

Chemistry Probes & Guided Therapies

Mission: To facilitate the design, development, and integration of validating imaging probes and nanocarriers for the detection and treatment of cancer in humans using multimodal imaging platforms.

<i>Center Needs</i>	<i>Core deliverables</i>
Animal models of disease	Core members have the expertise to develop animal models of disease
Genetically encoded reporters of cell signaling and protein Nanoparticle characterization systems function NIR dyes and conjugation chemistries Shared reagents and probes	Core members will work on probe (including nanoparticles) validation Core is ready to synthesize new probes if needed and share probes and reagents that its members currently have
Monitoring changing environment in pharmaceutical industry Consultation in most relevant molecular targets	Evaluation of possible new probe as new areas emerge
Consensus on focus areas of initial investigation	Plan to have a web based system to discuss focus areas of investigation