

Date: 15 October 2015

## Smith Lab Meeting

### **Individuals in Attendance**

Ben Chen, Rabia Nasir, Mona Alshammari, Bianca Pereira, Giselle Cameron, Elissa Dow, Tamzin Blewett, Captain Choi, Farah Ateeq, Alex Carvajal and Holly Gray

### **Opening Remarks - Scott Smith Announcements**

- Introductions to Ben – Ben is awesome
- Scott slowly finishing all the things.
- micro burette – dispenses when turned \*\*\*borrow repeater pipette from Jim?
- Tara's paper is pulished!!!
- Presentation next meeting: Undergrads to present for proposals
- Lab treats: Farah
- Phase II of the lab clean up (to set date next meeting)
- Scott acting as Gan Organiser for now until someone else is/may be needed
- need to order new mercury – Celine (trent) ordered last time
- might need to order new capillaries
- Giselle and Rabia need HACH kits

### **Lab Issues**

- Giselle to clean the acid bath after sample is tested on ICP (by Holly)

### **Lab Member Updates**

<i>Individual</i>	<i>Weekly Update</i>
Farah	<ul style="list-style-type: none"><li>- prepared samples all week for ICP to be run next week</li><li>- 6 samples from Dr. Stevens lab and Columbia lake and waterloo park samples</li><li>- working on edits for article</li></ul>
Tamzin	<ul style="list-style-type: none"><li>- the furnace FOREVEA!!!</li><li>- going to SETAC</li><li>- waiting on isotope – probably won't get until mid-November</li><li>- need to redo EC50 with new DOCs from sample collection last week</li><li>- Elissa sent scans so Scott can do PARAFAC for SETAC presentation</li><li>- thinking about Scott doing effects concentrations</li><li>- probably doing it ^ through sigma plot</li></ul>
Giselle	<ul style="list-style-type: none"><li>- working on project for class presentations tomorrow</li><li>- tomorrow will be working on the different thickness membranes (to be tested on Tuesday)</li><li>- will test the dried membrane tomorrow</li></ul>
Alex	<ul style="list-style-type: none"><li>- playing with models with no success (models won't match free ion)</li><li>- meeting Scott tomorrow</li><li>- precipitation causing issues</li><li>-made m files</li><li>- writing thesis and reading</li></ul>
Ben	<ul style="list-style-type: none"><li>- had a meeting with Scott prior to meeting</li></ul>

Captian Choi	<ul style="list-style-type: none"> <li>- working on proposal/introduction edits</li> <li>- chapter 1 and 2</li> <li>- analysing data</li> <li>- Scott will write purifics to have meeting either at Laurier/Purifics (for Choi, Ateeq, Gray, Parker, Smith)</li> </ul>
Elissa	<ul style="list-style-type: none"> <li>- finishing first batch of east coast DOC samples (need to do the third EEM)</li> <li>- working on proposal</li> <li>- tomorrow – measuring new DOC samples on portable fluorometer</li> <li>- scott not worried about fluorescence pre- and post- salting up...just salted up samples</li> </ul>
Holly	<ul style="list-style-type: none"> <li>- two column tests next week</li> <li>- working on newsletter (email Daniela for update)</li> <li>- email Linda to talk about reactors</li> <li>- ICP and TOC booked for November 2nd</li> </ul>
Mona	<ul style="list-style-type: none"> <li>- Rabia trained mona on ISE</li> <li>- prepare samples today (Suwanee river and EDTA)</li> <li>- run titrations tomorrow</li> <li>- EDTA priority</li> </ul>
Rabia	<ul style="list-style-type: none"> <li>- need to finish document as soon as possible (NSERC application)</li> <li>- reference letters (need 2 more references)</li> <li>- will ask Wilkie for reference letter</li> <li>- getting help from writing centre to try to speed up writing process</li> <li>- need to talk to Scott</li> <li>- proposal to be complete next week</li> <li>- trained Mona last thursday-Friday</li> <li>- confusion with flow through</li> <li>- need to figure out mixing for tests</li> </ul>
Bianca	<ul style="list-style-type: none"> <li>- working on proposal – hope to have it done by tomorrow</li> <li>- running preliminary reactions</li> <li>- three more to sacrifice before use for furnace</li> <li>- tested pH and pH very low (between 1 and 2)</li> <li>- pH went from 8 to 1-2</li> <li>- resin in protonated form?</li> <li>- must start over but still will measure samples that have already finished</li> </ul>

**Lab Presentations:**

Rabia – Silver interactions with DOM in/and raw sewage.