MHB 559 Issues in Innovative Medicine: Regenerative Medicine and Nanobiotechnology

Mondays 4pm-6:40

Linda F. Hogle, Ph.D

This course is designed to introduce upper-level undergraduate students to ***ethical, policy and social issues related to regenerative medicine***. We will focus on stem cell research and related areas of regenerative medicine, and nanobiomedicine. The course is interdisciplinary: we will use material from history, social science, ethics, humanities, communications/media as well as public policy. (3 credits)

By the end of the course, students will:

- understand the historical and political contexts in which policies are made around novel, controversial science
- have a broader understanding of how regenerative medicine, nanotechnology and similar novel fields are shaping the future of medicine and its institutions
- have an understanding of current and past legal and moral issues related to the use of human tissues and embryos in research
- be able to analyze controversies in science, including the role of public groups
- learn issues related to first-in-human research (oversight & regulation, ethics)

The course is open to students from science and engineering, pre-medical and pre-law, health professions and policy, as well as humanities and social sciences. Graduate credit available, with additional Science and Technology Studies (STS) content.

Course Requirements: Attendance and active participation in all sessions, completion of all readings and assignments, including a policy exercise and critical thinking essays. A research paper will be required for graduate credit.