

The Business of Academic Biomedical Research

Course PH.260.815: 4th Term

Not commonly taught, but essential, knowledge & skills for a biomedical research career

Career Management: Making the right moves to evolve into an independent scientist – industry versus academia – networking & communicating effectively – international careers – bench or office.

Competitiveness in Scientific Research: Thinking science or strategy – understanding the biomedical research landscape - concrete strategies to stay ahead of the game - looking into the future.

Communicating and Disseminating Science: Channels of communication - publication impact, quality or quantity – getting your point across to colleagues, Grandpa and Capitol Hill.

The Flow of Money: Cost, value and benefits of biomedical research - funding sources & strategies.

Organizational Structure & Behavior: How research institutes & universities function – leadership & management in a scientific research environment - international perspective.

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DAY/TIME: Wednesday 2:30 – 3:20,

LOCATION: Johns Hopkins School of Public Health, MMI

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Syllabus

1. **Introduction**
why this course?; introductory; setting the scene; what do you want to know?
2. **Organizational Structure & Behavior**
colleges; universities; institutes; who does what and how does it relate; the culture; academia versus industry;
3. **Guest Lecture: Chris Lloyd, Kelly Scientific**
4. **The Flow Of Money**
why invest in biomedical sciences?; the rate or return; funding universities and labs; sources of funding; how do to get funded;
5. **Competitiveness In Biomedical Research**
is it competitive?; competitive forces, business models & strategies
6. **Networking & Communicating Science**
disseminating knowledge; why is it important; networking opportunities; publication strategies; establishing an identity in science;
7. **Management & Leadership**
managing versus leading; styles; develop management and leadership skills;
8. **Career Management**
what is this?; your options; preparing and planning; making the right moves; how to land the job

