

“Emerging Concepts in Environmental Health Science”

E-cigarettes-Knowns and Unknowns

Course Leaders:

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Class Location/Time: room 2003 VM3B, Tuesdays 10:00-12:00 PM (August 10 TBD)

Course Goal: This course will focus on a current topic in environmental health, e-cigarette exposure, that is of significant scientific and public controversy. The course is intended to provide students with a unique opportunity to gain insight and understanding of the merits and weaknesses of both sides of contentious issues. The overall goal is to teach trainees how to critically examine a particular problem and how to interact with colleagues from different disciplines to develop strategies for effectively communicating with each other to address a complex environmental health issue.

Course Format: Students will participate in discussion of the chosen topic, including basic concepts, current state of knowledge, what are the outstanding questions or problems, what are the controversial aspects and general considerations and what is the scientific translational aspect and application.

A team-based learning approach will be used for this course, with an emphasis on preparation outside of class and application of knowledge during discussions. Depending upon the number of participants and weekly topics, students will be organized into diverse teams of 2-3 members.

Students will distribute the knowledge they have learned in the course by 1) engaging in social media (e.g. Twitter and Facebook); 2) developing a powerpoint presentation for community outreach activities and participating in community outreach activities (targeting high school students); and 3) working with Dr. Pam Lein to put the outreach materials into a short publication.

Course Registration: Trainees will officially register for and receive 3 units of credit for the course during the Fall 2018 quarter. Please contact Susan Kancir (sgkancir@ucdavis.edu) for a PTA# if you have time conflicts preventing you from registering for the course.

Course Grading: Grading will be S/U. Students are expected to participate in weekly discussions and preparation of outreach materials. There will not be a final exam.

Scheduled Topics

June 26*	Introduction to e-cigarette: What is the “cloud”? How are e-cigarettes used?
July 3	Experimental models for e-cigarette (e-liquids vs. vapor at different temperature)
July 10	Knowns of e-cigarette toxicity and physiological effects
July 17	Knowns of e-cigarette toxicity related to non-smoke related effects
July 24	Pros and cons of e-cigarettes
July 31	The unknowns of e-cigarette – have we seen this before?
August 10	Finalizing powerpoint presentations for outreach and publication plans

*Note: The first class will consist of course introduction/organization, faculty lectures and assignment of teams/topics