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“Oligonucleotide-based nanoscale engineering for optical imaging applications”

Abstract:

Uddin research laboratory is focused on the development of nanoscale engineering and molecular imaging technologies for early disease detection and treatments in ophthalmology, vascular medicine, and oncology. Dr. Uddin is using nanotechnology-based approaches for designing oligonucleotide-based nanomaterials for use in molecular imaging and gene therapy applications. In this seminar, Dr. Uddin will talk about his recent discovery of novel methods for optical imaging of the retina.