

Biology Colloquium (BIOL 4960)
Spring 2020
Fridays, 2:00-2:50pm in Naraghi Hall 101

Professors:	Matthew Cover, Ph.D.	Jim Youngblom, Ph.D.
Email:	mcover@csustan.edu	jyoungblom@csustan.edu
Office:	N273	N260
Drop-in hours:	T 10-11 (N204), R 11-12	T 11-12:30, R 9:30-11
Phone:	209-667-3603	209-667-3950

Catalog Description: Presentation and discussion of selected biological phenomena through the study of biological literature and research. Topics will include both basic and applied research. May be repeated for a total of 6 units, 2 of which can be applied to the major. (Note: a maximum of 2 units of 49XX classes can be used as elective units for the biology major).

Learning Outcomes: Each week we will host a different guest speaker, who will present their research or applied work in biology. The major learning outcomes for this class are:

1. Describe different approaches to studying the world of biology.
2. Describe different possible careers and areas of study within the world of biology.
3. Describe how graduate programs can prepare you to become a professional scientist.
4. Write your own personal statement that connects your background with your future academic and professional goals.

Grading: This course is offered with a Credit/No Credit option ONLY. You can pass the class with one unexcused absence during the semester. The instructors will hand out short writing prompts at the beginning of each class period. Attendance will be recorded at the beginning of each class period when students turn in that day's writing assignment, so it is important to be on time. Additionally, to pass the class you need to write and turn in a two-page personal statement, based on the writing activities that you do each week. Your free writes will be returned to you on May 1. You will use these to write your personal statement, which will be due at the beginning of class on May 15. Details will be provided later in the semester.

Expectations: Please be on time, present, and attentive during the guest lectures. Our guest speakers are volunteering their time to come to our campus and give talks, so it is imperative that you give them your undivided attention and professional courtesy. Please do not use electronic devices or cause disruptions during class. Students caught texting, checking emails, etc. during the presentation will be considered absent for the day. Please be patient, and do not start packing up to leave until the Q &A session after each lecture has been completed.



Biology Colloquium
Department of Biological Sciences
California State University Stanislaus
Fridays, 2:00 – 2:50 PM
Naraghi Hall of Science 101

- Jan. 31** **Dr. Kai Battenberg**, RIKEN Research Institute. Evolutionary history of root nodule symbiosis.
- Feb. 7** **Ryan LaChapell**, Glaxo Corporation. Bacterial resistance and virulence.
- Feb. 14** **Dr. Tiffany Baiocchi**, California State University, Northridge. Microbiology stinks! Leveraging odors to search for the molecular underpinnings of resource-seeking behaviors in nematodes.
- Feb. 21** **Robin D. López**, University of California Berkeley. Influence of groundwater on the ecology of salmon and trout in coastal California streams.
- Feb. 28** **Dr. Anja Rivera**, University of the Pacific. Invertebrate developmental biology.
- Mar. 6** **Ben Goldfarb**, Environmental journalist. The surprising, secret life of beavers.
- Mar. 13** **Edgar Campbell**, Stanford University. Live Fast, Die Young: Accelerated proliferation and aging driven by the prion state of an RNA-modifying enzyme.
- Mar. 20** **Professional Development Workshop**
- Mar. 27** Spring Break- no classes
- Apr. 3** **Dr. Sally Elgin**, Washington University- St. Louis. Lessons learned in a life in science.
- Apr. 10** **Georget Orah**, California State University Fullerton. Hanging by a thread: Investigating the effects of low-tide temperature on mussel attachment strength.
- Apr. 17** **Dr. Joannee Zumkehr**, Bristol-Myers Squibb. My PhD journey.
- Apr. 24** **Chloe Eng**, University of California San Francisco. Social epidemiology and the aging brain.
- May 1** **Dr. Jessica Castillo Vardaro**, San José State University. Conservation genetics of American pikas.
- May 8** Warrior Day- no afternoon classes
- May 15** **Dr. Alison Van Eenennaam**, University of California Davis. Agricultural applications of biotechnology.