

Southeast Science Boot Camp for Librarians 2019

Vanderbilt University

Librarian as Scientist

Presented by:
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LMU

DeBusk College of Osteopathic Medicine LINCOLN MEMORIAL UNIVERSITY

VALUES | EDUCATION | SERVICE



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My Background

- BS -- Horticultural Science/Botany
- PhD -- Soil and Environmental Microbiology
- MS Information Science
- High School Biology and Chemistry teacher for 21 years (Retired)
- Currently the Medical Librarian at LMU-DCOM

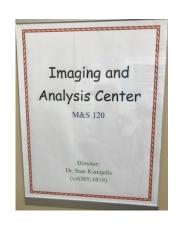


How did this librarian get involved in scientific research?

- Science is my first love;
- Always had an affinity for microscopy;
- We have an electron microscopy suite;









SEM

 The director is jointly appointed with the medical school (one of my liaison contacts) and the Masters of Science program;

• Hmm...

Step 1.

- Contact Director
- Express interest in auditing an EM class

Step 2.

- Apply to graduate school through the admissions department
- Accepted

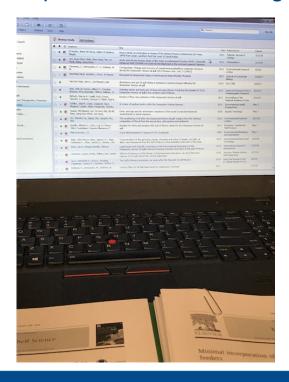
Step 3.

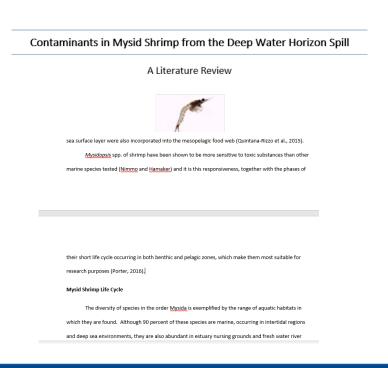
Begin Class



My Assignment(s):

- Write a literature review on the topic: "Contaminants in Mysid Shrimp from the Deep Water Horizon Spill" (Scientist)
- Help the class with finding resources for their literature reviews (Librarian)







Learning how to use the Scanning Electron Microscope

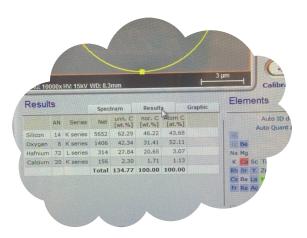


Prepare

Definitely Scientist!



Analyze



View



Step 4.

Was asked to be a faculty member on a research trip to the FSU Marine Lab (Wow!! Scientist)





Savoy Lecture: Professional literature reviews (resources and formatting) and poster preparation.



Off to the Florida State University Coastal Marine Lab

Typical Schedule

Morning and Afternoon--- Sample Collection in the Apalachicola Estuary (Scientist)



Alligator Harbor





Collecting Samples

The Otter Trawl for midwater organisms









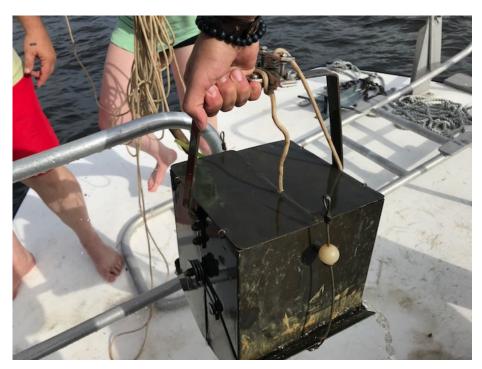
Nalgene bottles for surface organisms: plankton (Copepods) and juvenile shrimp







Sediment traps for benthic organism or bottom feeders (Tardigrades)





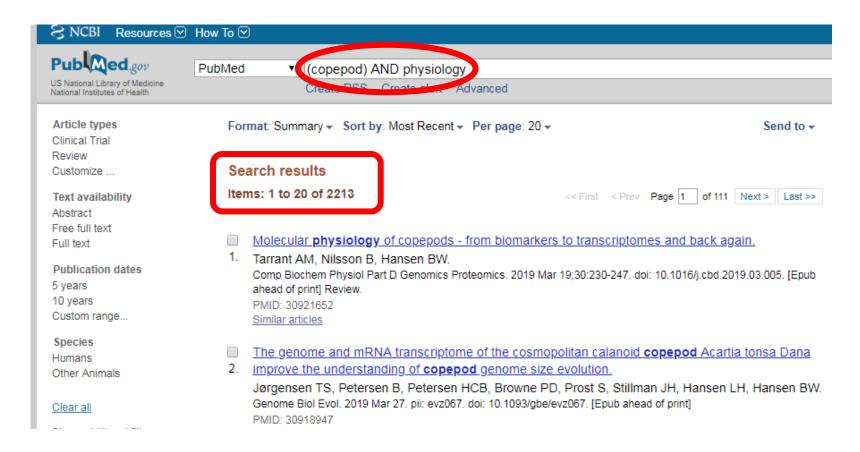


Evening: Instruction with literature sources and bibliographic tools OR finding answers to questions (Librarian)

- BioOne Complete
- JSTOR
- Discovery (our catalog)
- Mendeley
- ScienceDirect & Life Sciences
- Wiley Online Library
- PubMed

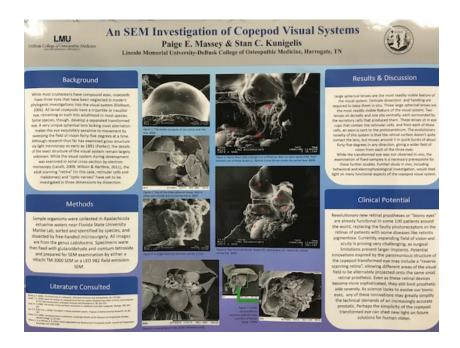


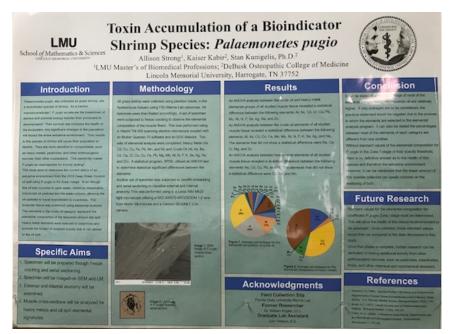
Yes: Even PubMed has over 2000 articles on Copepod Physiology





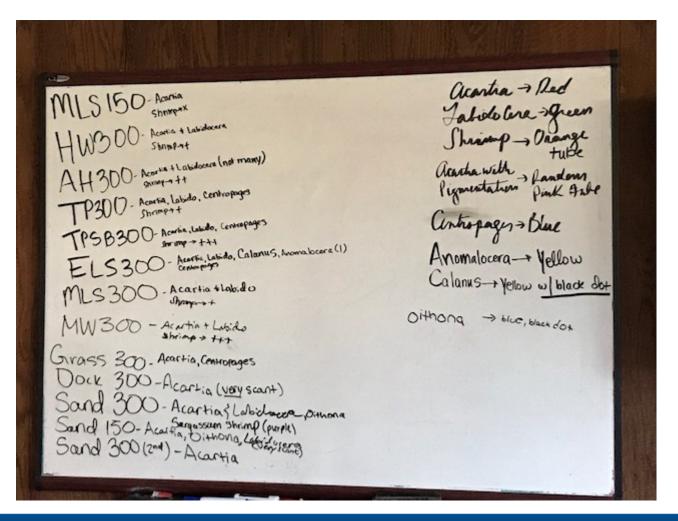
RESULTS







Future Plans as a Librarian-Scientist... Data Management!!





SERENDIPITY

..Perhaps in part

- The director was in my liaison area (medicine);
- Audited his class and wrote a literature review;
- Over half of the students completed their first year of medical school;
- The grant money was provided by the College of Medicine;
- The school year was completed...a bit of a lull.
- It probably helped to have a science background;
- A field librarian

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