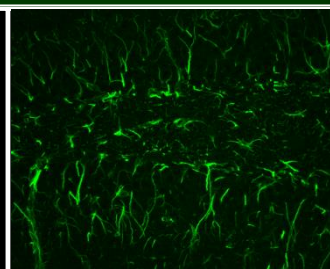
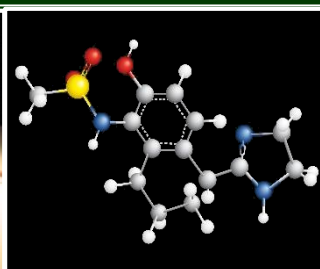
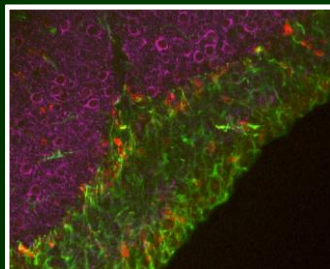




# MOLECULAR BIOLOGY BOOT CAMP for High School Students



– SUMMER 2023 –



June 19-23 (9am – 5pm)  
Participants will receive \$500  
Enrollment limited to 20

Learn how to:

- Use DNA fingerprinting to identify potential crime scene suspects.
- Test common foods for presence of genetically modified organisms (GMOs).
- Perform ELISA to track disease outbreaks.
- Use an enzyme found in mushrooms to explore biofuels and factors influencing reaction rates.
- Perform genetic transformation in bacteria with a gene coding for a green fluorescent protein.

Format:

- Hands-on performance of molecular biology laboratory experiments.
- Lab demos and tours in the Departments of Pathology and Biology.
- Brief classroom learning sessions (mini-lectures, exercises, discussion).

Participants will learn about and perform basic lab techniques commonly used in modern forensics, medicine and biology.

Location: Research & Teaching Labs,  
School of Medicine & Health Sciences,  
University of North Dakota,  
1301 N. Columbia Rd., Grand Forks, ND

To apply: Complete application at  
<https://tinyurl.com/molbio23>

Submit your high school transcripts and ask a teacher/counselor/principal to send a letter of recommendation to [karen.cisek@und.edu](mailto:karen.cisek@und.edu)

Questions?

Karen Cisek, M.S.  
701-777-6377  
[karen.cisek@und.edu](mailto:karen.cisek@und.edu)



**One-week didactic and laboratory-based introduction  
to molecular biology for high school students**