Laboratory Information - Bring out your inner scientist!

Your lab class will meet once a week for 3-hours in room C-4 Holmes Hall. This semester, you will design and pursue one experiment all semester long. Your group will find published research papers and invent project ideas which you will then propose and pursue (and submit animal research form below). The staff working the laboratory will help support your learning of science research, as well as authoring papers, films and HTML code (for the online version of the research paper, with movies).

- You should be prepared to spend on average 3 hours inside the LB144 laboratory as well as 6+ hours outside of the lab with your group per week – so plan accordingly.

- Your research group will need to meet twice weekly to do field research outside of class during the week as well as meet to coordinate the projects and papers you author as a group. Each member of the group with have a specific role & responsibilities. Groups will create "contracts" with expectations and if broken a group may fire lazy members and you can quit a lazy team.

- The above also means that if you explain to your research team that you are “busy” with social events every evening and intend to go home each weekend, you won’t succeed in this course. Don’t be a TOURIST - make college a priority.

- The key to success in the laboratory class is to think and work like a scientist (avoid the mindset of a student simply doing the very minimum). Strive to work as though you are a professional scientist and this is your research project (true).

- Labs all meet in room C-4 Holmes Hall

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Fall Schedule (official course section indicated)
Lab 1 (7): Tuesday 7-10pm George Hyde, Hayden Stoub, Anthony Watkins
Lab 2 (8): Wednesday 11:30-2:30pm -> George Hyde, Morgan Kiryakoza, Luckie
Lab 3 (9): Wednesday 7-10pm -> Mellissa Ungkuldee, Kaleb Howard, Anthony Watkins
Lab 4 (10): Thursday 8am-11am -> Samantha Thacker, Hayden Stoub, Joel Betts
Lab 5 (11): Thursday 11:20-2:20pm -> Kaleb Howard, Samantha Thacker, Joel Betts
Lab 6 (12): Thursday 7-10pm -> Morgan Kiryakoza, Mellissa Ungkuldee, Roshan Angoshtari
Michigan State University
IACUC AUF EXEMPTION FORM
THIS FORM MUST BE SUBMITTED AS A WORD FILE VIA EMAIL TO: iacuc@msu.edu

<table>
<thead>
<tr>
<th>Faculty Member:</th>
<th>Primary College:</th>
</tr>
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<tbody>
<tr>
<td>Department:</td>
<td>Campus Phone:</td>
</tr>
<tr>
<td>Campus Address:</td>
<td>Fax Number:</td>
</tr>
<tr>
<td>Email Address:</td>
<td>Species:</td>
</tr>
<tr>
<td>Title of Project:</td>
<td>Funded by:</td>
</tr>
</tbody>
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This project is a subcontract from another institution / or this project will have subcontracts with another institution. In the description below, include the name of the institution, principle investigator, and protocol number.

Not using animals in research. Checked the incorrect box on the transmittal form.

Activities where the primary purpose is wildlife rehabilitation in which the aim is to return the animals to the wild.

Activities that are standard veterinary care.

Blood donor animals not involved in teaching, research or outreach activities.

“Umbrella” projects, when funding is approved yet specific experimental designs are not known at this time, with the understanding that an animal use form will be submitted and must be reviewed and approved by the IACUC prior to any animal use.

Projects where domesticated vertebrates are only observed and kept under generally accepted agricultural management practices.

Teaching demonstrations of privately owned animals with no student – animal contact during the demonstration.

Project where animals/wild vertebrates are observed undisturbed in their natural habitat.

Research involves tissues or fluids that are:

- [ ] left over from IACUC approved projects at MSU/other research institutions.
- [ ] left over from diagnostic tests performed by private practitioners or diagnostic laboratories.
- [ ] harvested from a vertebrate after it is dead. (Note: if vertebrate euthanasia occurs in order to supply tissue/liquid for this project, an AUF is required)
- [ ] collected using non-invasive techniques (e.g., saliva, free flow urine or feces). Provide details of collection techniques below.
- [ ] coming from an established cell line.

Project involves retrieval of data from paper or electronic records.

When blood is being drawn as part of an approved SOP, AUF or standard veterinary practice, an additional amount CAN BE taken that will not compromise the animal’s health. Provide SOP and AUF # below. Provide information on the reason for the blood sample and specify the amount per animal. For guidelines on safe volumes of blood draws, see http://www.ahc.umn.edu/rar/blood.html

Project that uses vertebrate non-mammalian embryos that are less than the half-way point of the incubation period.

Projects that have current IACUC approval at another institution. Provide Institution and email/phone number of the IACUC office below.

Grant for salary purposes only. Provide PI and AUF # that you are listed on and certify that all the experiments you are doing are covered in this AUF.

Custom Antibody Production (For PHS Funding only). Provide the name of the Custom Antibody House and their NIH Assurance number. See IG303: Antibody Production for PHS Funded Research (http://animalcare.msu.edu/guides)

Use of cephalopods in research

Work with live animals has been completed, however funding is being extended.

BRIEF DESCRIPTION OF THE PROJECT (to be evaluated by the IACUC to determine whether it qualifies for the exemption listed above):

Date Received:       Date Approved:       Expiration Date (3 years from approved date):