



Sunday, February 16

1:30 PM – 3:00 PM

Room 33A

Carl Zeiss Microscopy LLC

Multiplex Mode for the LSM 9 Series with Airyscan 2: Fast and Gentle Confocal Superresolution in Large Volumes

The LSM 9 family with Airyscan 2 from ZEISS provides more options to enable the perfect balance of speed and resolution for today's confocal-imaging needs. The new Multiplex mode extends sensitive Airyscan imaging to larger model systems with low expression levels by increasing acquisition speeds even further. It extracts more spatial information; hence, multiple lines can be imaged in a single line scan. This allows for larger acquisition steps to improve image acquisition speeds and reduce the illumination dosage to the sample. This novel concept allows rapid volumetric imaging with unprecedented resolution beyond what is available in traditional confocal systems today.

Airyscan 2 provides new data handling concepts, providing 6.6 times smaller data sizes and 5 times faster image reconstruction times. Further, optimized real time acquisition strategies employed with the LSM 9 family enable faster scan speeds for Airyscan 2, allowing higher data throughput.

Join this workshop and learn how the newest members of the ZEISS imaging portfolio, ZEISS LSM 9 series with Airyscan 2 can help you capture dynamic processes in volumes and improve your imaging experiments in completely new ways.

Speaker

Christian Hellriegel, Embedded Specialist, HCBI