Session 1

Traversing the BBB—Modalities and Technologies for Brain Delivery

Moderator:

Eric Schaeffer, Jansen Research & Development, LLC
Session I: Traversing the BBB - Modalities and technologies for brain delivery

Session Overview
ERIC SCHAEFFER, Janssen Research & Development, LLC (MODERATOR)

Presentations
FRANK WALSH, Ossianix
VIVIANNA GRADINARU, California Institute of Technology
ROBERT THORNE, University of Wisconsin
ALEXANDER KABANOV, University of North Carolina at Chapel Hill
CHOI-FONG CHO, Brigham and Women’s Hospital

Discussion
Session I: Traversing the BBB - Modalities and technologies for brain delivery

Session Objectives:

- Describe current understanding of modalities for traversing the BBB.
- Survey innovative technologies – including Trojan horse approaches, physical targeting and disruption, nanoparticles, and ultrasound – for delivery of therapeutics to the CNS.
- Discuss desirable characteristics for development of new technologies for traversing the BBB.
Session I: Traversing the BBB - Modalities and technologies for brain delivery

- **Trojan horse**
  - Frank Walsh

- **Cells & Exosomes**
  - Alexander Kabanov

- **Viral vectors**
  - Viviana Gradinaru

- **Intranasal/Intrathecal**
  - Robert Thorne

- **In vitro BBB models**
  - Choi-Fong Cho

Bypassing the BBB

Modeling the BBB

Getting Across the BBB