF MEDICINE TUCSON

Pharmacology

Presents

“The blood-brain barriers as a therapeutic target in neurological disorders”

BY



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Host: Dr. Patrick Ronaldson

Abstract: Many neurological disorders alter blood-brain barrier and blood-CSF barrier function. There are several barrier-related therapeutic opportunities in neurological diseases. Thus, barrier dysfunction may be the underlying cause of a neurological disorder, or it may exacerbate secondary brain injury (e.g., contributing to brain swelling and neuroinflammation in stroke); ‘enhancing’ barrier function may protect the brain; ‘disrupting’ barrier function can enhance brain drug delivery. This talk will discuss such approaches with a particular focus on cerebrovascular diseases. In comparison to brain parenchyma, the brain endothelium and choroid plexus epithelium (blood-CSF barrier) are more accessible to systemically administered therapeutic agents.

Wednesday, November 29, 2023

11:00 am – Noon

AHSC - Room 8403

Or live by zoom

<https://arizona.zoom.us/j/84395838762>