For doctoral students:

1. Produce and defend an original significant contribution to knowledge at the appropriate level for a doctoral candidate.
2. Demonstrate mastery of subject content knowledge and research/critical inquiry methodology
3. Demonstrate effective written communication of substantive content
4. Demonstrate effective oral communication of substantive content
5. Be able to conduct scholarly and professional activities in an ethical manner
6. Publish thesis work in high quality, peer reviewed journals and present work at relevant conferences.

Based on the information below, all of our five doctoral students are achieving our learning outcomes.

- **Lauren Bennett** (mentor: Thom Hughes).

In her 3rd year of graduate school.

Passed her comprehensive exam, September, 2015.

**Publications:**


- **Nicholas Dotson** (mentor: Charlie Gray)
Graduated with Ph.D in May 2014
Passed his Oral candidacy exam
Passed his Oral thesis defense
He took the Ethics course

Publications:


Oral presentations:

Chico conference (2010) the conference we hosted with the University of Montana
Kopriva lecture (2015)
Cosyne 2010
SAND6 2012
Networked Brain Conference 2013
FENS 2014
Teaching Assistant for "Introduction to Neurophysiology" (1 semester, 2009)
Guest Lecturer for "Cognitive Neuroscience" class (2011, 2012) (your class)
Guest Lecturer for "Techniques of Animal Experimentation (2012) (Chris’ class)

- **Steven Hoffman** (mentor: Charlie Gray)

Oral presentations:
Society for Neurosciences, Fall 2014

Department of Cell Biology and Neuroscience seminar, May 2015.

Graduate School travel award to present a poster at the Society for Neuroscience annual meeting, Fall 2015.

Took an Ethics course.

Paper submitted:

**Methods, caveats, and the future of large-scale microelectrode recordings in the non-human primate**
Nicholas M. Dotson1, Baldwin Goodell1, Rodrigo F. Salazar1,2, Steven J. Hoffman1 and Charles M. Gray1

- **Typhani Lynn** (mentor: Charlie Gray)

Presentations:
2013 Spring - Poster MSU Student Research Celebration (Interdisciplinary research with Data Mining Lab)

2013 Spring - Awarded Graduate Research Fellowship from the National Science Foundation

2013 Spring - MBSP Seminar Presentation at MSU

2015 Spring - CBN Department Seminar at MSU

2013-2015 TA for Neuroscience of Mental Illness

- **Sarah Ohlen** (mentor: Frances Lefcort)

Presentations:
Department of Cell Biology and Neuroscience, Fall, 2014

Passed her graduate comprehensive exams in November, 2014.

Finished all her required course work

Two papers in preparation.
Will be presenting a poster at this year’s American Society for Cell Biology meeting in San Diego, CA.

Was awarded a $500 grant from CLS and a $400 grant from the American Society for Cell Biology to attend the meeting.

Took an Ethics course.