

Embryo Microinjection Workshop Syllabus

BSC 6926 Workshop Bio: Embryo Microinjection

Lectures: Tuesday GL 245, Thursday GL 245

Laboratory: AHC1 204

T/TH 3-4:45pm (additional lab time TBD)

Dr. Matthew DeGennaro

Fall 2018

NOTE: SCHEDULE IS PRELIMINARY AND SUBJECT TO CHANGE

Summary:

This workshop provides the tools you need to microinject an embryo to achieve genetic transformation. **This course is an extension of the techniques learned in the Genome Editing Workshop and requires the course for enrollment (offered earlier in the semester).** Mosquito embryos will be provided, but other organisms are welcome.

Embryo microinjection weeks will require extensive time spent in the laboratory. It will be scheduled so each student gets an opportunity to microinject.

Lecture/discussion meetings on Tuesdays and Thursdays at 3 to 4:45pm:

11/6	Intro to Embryo Microinjection (lecture)	GL 245
11/8	Microinjection techniques (lecture)	GL 137
11/13-16	LAB: Embryo microinjection I	AHC1 204
11/19-21	LAB: Embryo microinjection II	AHC1 204
11/19-21	LAB: Embryo microinjection (catch up)	AHC1 204
12/4	Workshop wrap up	GL 245