

Workshops

by EDVOTEK®

CAST

Fort Worth, TX
Thurs. Nov. 1, 2018

■ **Middle School Biotechnology:** An Easy Approach to Explore With Your Students

Thursday, 8:00 AM - 9:00 AM • Fort Worth Convention Center, 121F

Would you like share technologies used in today's biotech laboratories with your Middle School students? Join us for this hands-on workshop where you'll explore commonly used high-level skills (DNA isolation, electrophoresis, etc.). These activities will help your students understand how techniques like genetic engineering work in a real-world context.

■ **Cancer Investigators:** Medical Diagnostics in Your Classroom

Thursday, 3:00 PM - 4:00 PM • Omni Hotel, Sundance 4

Cancer contributes to almost one in every four deaths in the USA. Fortunately, recent innovations in biomedical research have improved our understanding of the differences between normal and cancer cells. In this hands-on workshop, participants use microscopy and electrophoresis to explore and investigate the hallmarks of cancer.

■ **What's in My Lunch?** Using the Polymerase Chain Reaction to Identify Genetically Modified Foods

Thursday, 4:30 PM - 5:30 PM • Omni Hotel, Sundance 4

For centuries, selective breeding and conventional hybridization were used to produce desirable qualities in plants. Today, genetic engineering allows scientists to directly manipulate DNA, quickly producing these traits. Controversial or not, some companies removed GM ingredients entirely. In this workshop, snack food DNA is extracted/analyzed using PCR and Electrophoresis.

