Grand Rounds
Tuesday, February 22 at 12pm via Zoom

"Dysregulated Transmembrane Ion Gradients Highlight Cancer Invasion and Proliferation"

Fahmeed Hyder, PhD
Professor of Radiology and Biomedical Imaging and of Biomedical Engineering

Objectives: Provide basic understanding of metabolic dysfunction in cancer and transmembrane ion physiology.

"Over the River and Through the Woods and into the Brain we Go: lupus autoantibodies offer a new pathway to treating brain tumors"

James Hansen, MD, MS
Associate Professor of Therapeutic Radiology

Needs: Recent findings suggest the potential for use of unusual cell-penetrating lupus autoantibodies against brain tumors, including breast cancer brain metastases. Objectives: Recognize the existence of cell-penetrating, DNA-damaging variants of lupus autoantibodies and understand mechanisms of cell membrane and blood-brain barrier transit as well as potential therapeutic applications of lupus anti-DNA autoantibodies.