

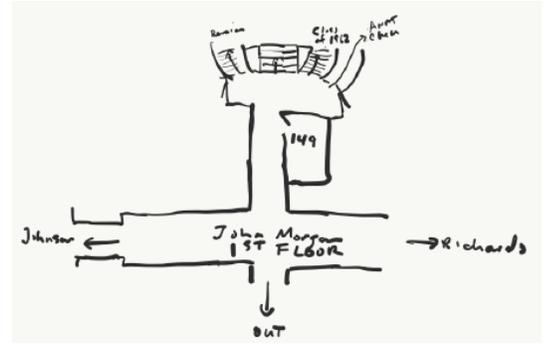
# CAMB 700: Topics in Microbiology

**Directors:** Drs. Jim Riley and Michael Betts

**Class Time and Location:** John Morgan 149

Tuesdays and Thursdays, 3:30-5:00 PM January 14-March 19

**Course Description:** This course is designed for second year students studying MVP program related projects, and focuses on grant writing and presentation in the scientific area of pathogen-host interactions. Students make a presentation designed for ~45 minutes on a topic related their research project or interests and how that project would be envisioned as an NIH style grant. They are requested to provide sufficient background, discuss what is known and what is not known about the topic, frame two to three Specific Aims for a potential grant application, and design and develop potential experimental strategies to address the central hypothesis of the grant proposal. The discussions are deliberately wide-ranging, and review recent literature, techniques, and how to construct a grant. One or both course directors will be present for each class, in addition to 1-2 external expert(s) chosen to evaluate the specific topic being discussed. The students will learn how to prepare, present, and defend a research topic, as well as to open-mindedly integrate positive and negative criticism into the development of a strong research direction.



**Course Evaluation:** The success of the course rests entirely upon the discussion quality and engagement of the faculty and students involved. Class participation is 100% of grade.

## Schedule:

Jan 14: Course introduction; 2 minute elevator pitch, discussion. MB, JR

Jan 16: Grant writing strategies, discussion. MB, JR, special guest speaker Matt Weitzman

Jan 21: Presentation 1. Marisa Egan. MB, Schifferli

Jan 23: Presentation 2. Vicki Lovins. MB, JR, Brodsky

Jan 28: Presentation 3. Alice Sukhina. MB, JR, Eisenlohr

Jan 30: Presentation 4. David Renner. MB, JR, Weitzman, Jurado

Feb 4: presentation 5. Beatrice Herrman. MB, JR, Zackular

Feb 6: presentation 6. Alex Smith. MB, JR, Abt, Levy

Feb 11: presentation 7. June Yang. MB, JR, White

Feb 13: presentation 8. Danny Morris. MB, JR, Prak

Feb 18: presentation 9. Joshua Soto. MB, Abt

Feb 20: presentation 10. Joangela Nouel. JR, You

Feb 25: NO CLASS

Feb 27: CD presentation 1. Jenna Zhang. MB, JR, Zackular

Mar 3: CD presentation 2. Ellen White. MB, Thaiss

Mar 5: CD presentation 3. Teddy Steinbock. MB, JR, White

Mar 10: NO CLASS

Mar 12: NO CLASS

Mar 17: CD presentation 4- Monica Wei. MB, JR, (pending thesis topic- Thaiss, White on hold)

Mar 19: Chalk Talk strategies presentation. MB, JR, (3<sup>rd</sup> year student pending)