



SCIENCE EDUCATOR WORKSHOP

Teaching Precision Medicine, Genomics, & Molecular Diagnostics in Your Classroom

A **FREE** Workshop for High School and College Instructors from the
Association for Molecular Pathology (AMP)

You're Invited!

Launched in 2015 this popular event, held one day prior to the AMP Annual Meeting, is a complimentary workshop for local area high school and college level science faculty. World-renowned genetics educator **Dr. Louisa Stark** of the University of Utah will present a keynote address as the capstone of a comprehensive program. The program includes presentations on the field of molecular pathology, career options in molecular medicine, and hands-on activities for teaching concepts in precision medicine. The goals of this workshop are to:

- Update teachers/instructors on relevant, timely topics in the clinical molecular diagnostics laboratory.
- Provide an awareness of the molecular pathology profession through sharing academic and personal life experiences.
- Explore innovative curricula and educational best practices.
- Build local educational communities around content and pedagogy experts in molecular concepts and methods.

Eligible Participants: High School/College Science Educators and their high-level science students (up to 3 per teacher)

Date: Wednesday, November 15, 2017, 7:30am - 3:45pm

Location: Salt Lake Marriott Downtown at City Creek, Salt Lake City, UT

Registration: **FREE**, but seats are limited. Attendees are responsible for transportation costs, including parking.

Program

Welcome & Introductions

Annette S. Kim, MD, PhD, *Brigham & Women's Hospital*

Contemporary Topics in Molecular Diagnostics

Federico A. Monzon, MD, *Castle Biosciences*

Welcome Address

Cecilia Yeung, MD, *Fred Hutchinson Cancer Research Center, University of Washington*

DNA and Genomics: An Introduction & Overview

Barbara Anderson, MS, *Duke Molecular Diagnostics Laboratory*

An Introduction to the Pathology Laboratory

Tessara Baldi, BS, *Memorial Sloan Kettering Cancer Center*

An Introduction to Molecular Pathology

Cecilia Yeung, MD, *Fred Hutchinson Cancer Research Center, University of Washington*

Introduction: An Overview of Careers in Molecular Pathology

Sarah Horn, PhD, *Duke University*

Career Panel Discussion

Sarah Horn, PhD, *Duke University*

Eric Konnick, MD, *University of Washington*

Justyna Sadowska, *Memorial Sloan Kettering Cancer Center*

Networking Lunch with Molecular Laboratory Professionals

Hands-On Activities

- The DNA Necklace (Supported by Bio-Rad)
- Lab Reports and QA and QC, Oh My!
- E-gels and The Candy Caper (Supported by Bio-Rad)
- Genetics, Inheritance, and You

Keynote Presentation: Louisa Stark, PhD

Professor of Human Genetics and Director of the Genetic Science Learning Center, *University of Utah*

Science Educator Workshop: A Discussion of Curricula

To Register:

<http://amp17.amp.org/program/science-educator-workshop/>

This program is presented by The Association for Molecular Pathology (AMP) Training & Education Committee and has been supported in part by Bio-Rad Laboratories.

BIO-RAD