

Meeting minutes 3/14/10:

Info from Meagan:

BMES (which included our exhibit) won best societal competition at EOH!

The proposal for hosting regional's is due April 2nd. We'll need to look into reserving space, hotels, and finding funding as well as other things listed on the iGEM website. Matt volunteered as possible chair person to handle this stuff.

MCB open house (April 10th): Amanda in charge of deadlines, submitting abstract.

IGB fellows symposium: application due on the 11th, Amanda.

Possible TV and radio spots: local tv show interested in iGEM for an episode. The radio station WILL is also interested.

Meetings with profs: project proposals start on April 4th. At the end of the meeting choose a few of the stronger proposals to look into a bit more. Present the final three to profs in a meeting during week.

Trying to work out weekly meeting time during week so we can meet with the professors as well.

Social event: any ideas?

Info from Francis

Check out the attached powerpoint for the bulk of the info. Here are some additional notes.

About abstraction: taking components of biology and "abstracting them"—put them into discrete quantities. Working with things more easily. Trying to display something in its simplest form.

DNA → parts → device → system

This is what the parts registry is trying to do. Everyone submits parts to the parts registry and people can take parts from the registry to use for their own projects.

Example:

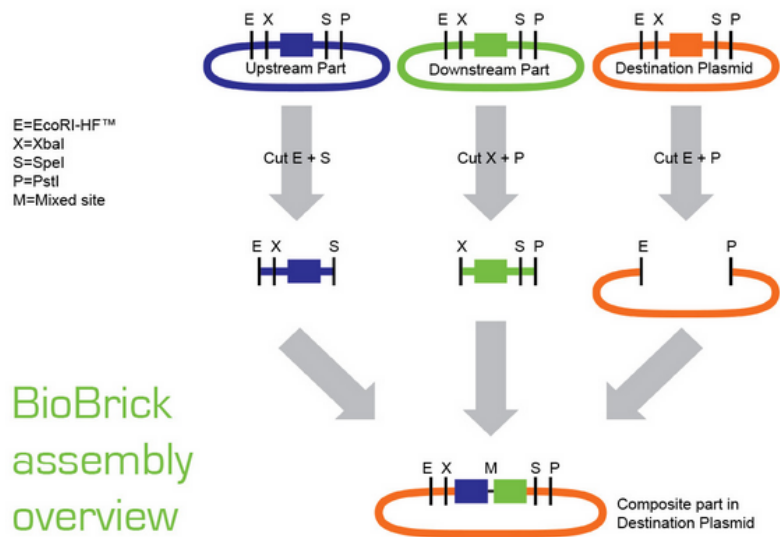
Part: target fused to EGFP.

Device: AND gates (made from parts).

System: decoder (made from a bunch of devices).

Everything is standardized. "prefix" and suffix" to DNA. Which can be combined with other prefixes and suffixes.

System built on isocaudamers; restriction enzymes that recognize slightly different recognition sequences but generate the same overhang. I.e: *SpeI*/*XbaI*. So when you cut with the two isocaudamers, the overhangs are compatible and can be ligated together. The resulting product can no longer be recognized by the restriction enzymes that cut it!



BioBrick
assembly
overview

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Check out http://partsregistry.org/Main_Page and <http://ginkgobioworks.com/support/> for more info.

Parts registry website:

green/stars—good

Red—not working

White—no one’s looked at it

Click on a link for background on the part.

Lab announcements:

call Steve if you want to work in the lab this week.

Francis gave sample project proposal. Send as attachment.