Welcome to BIOE.44

Synthetic Biology Lab

Orientation Lecture Spring 2010

BIOE.44 Synthetic Biology Lab

- Reality is complicated
- Teaching is not the same as learning
- Studying is not the same as learning
- We see you as men and women, not boys and girls
- Risk taking is OK
- Mistakes are OK

Synthetic Biology Lab

COURSE MISSION

- To prepare students for a future in biological engineering
- To teach cutting edge skills through an authentic research experience
- To inspire rigorous data analysis, critical thinking, and thoughtful communication



Module 1: DNA Engineering

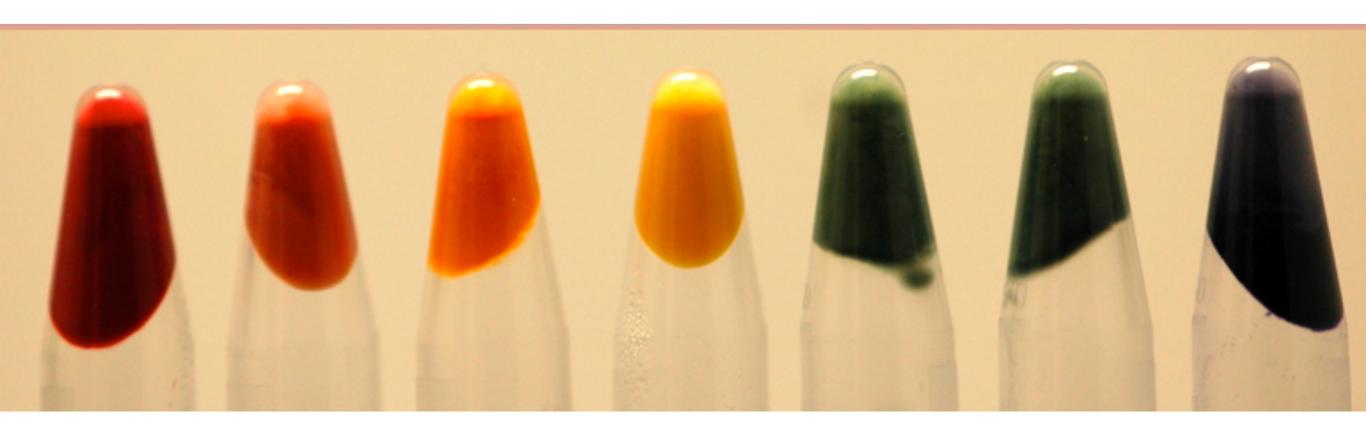
Module 2: Genetic Device Engineering

Module 3: DNA Synthesis

Module 4: Growing & Glowing

Module 5: Testing Your Designs

DNA Engineering



Cambridge iGEM 2009

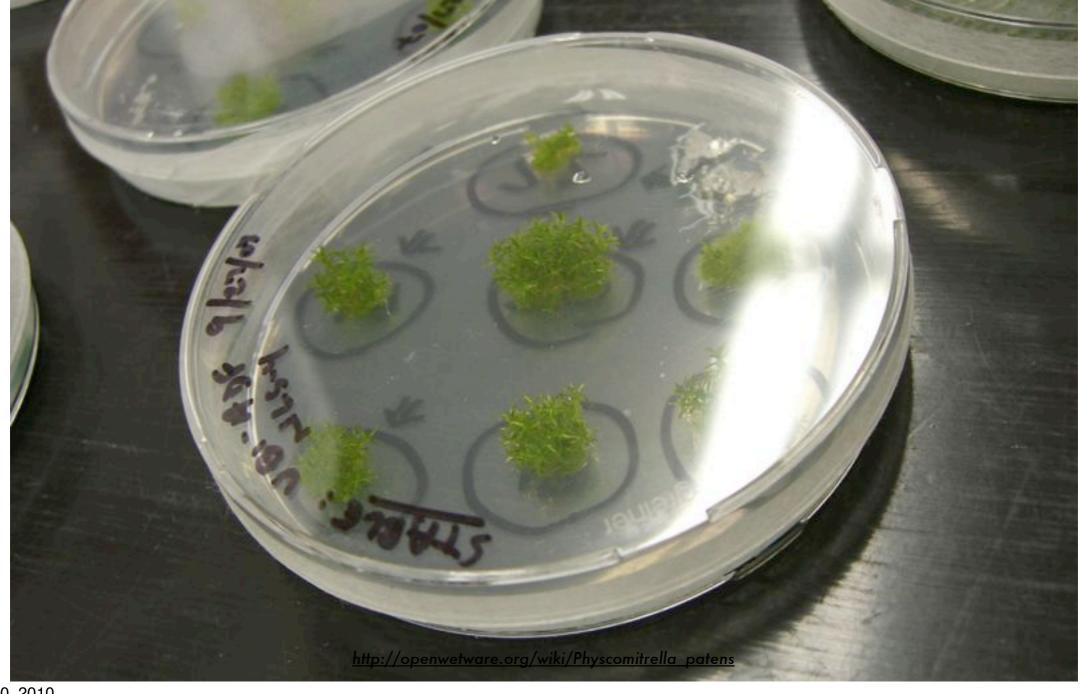
Genetic Device Engineering



DNA Synthesis



Growing & Glowing



Testing



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EXPECTATIONS OF US

- -That we will come to class and lab prepared
- That our assignments are clear and reasonable
- -That we will treat every 44er with respect
- -That we will give everyone an equal chance at success

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EXPECTATIONS OF YOU (SOME)

- -That your will come to class and lab prepared
- That you will not interfere with each other's learning
- That you will invest the very best of yourself
- That you will offer honest and frequent feedback

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COURSE DETAILS

http://openwetware.org/wiki/Stanford/BIOE44