Flaviviruses: innate immune modulation, diagnostics and anti-infective materials

Research emphasis:
Dr. Scholle is a virologist who specializes in flaviviruses, especially West Nile virus, dengue and more recently Zika virus. Current projects focus on the development of broadspectrum anti-infective materials. Other research interests involve host-virus interactions, the innate immune system, and development of novel point of care diagnostics for viral infections.

Application:
- Innate immune signaling
- Virology
- DNA aptamers

Collaboration potential:
- Virologic assay development
- Diagnostics development
- Pathogen-immune system interactions

Selected publications:


Alayli F, Scholle F. Dengue virus NS1 enhances viral replication and pro-inflammatory cytokine production in human dendritic cells. Virology. 2016 Sep;496:227-36