

Kathryn Bungartz, Ph.D.
Strategic Business Manager
Subject Matter: Expert Oncology
QIAGEN Digital Insights, EMEA/APEC
Stadtkyll, Germany



Biography: Kathryn currently works for QIAGEN Digital Insights where she enables clinical scientists, pathologists, and others to find the best solutions for secondary and tertiary analysis of hereditary and somatic NGS results. Dr. Bungartz joined QIAGEN in 2019 with the acquisition of N-of-One, a clinical interpretation company. Prior to her role with N-of-One, Dr. Bungartz was the content editor for the American Journal of Human Genetics and held several roles in science writing and advanced education. Stations of her career include Creighton University, the Max Planck Institute for Biochemistry, University of Pennsylvania, and Harvard Medical School. During her research career, Kathryn successfully competed for multiple highly competitive national and international grants and fellowships including from the NHS and NSF. Kathryn was born and raised in Riverton, WY and returns with her family each year.

Workshop: *See DNA With Your Own Eyes* - This workshop will introduce the students to DNA by guiding them through a hands-on strawberry DNA extraction experiment. Using simple household materials, students will learn how to break open cells, release their genetic material, and make DNA visible to the naked eye. As the strands of DNA become visible, students can explore key scientific concepts, such as the role of detergents in cell lysis and the function of salt in DNA aggregation. The session will conclude with a discussion on DNA's importance in genetics, forensics, and biotechnology.