# M3D3:TEM Analysis

11/18/2014

Mod3 in '109 speak':

Ti D2

X Solvent Cellulose

\* Construction Phase

M3D2: Paste creation

M3D4: Anode construction

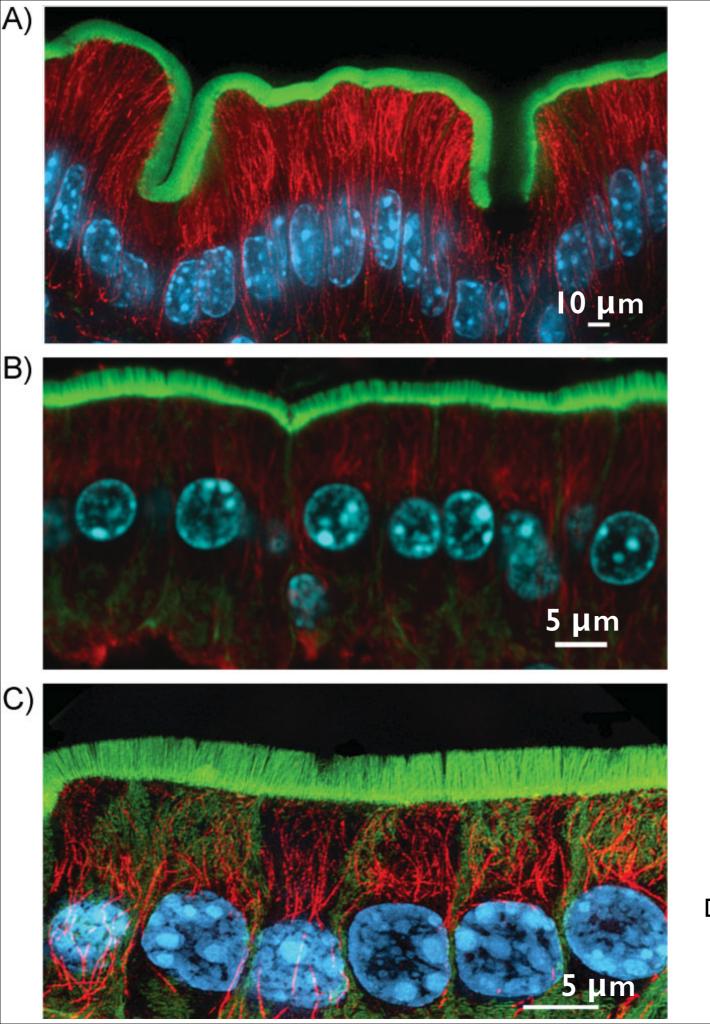
\* Evaluation Phase

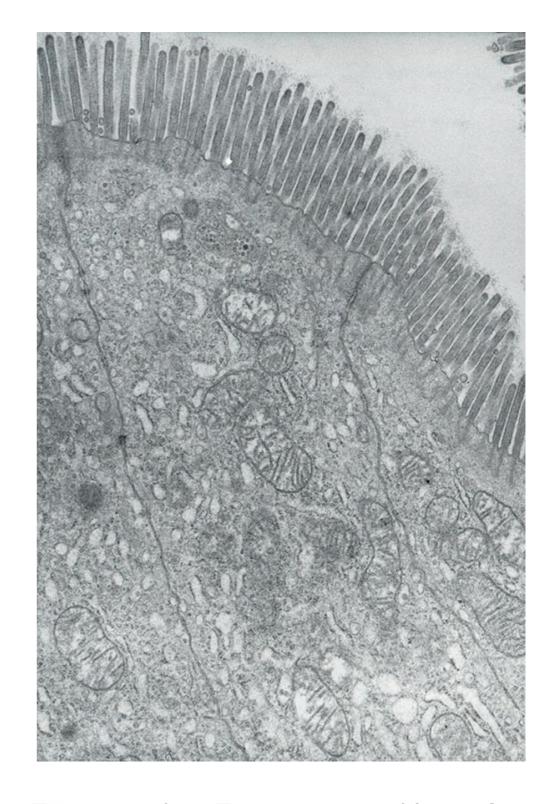
M3D3:TEM

Composition > gold / Tioz

M3D5: DSSC Efficiency

Lest power conversion



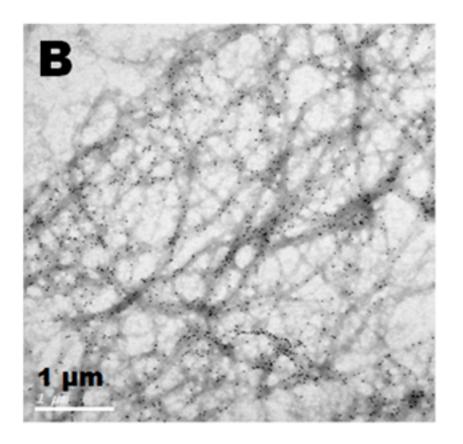


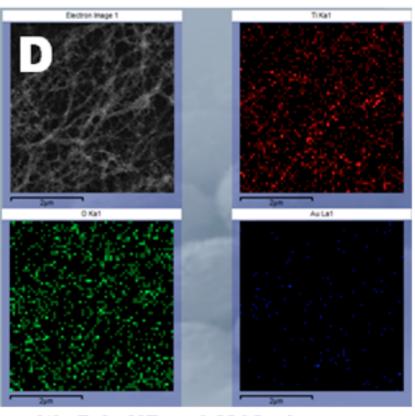
TEM Image from The University of South Carolina Dr. Soumitra Goshroy (<a href="http://www.emc.sc.edu/hitachigallery">http://www.emc.sc.edu/hitachigallery</a>)

#### Remember the dimensions of the M13 phage:

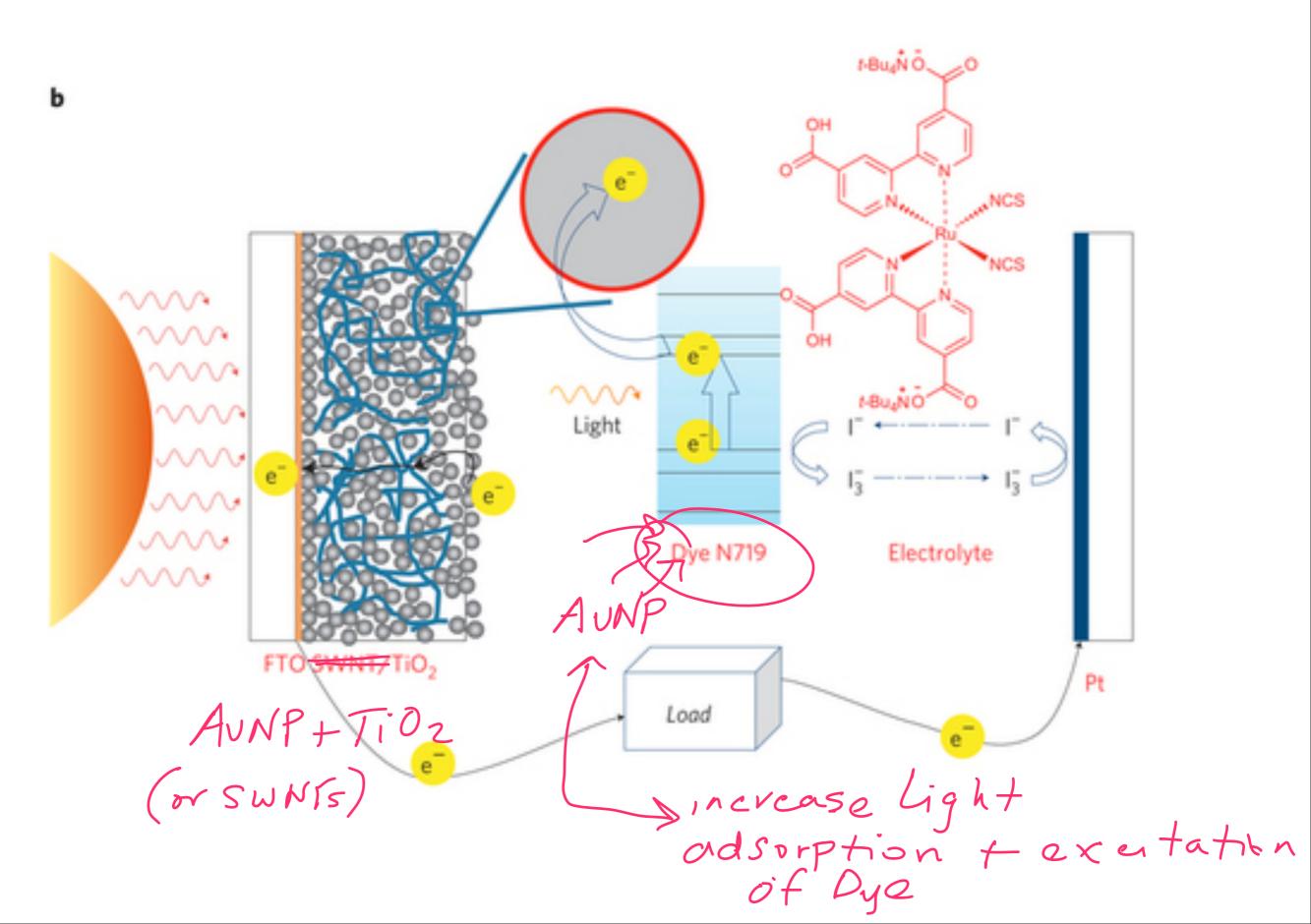
#### TEM in Koch Institute







## Big picture — what is left?



### Research Proposal:

- I. What is your area of interest?
- 2. What is the current state of the technology?
- 3. How can you address the shortcomings in the field?
- 4. Why is your approach novel and exciting?
- 5. What do you need to accomplish your goals?
- \*Must be 109-related, but not related to your UROP project

#### Plans for today:

I.TEM Analysis:

I:I5pm:Red — Tiger

2:30pm: Yellow — Green — Blue

3:45pm: Pink — Purple

2. Work with your co-Pl(s) to develop your proposal.