



Fall 2016–MCDB 4100: a discovery lab course Experimental Design & CRISPR-CAS9 mutagenesis in *Xenopus laevis*.

Porter B428 Monday 10AM, B425 Tues/Thurs 2 to 4PM Drs. Birsoy & Klymkowsky

A three-credit course where you will i) research and select a gene to study; ii) design and generate reagents to mutate it using the latest gene-editing technology; and iii) analyze the mutant embryos. The course consists of a weekly 1-hour lecture and discussion session and two 2-hour laboratory sessions.



Our goal to provide you with first-hand experience in designing and building reagents, carrying out and interpreting experiments, and presenting your studies of a previously unanalyzed (in *Xenopus*) gene to the public.

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