



### **Room 103C: Sunday, February 11**

**11:30 AM – 1:00 PM**

**Carl Zeiss Microscopy LLC**

#### **ZEISS Dynamics Profiler – Push Fluorescence Correlation Spectroscopy to a New Level**

**Speaker:** *Samantha Fore, Life Sciences Product Marketing Manager Laser Scanning Microscopy, ZEISS Research Microscopy Solutions North America*

The ZEISS Dynamics Profiler for Airyscan 2 offers an innovative approach to studying molecular dynamics in living samples, expanding upon traditional fluorescence correlation spectroscopy methods. With remarkably easy access to molecular dynamics, researchers can gain deeper insights into complex biological systems. The unique design of the Airyscan 2 detector enables the Dynamics Profiler to provide new discoveries through asymmetric diffusion and flow analyses; hence, providing a comprehensive view of molecular dynamics. With the ability to study a wide range of biological samples, the Dynamics Profiler is a powerful tool for researchers in the life sciences seeking to advance their understanding of dynamic biological processes.

#### **ZEISS Lattice SIM Family - Versatile Super Resolution Across Scales**

**Speaker:** *Peter Favreau, Product Marketing Manager, Lattice Line Microscopes*

The new ZEISS Lattice SIM Family is designed to offer researchers the most versatile solution for meeting their live cell and super resolution imaging needs. Super-resolution microscopy has seen an explosive rise in popularity over the past decade, with techniques like SMLM and SIM granting researchers unparalleled access to structural details and molecular interactions. The Lattice SIM Family builds off the success and renowned super-resolution and live cell imaging capabilities of ZEISS Elyra 7 by offering a suite of three instruments: ZEISS Lattice SIM 3, ZEISS Lattice SIM 5, and ZEISS Elyra 7 with Lattice SIM. ZEISS Lattice SIM 3 targets fast optical sectioning of evolving organisms and tissues; ZEISS Lattice SIM 5 focuses on observing the vibrant sub-organelle network of life; and ZEISS Elyra 7 with Lattice SIM is a complete super-resolution system for examining life down to the molecular details. Together, the new ZEISS Lattice SIM Family offers flexibility, speed, and gentle super-resolution to meet the needs of researchers investigating biological processes across scales.