

7.20.10

Meeting Minutes

Meeting with Courtney

We can detect stuff but it'll be hard to quantify.

We should go to the analytical lab and ask if they can help us out

Gold: fluorescent assay maybe? Do some reading. Lots of info on fluorescent bound gold in the literature.

Spin down cells, test supernatant, lyse cells, test, what's in the cell.

Courtney has some papers—will email or print off.

Arsenic—chemical detection is pretty much either flaming or ash—which would tell us how much is in the cell)

Look up mass spec. see if we can look up how to prepare the cells for that, Courtney has mass spec.

To see cell surface, wash metal off by changing pH and measure after.

Try AA.

ICP and AA are what the EPA uses.

We need to find people on campus who have this stuff, see if they'll help us out, run our samples.

See if we can contact Groenigan so we don't repeat their mistakes.

John Kai—PCR help.

Go to chem library to see if we can find any info on this. Check older books to find info on how to assay by chemical means rather than instrumentation.

Look on UIUC website to see if any labs are doing this kind of research.

2005 paper gold fluorescence assay.

Sweetcorn Festival Insurance—see if we can go through a local company, also need to get approved by the health department.

The missing pipette—was actually sitting at mechanical engineering, it's gonna get calibrated soon...

Dip n' dots;

for tomorrow, just use one size. For future dates, try different sizes, large, small, shot.