IOWA STATE UNIVERSITY

FALL 2015

GENET 697. Research Rotations.

CREDITS 1 – 6

TIME AND LOCATION OF MEETINGS: AS DETERMINED BY YOUR ROTATION FACULTY MENTOR

INSTRUCTOR OF RECORD: Jeffrey Essner, DOGE, 636 Science II, 294-7133, jessner@iastate.edu, contact via phone or email to set up appointment.

Additional information in support of rotations can be found here: http://www.genetics.iastate.edu/orientrotate14.html Please review all information at this website.

New GENETICS and GENOMICS Ph.D. graduate students recruited for rotations beginning Fall and who are funded through May will participate in 3 laboratory rotations of 6 to 8 weeks in length. Students contact faculty in whose research they are interested to see about the availability of projects. You should only rotate through the labs of faculty who can provide funding for your stipend, benefits, and tuition after your IG2 assistantship ends.

New GENETICS and GENOMICS Ph.D. graduate students recruited for rotations beginning Fall and who are funded through the end of December will participate in up to 3 laboratory rotations of 5 to 6 weeks in length. Students contact faculty in whose research they are interested to see about the availability of projects. You should only rotate through the labs of faculty who can provide funding for your stipend, benefits, and tuition after your IG2 assistantship ends.

New GENETICS and GENOMICS MS graduate students recruited for rotations can rotate through 2 to 3 labs from 5 to 6 weeks in length for the duration of one semester. Students contact faculty in whose research they are interested to see about the availability of projects. You should only rotate through the labs of faculty who can provide funding for your stipend, benefits, and tuition after your IG2 assistantship ends.

New GENETICS and GENOMICS Ph.D. graduate students recruited for rotations beginning Spring will participate in 2 to 3 laboratory rotations of 6 to 8 weeks in length. Students contact faculty in whose research they are interested to see about the availability of projects. You should only rotate through the labs of faculty who can provide funding for your stipend, benefits, and tuition after your IG2 assistantship ends.

New GENETICS AND GENOMICS graduate students will complete lab safety training prior to participating in any experiments in the lab.

New GENETICS AND GENOMICS students will meet with faculty interested in hosting rotation students to discuss expected times and days to be spent in the laboratory. Students will let the program coordinator and program DOGE know of the beginning and ending of each rotation.
Each laboratory will have different expectations. At the end of each rotation the student is responsible for meeting with the faculty member to discuss how the laboratory experience went. The student may also be required to present a short talk about their laboratory project. The faculty member will communicate how the student did during the rotation to the DOGE.

Genetics and Genomics Major--Learning Outcomes:

- Apply scientific thinking in the analysis, synthesis and evaluation of knowledge within the discipline of genetics.
- Apply ethical reasoning within the discipline of genetics.
- Effectively communicate genetics information in written and oral forms to professional audiences.
- Effectively interact within scientific teams.

Learning activities and expectations for research rotation credits:

- Articulate orally and in writing purposes and plans for the research you will be doing.
- Participate actively in recurring lab group meetings, including analysis, synthesis, evaluation and presentation of research results and relevant journal articles.
- Participate in individual meetings with your advisor as scheduled/needed.
- In a laboratory notebook, thoroughly describe research methods and results.
- Practice the skills of a worthy team member.
- Orally and in writing, reflect on the quality and significance of research practices and results, including ethical implications and implications for your field of study.

Grading—To earn an “S”, you must show satisfactory progress on each of the learning outcomes and activities specified by the principal investigator of each laboratory chosen for your rotations.

Academic Dishonesty

The class will follow Iowa State University’s policy on academic dishonesty. Anyone suspected of academic dishonesty will be reported to the Dean of Students Office. [http://www.dso.iastate.edu/ja/academic/misconduct.html](http://www.dso.iastate.edu/ja/academic/misconduct.html)

Disability Accommodation

Iowa State University complies with the Americans with Disabilities Act and Sect 504 of the Rehabilitation Act. If you have a disability and anticipate needing accommodations in this course, please contact Dr. Jeffrey Essner and the faculty member with whom you are doing your rotation to set up a meeting within the first two weeks of the semester or as soon as you become aware of your need. Before meeting with Dr. Jeffrey Essner, you will need to obtain a SAAR form with recommendations for accommodations from the Disability Resources Office, located in Room 1076 on the main floor of the Student Services Building. Their telephone number is 515-294-7220 or email disabilityresources@iastate.edu. Retroactive requests for accommodations will not be honored.

Dead Week
This class follows the Iowa State University Dead Week guidelines as outlined in http://catalog.iastate.edu/academiclife/#deadweek

**Harassment and Discrimination**
Iowa State University strives to maintain our campus as a place of work and study for faculty, staff, and students that is free of all forms of prohibited discrimination and harassment based upon race, ethnicity, sex (including sexual assault), pregnancy, color, religion, national origin, physical or mental disability, age, marital status, sexual orientation, gender identity, genetic information, or status as a U.S. veteran. Any student who has concerns about such behavior should contact his/her instructor, Student Assistance at 515-294-1020 or email dso-sas@iastate.edu, or the Office of Equal Opportunity and Compliance at 515-294-7612.

**Religious Accommodation**
If an academic or work requirement conflicts with your religious practices and/or observances, you may request reasonable accommodations. Your request must be in writing, and your instructor or supervisor will review the request. You or your instructor may also seek assistance from the Dean of Students Office or the Office of Equal Opportunity and Compliance.

**Contact Information**
If you are experiencing, or have experienced, a problem with any of the above issues, email academicissues@iastate.edu.