

## **Bioengineering**

**Bioengr 295N: Seminar: Research Topics in Bioengineering – Research in Biophotonics**

**Fall, Winter, Spring, Every Year**

Catalog Description: Seminar, one to four hours. Advanced study and analysis of current topics in bioengineering. Discussion of current research and literature in biophotonics, medical imaging, and computational imaging. Student presentation of projects in research specialty. May be repeated for credit. S/U grading

Required Textbooks: None

Recommended Text: Journal articles, review papers, and other assigned reading materials

Instructor in Charge: Liang Gao

Prerequisites: Limited to bioengineering graduate students

Grading Structure: Presentation of research projects – 90%; Student Participation – 10%; S/U grading only.

### Topics

- Biophotonics
- Optical imaging
- Computational optical imaging
- Microscopy
- Endoscopy
- Retinal imaging