

2019 SPRING BIOTECHNOLOGY/AP PREP WORKSHOP



Saturday, March 2, 2019

8:30 a.m. – 5:30 p.m.

Mayville State University

Science Building

WHO SHOULD ATTEND?

- High School Science Teachers (AP and general)
- Middle School Science Teachers
- Limited to 20 participants

HOW CAN YOU ATTEND?

Go to <https://tinyurl.com/Biotech19SpringMayville>

FOR THE ATTENDEES

- No cost – participants will receive a \$200 stipend for completing the workshop
- Professional Development credits available
- Access to borrow equipment (PCR thermal cycler, electrophoresis chambers, etc..) to perform experiments in your classroom
- Learn new laboratory exercises covering topics relevant to the AP biology curriculum and adaptable to general science classes

HANDS-ON TRAINING WITH THE BIO-RAD BIOFUELS, PGLO TRANSFORMATION, AND ELISA IMMUNO EXPLORER KITS:

- Use cellobiase activity of mushroom extracts to explore biofuels
- Determine optimal conditions to increase enzymatic reaction rate
- Observe bacterial transformation
- Perform protein purification
- Use ELISA to track disease outbreak

QUESTIONS?

Contact Karen Cisek at karen.cisek@UND.edu / 701.777.6377

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