

We hope this will be the first of a series! Please add any requests and ideas for more Bio Wizardry workshops to the # biology and # training slack channels.

# BIO WIZARDRY 101

## Learn:

- How to get usable DNA from any organism!
- Amplify any gene with PCR!
- Visualize and sequence one of your own genes!
- Use DNA barcoding to identify plants, microbes, and animals!

Extended workshop:

Virtual session  
Saturday, Jan.  
14th, 1-2 pm

Pick your own  
gene to amplify

Design your  
own PCR  
primers.

## Main workshop:

- Sunday, January 22<sup>nd</sup>, 1-4 pm
- (1) Tour of Splat Space biolab, safety and training basics.
  - (2) Amplify DNA with a PCR reaction!
  - (3) Run a DNA gel to see your results.

Extended workshop:  
Recover amplified DNA from the gel and send for sequencing.

Extended workshop:

Virtual session  
Saturday, Jan.  
28th, 1-2 pm

Retrieve  
sequencing  
results and  
analyze your  
DNA!

## Cost for materials:

**main workshop only = \$7**

**yellow extended = +\$10    purple extended = +\$10**