

Bioengineering

Bioengr 295L: Seminar: Research Topics in Bioengineering – Cell and Tissue Engineering Fall, Winter, Spring, Every Year

Catalog Description: Seminar, one to four hours. Limited to bioengineering graduate students. Advanced study and analysis of current topics in bioengineering. Discussion of current research and literature in cell engineering, mechanobiology, immunoengineering and regenerative medicine. 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: Song Li

Prerequisites: Limited to bioengineering graduate students

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

Topics

- Mechanotransduction and biophysical regulation of cell and tissues
- Stem cell engineering
- Biomaterials
- Drug delivery
- Immunoengineering
- Regenerative medicine