

Zuniga-BISP 194.

Title: Anti-Viral Immunity

Instructor: Elina Zuniga

Location: YORK 3010

Date/Time: Fridays from 12pm-1:30pm

COURSE WEBSITE:

<http://classes.biology.ucsd.edu/bisp194-2.SP12>

username: bisp1942sp12

passcode: immunity

Course Summary:

Virus infections represent a major health problem. Despite tremendous scientific and medical efforts million of people are afflicted by old and emerging viruses worldwide. In the present course we will learn how the immune system respond to the most relevant virus infections as well as the strategies utilized by viruses to evade or subvert host responses. The goal of the course is not only to provide a big picture of immune responses during viral infections but also to learn how to interpret and present primary literature in this fast-moving field.

Prerequisites: BICD140 (Immunology), BICD100 (Genetics) and BIMM100 (Molecular Biology), and their prerequisites.

Lectures: I will present the first lecture reviewing general principles of immune responses. The rest of the classes will consist in presentation and discussion of one paper related to viral immunity. Selected papers will be available to download from website 1-2 weeks in advance and needs to be read before class. A group of ~3 students will be assigned for each paper. The presenters will identify the major question/s addressed by the paper, describe each figure and the correspondent conclusion and come up with a simple take-home message for the paper.

Office hours: I will stay after class as needed to answer any question you may have

I suggest the following template for the presentation

- 1) General question
- 2) Specific question 1, Figure 1, Conclusion from Figure 1
- 3) Specific question 2, Figure 2, Conclusion from Figure 2
- 4) Same as 2 and 3 with subsequent figures
- 5) Review of all conclusions from each figures
- 6) TAKE-HOME MESSAGE

Quizzes: There will be nine quizzes, one every week (except the first week) at the end of each paper presentation. They will consist of 1-2 multiple choice or short answer questions in relation to the paper presented. Questions will be related to conclusions or concepts emphasized during the paper presentation. Each quiz will count for 5 % of your grade.

Participation: Questions, comments, suggestions are encouraged at any time during the lecture

Grading: grading will reflect presentation of the assigned paper (45%), quizzes (45%), participation (10%). The grading will be normalized to the highest score. 60-70% of that score will be a D, 70-80% will be a C, 80-90% will be a B and 90-100% of that an A.

EMAIL COMMUNICATION: eizuniga@ucsd.edu is the appropriate email for all correspondence. Please remember to include your first and last name in the body of the email and WRITE BISP194 IN E-MAIL SUBJECT (your e-mail will not be read if you do not write that). Questions that can be asked before or after lecture should not be asked and will not be answered by e-mail.