

NABT Indianapolis Hands-On Workshop Schedule

Join us at the JW Marriott Indianapolis, Grand Ballroom 2, for our free workshops

Friday, November 11 (all in room JW Grand 2)

- 8:00 – 9:00 AM **PCR Amplified: Advanced Topics & Techniques**
From dyes to droplets, learn what's new in PCR including quantitative PCR (qPCR, aka real-time PCR), droplet digital PCR (ddPCR), and applications for studying gene expression, disease outbreaks, and more.
- 10:30 – 11:45 AM **Hands-On Chromosomal Gene Editing with the Out of the Blue CRISPR Kit**
CRISPR's most relevant uses require more than just knockouts! In this hands-on workshop you'll use CRISPR-Cas9 to cut and repair an *E. coli* chromosomal gene while learning about essential experimental controls.
- 12:00 – 12:30 PM **Track Disease Spread using Modeling and Gel Electrophoresis**
Put your epidemiologist hat on and determine the transmission mode of a new virus using molecular data, patient histories, and clues hidden in a restaurant.
- 2:00 – 3:15 PM **The Plight of the Bumblebee: Studying Bee Genetic Biodiversity using DNA Barcoding**
Taxonomy in action: use visual cues and biotechnology techniques to sort bumblebees into separate species. Experience how PCR, sequencing, and bioinformatics help scientists distinguish bee species.
- 3:30 – 4:00 PM **Personalized Medicine: CRISPR Therapies Transforming Medicine Now!**
Discover some of the most exciting CRISPR medical applications in development, including those for CAR-T and immunotherapies, and how students can model CRISPR-Cas9 chromosomal gene editing to treat disease.

We will be following local COVID-19 guidelines to ensure participant safety.

Call toll free at 1-800-4BIO-RAD. Outside the U.S. contact your local sales office.