

## ANG 6591L, ADVANCED MOLECULAR ANTHROPOLOGY LABORATORY

Prof. Connie J. Mulligan

Class meets in 436 (oral presentations, Tuesdays, 3:30-5pm) and 415 (laboratory research throughout the week) Cancer & Genetics Research Complex

Contact information:

UF Genetics Institute

409 Cancer & Genetics Research Complex

352-273-8092

[cmulligan@ufl.edu](mailto:cmulligan@ufl.edu) (best contact)

Research time is scheduled as needed by each student

Office hours: Friday, 12:30-1:30, B119 Turlington Hall

### Course summary, format and grading:

The purpose of this class is to examine current applications of molecular data to questions of anthropological interest through class discussions and original laboratory research. Approximately  $\frac{1}{4}$  of class time will be spent on oral presentations of journal articles (chosen by the student) and lab results. The remaining  $\frac{3}{4}$  of class time will be spent on original laboratory research focused on the student's dissertation research topic. All research will be conducted in Dr. Mulligan's laboratory (415 Cancer & Genetics Research Complex).

All students will present at two 60 min oral presentation of either: 1) their own laboratory results or 2) a journal article of molecular anthropological interest. For weeks in which a journal article is presented, students will be responsible for reading the article(s) assigned for the week and generating at least 2-3 questions or comments for articles that the student is not presenting. We will also discuss one ethical question (concerning anything to do with conducting original scientific research including lab conduct, publishing a paper, collaborations, etc) approximately every week and students are responsible for submitting at least two questions for discussion. The oral presentation and questions/comments plus regular class participation will account for 25% of the course grade. Students will also design laboratory experiments that address a specific question within the broad area of their thesis research. Each student will have specific goals to be met based on their dissertation research interests. Experimental design, performance of experiments, and maintenance of a laboratory notebook will account for 75% of the course grade.

### Useful websites:

<http://www.clas.ufl.edu/users/mulligan/Webpage/Advancedseminar.2009/SYLLABUS.html> – website for class

<http://www.uflib.ufl.edu/ej/> - UF database of available electronic journals (may only be available from a campus computer)

<http://www.ncbi.nlm.nih.gov/PubMed> - National Library of Medicine database of over 11 million journal articles dating back to the 1960s

<http://www.genome.gov/glossary.cfm> – NIH-maintained glossary of genetic terms

<http://medical.webends.com> - Online medical dictionary

<http://www.genomesonline.org/> - status of genome sequencing projects

<http://www.stanford.edu/group/morrinst/hgdp.html> – Human Genome Diversity Project (dated, good for historical perspective)

**Class attendance policy:** Because the class meets formally only one time per week for the weekly seminar and because the class format is mainly discussion, it is very difficult to make up missed classes. Therefore, students are strongly encouraged to attend all classes. Computers are allowed in class for taking notes.

**Accommodations for students with disabilities:** If you require accommodation due to a disability, please make an appointment during my office hours so that we may discuss your needs. Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

**Academic honesty:** As a result of completing the registration form at the University of Florida, every student has signed the following statement: "I understand that the University of Florida expects its students to be honest in all their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University." An excellent website that discusses plagiarism (provides a definition and many useful examples) is <http://www.csuabak.edu/ssric/Modules/Other/plagiarism.htm>. All students should read this material at least once.

**UF Counseling Services:** On-campus services are available for students having personal problems or lacking clear career and academic goals. They include:

1. University Counseling Center, 301 Peabody Hall, 392-1575, personal and career counseling
2. Student Mental Health, Student Health Care Center, 392-1171, personal counseling
3. Sexual Assault Recovery Services (SARS), Student Health Care Center, 392-1161, sexual assault counseling
4. Career Resource Center, Reitz Union, 392-1601, career development assistance and counseling

**Schedule of oral presentations/seminars:**

Tuesday, 3:30-5, 436 Cancer & Genetics Research Complex

Jan 29	David Hughes
Feb 5 (351a)	Tamar Carter
Feb 12	Aida Miro
Feb 19	Deven Vyas
Feb 26	Kelly Chapman/Choeeta Chakrabarti
Mar 5	Spring break
Mar 12	Laurel Pearson
Mar 19	Tamar Carter
Mar 26	Deven Vyas
Apr 2	Aida Miro
Apr 9	Prepare for AAPA meetings
Apr 16	Kelly Chapman
Apr 23	Choeeta Chakrabarti