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Announcements

- No lab next Wednesday (or lecture Tuesday)
- Grafting Parlour Video Conference
 - Next Thursday (11.13) in lab, 12-1 pm
 - Feel free to come even if you are not doing the art project!
- Journal Club II next Friday in 16-366
 1. Sign up for papers on wiki *and* by email
 2. Review Atissa's pointers and the rubric

- Lab party on Dec. 9th

- Hang on to your HW for now
- Pre-lab less. up front

M13 as Engineering Substrate

- p3 vs. p8 demo
- other possible modifications

p3 and p8 (ITO + IrOx, etc.)

dual p8 (IrOx + gold)

Module 3 Experiments

Day	Construction	Analysis
2	Complete IrOx particle synthesis	Calculate phage concentration
4	Etch pattern on slide for phage deposition	Verify that etching worked
5	Phage deposition	TEM of nanowires
6	Complete ECD (electrolyte gel)	Test how well ECD works!

D3 = journal club, D7 = proposal presentations, D8 = fun

Today in Lab

Plaque assay - why did we test multiple phage dilutions?



count plaques (clear part)

too much \emptyset \rightarrow all clear counting

too little \emptyset \rightarrow Ovs. lvs. 2 plaques
interpreting

limits \sim 30-300

Finish IrOx synthesis: vaccum filtration demo

Meanwhile... continue proposal work, now and FNT