**From Lab Bench to Your Medicine Cabinet**

**Week 11 – Ethics**
Science, pharmacoconomics and ethics in drug R&D: a sustainable future scenario?
Paolo Preziosi

and

From chemical to drug: neurodegeneration and drug screening and the ethics of clinical trials.
Jill Heemskerk, Allan J. Tobin, and Bernard Ravina

**In-class Discussion Questions**

Look through this list of topics and questions and, based on the reading and educating yourself, come up with your own opinions about the topics or questions. There is no right or wrong answer. During discussion please respect each others opinion. In addition, be ready to make an argument opposite to your opinion (that is be able to way the pros and cons).

**Drug safety**
When should the FDA consider a drug safe for public consumption? Should every drug be treated equal?

**The bottom line**
How do you think the connection of profit to drug development affects the overall progress of therapeutic discovery and targets?

**Animal models**
Are they accurate and is it ethical?

**Time**
Is six years an acceptable clinical trial period? Is it too short or is it too long (Safety vs. availability)?

**Is the system working?**
Given the amount of drugs withdrawn or changed to restricted use, is the system effective?

**In vitro to in vivo**
When is there enough data to go to clinical trials?