

BIO-221 Hydra regeneration experiments

26 November 2025

We will be performing ablation/regeneration experiments with *Hydra viridissima* (greenish, because of the symbiotic unicellular alga *Chlorella*), very much like Trembley did in the 1740's. In essence, we will follow the procedure that you can find in Bossert and Galliot, 2012 (page 646, Protocol 10), cutting the animals at approximately 50% body length.

You are welcome to also conduct other types of ablation (with a clear question in mind) if you want. As mentioned in class, the animals will be left in a 16°C incubator and analyzed by Dessi (and potentially you if you are interested in joining her) on Friday (12:30pm-2pm). The outcome will be briefly discussed at next week's exercise session (December 3rd, 2025).