

University of Wyoming  
Fisher & Friends Prime Vendor Showcase  
Technical Presentations – Tuesday Sept 24<sup>th</sup> 2019  
Wyoming Student Union – Family Room (212)

- 9:30 – 10:25 **Best practices for successful HPLC**  
(presented by Chris Foster from Thermo Scientific)  
Chris joins us from our center of excellence team as an HPLC support specialist. HPLC is a complex analytical and separation technique, but there are some steps a user can take to simplify, optimize and streamline their application. Chris will go through some tips and tricks that HPLC users will find valuable.
- 10:30 – 11:25 **Best practices for successful GC and GCMS**  
(presented by Ekong Bassey from Thermo Scientific)  
Ekong has decades of experience as a chemist and applications specialist for GC and GCMS.. He is a terrific teacher and has worked with most techniques that are important to the University of Wyoming. This presentation will be interactive in nature and is designed to help both beginner and experienced researchers make discoveries and improve their GC and GCMS experience.
- 11:30 – 12:25 **Essentials of Real-Time PCR: Chemistry, Troubleshooting, and Applications**  
(presented by Maura Andrews from Applied Biosystems)  
Maura has been a Field Applications Scientist at Thermo Fisher for over four years, supporting customers in CO, WY, ND, SD, and NE. She trains users on a wide variety of molecular biology instruments and applications- including real-time PCR, digital PCR, and Laser Capture Microdissection. This presentation aims to focus on real-time PCR and help users to better understand qPCR chemistry, assay selection, and perform basic experimental troubleshooting.
- 12:30 – 1:25 **Magnetic 3D Cell Culture – 3D in a 2D Workflow**  
(presented by Jackie Bowlin from Greiner Bio One)  
Greiner Bio-One is pleased to conduct an educational seminar on our magnetic 3D cell culture system that provide rapid and effective tools for spheroid cultures, representative of native tissue environments. This technology magnetizes cells to rapidly print spheroids with use of gentle magnetic forces within a Greiner Bio-One Cell-Repellent™ plate, resulting in an easy-to-use platform for 3D cell culture that overcomes the technical limitations of other currently available 3D platforms.
- 1:30 – 2:30 **Automated Microscopy of Unlabeled Cells - wound healing, migration, and toxicity**  
(presented by Ryan Kimball from BioTek)  
Kinetic cell proliferation assays enable quantitative analysis of cell viability and growth rates and are a powerful tool for evaluating cellular response to drug treatment. Conventional methods rely on either indirect biochemical measurements or the use of fluorescent labels. Alternatively, high contrast brightfield cell counting provides a direct and label-free method for measuring cell population size. Combining the high contrast brightfield imaging capabilities of the Cytation™ 5 Cell Imaging Multi-Mode Reader with the BioSpa™ 8 Automated Incubator enables convenient and robust long-term kinetic cell proliferation studies.