

**SYLLABUS****PHA6512L****Experimental Research Training in Pharmacodynamics**

6 Credit Hour (4 in Fall 2022 and 2 in Spring 2023)

**DESCRIPTION AND OBJECTIVES**

In each 2-credit hour “rotation”, the student will spend 7 weeks in a research laboratory under the direction of a Department of Pharmacodynamics faculty member. The laboratory rotations are designed to provide the first-year student and the pharmacodynamics faculty member the opportunity to mutually assess the extent to which the student and laboratory/mentor are a good fit as an eventual home lab for the student’s doctoral dissertation research. Moreover, the laboratory rotation is an opportunity for the student to obtain valuable skills (i.e., techniques, philosophies, ways of thinking) that can be applied to enhance the student’s graduate research experience. The student is expected to immerse him/herself in the laboratory chosen for that rotation to gain firsthand experience working with the principal investigator of the laboratory, interact with members of the laboratory that are at various stages of training and career development, as well as obtain a basic understanding of the research interests and the key research approaches of the laboratory. Upon the completion of a series of laboratory rotations, the student is expected to identify a laboratory in the Department of Pharmacodynamics that best matches the research interest and fosters the career development of the student.

**FACULTY**

<b>Laboratory</b>	<b>Office</b>	<b>Email</b>
Dr. Thomas Burris	ICBR-GI	burris.thomas@ufl.edu
Dr. Jason Frazier	P2-29	frazier@cop.ufl.edu
Dr. Eric Krause	MBI-L4-177	ekrause@cop.ufl.edu
Dr. Bin Liu	P2-31	liu@cop.ufl.edu
Dr. Siobhan Malany	P1-31	SMalany@cop.ufl.edu
Dr. Jay McLaughlin	P1-33	jmclaughlin@cop.ufl.edu
Dr. Brandon Warren	P1-27	brandon.warren@cop.ufl.edu

**Course Coordinator:** Dr. Bin Liu**POLICY ON ROTATIONS**

Students are encouraged to have three 6-week laboratory rotations with three different faculty members of the Department. At the end of each 6-week session, the student will receive a grade given by the faculty member and will give an end-of-rotation presentation to the department. With the approval of the Graduate Coordinator and the Department Chair, a student is allowed to rotate with only two different faculty members of the Department, i.e., to rotate twice with the same faculty member. However, “double rotations” with the same faculty member are considered to be two independent rotations each requiring both a grade and a presentation.

**FORMAT AND TIMELINES**

At the end of the mini laboratory rotations in The Fall Methods course (PHA6521C), each student is required to submit, in writing, information on the names of the faculty members they wish to do their rotations with and the sequence of the rotations. This information has to be submitted by 11 pm on September 10, 2022, to the Graduate Coordinator. The Graduate Coordinator will work with the student's selected laboratories/faculty members to develop an action plan for the three rotations to set in force. This information will be shared with both the students and the faculty members before the start of the first rotation.

The start and end dates for each of the three rotations are as follows:

09/12/22 – 10/28/22:	Rotation 1
10/28/22, 12 – 1 pm:	Rotation 1 presentation, <b>P2-20</b>
10/31/22 – 12/16/22:	Rotation 2
12/16/22, 12 – 1 pm:	Rotation 2 presentation, <b>P2-20</b>
01/02/23 – 02/17/23:	Rotation 3
02/17/23, 12 – 1 pm:	Rotation 3 presentation, <b>P2-20</b>

On the last day of each rotation, the student will present a brief summary of his/her research activities performed during the rotation.

At the end of the three rotations, the student is required to submit, in writing, his/her selection of the laboratory/faculty member for dissertation research. This request has to be submitted to the Graduate Coordinator by February 18, 2023. Upon mutual agreement between the student and the faculty member, the faculty member herein becomes the mentor of the student.

### **POST ROTATION PRESENTATION**

Students will present to the department an overview of their laboratory experience during a fifteen (15) minute presentation that includes the presentation (10 min) and question and answer session (5 min) at the end. Time limits will be strictly enforced so that each student has the same opportunity to present during the 1-h presentation period. Students are strongly encouraged to use this opportunity to present their own research conducted during the 7-week rotation. Excessive use of research findings (both published and unpublished) of other members in the laboratory is strongly discouraged.

### **EVALUATION OF PERFORMANCE**

Grades will be based on performance during the laboratory rotation and the end of rotation presentation.

Activity	Percentage
Performance during rotation	80%
End of rotation presentation	20%
	<b>100%</b>

**Grading Scale**

Percent Grade	Letter Grade	GPA
≥ 93.0%	A	4.00
90.0% - 92.9%	A <sup>-</sup>	3.67
87.0% - 89.9%	B <sup>+</sup>	3.33
83.0% - 86.9%	B	3.00
80.0% - 82.9%	B <sup>-</sup>	2.67
77.0% - 79.9%	C <sup>+</sup>	2.33
73.0% - 76.9%	C	2.00
70.0% - 72.9%	C <sup>-</sup>	1.67
67.0% - 69.9%	D <sup>+</sup>	1.33
63.0% - 66.9%	D	1.00
60.0% - 62.9%	D <sup>-</sup>	0.67
< 60.0%	E	0.00

**PROFESSIONAL CONDUCT**

Students are expected to adhere to the University of Florida Honor Code “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity”. Academic dishonesty will result in earning a failing grade (i.e., E) for the entire course and additional consequences dictated by the University of Florida code of conduct.