

The Technology Seminar Series Presents:

**“AIVIA: Accelerating Microscopy Image
Analysis With AI”**

Kit-Yi Yam, Ph.D.,

Aivia Sales and Application Specialist

Leica Microsystems



Thursday, March 28th, 2024

11:30 am– 12:15 pm

**MEE 243 Charles Street Boston, MA, The Meltzer
Auditorium (3rd Floor)**

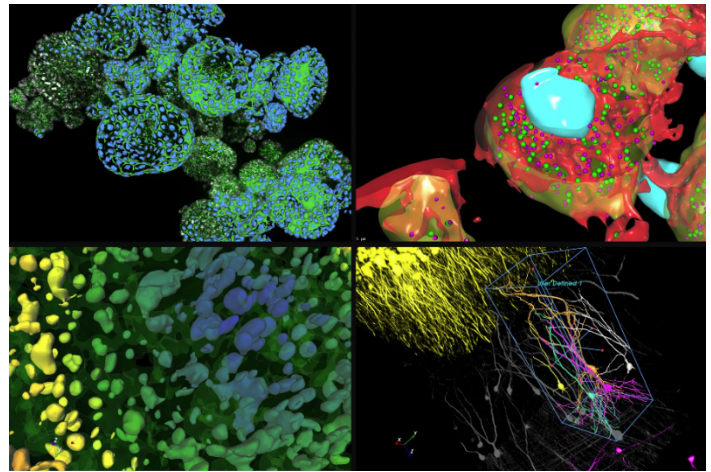
Registration Link: <https://www.leica-microsystems.com/c/am/lsr-w/event-registration/?nlc=20240301-SFDC-020207>

Summary of Dr. Yam's talk:

Subjectivity of analysis and poor reproducibility are key hurdles to be overcome for biological image analysis. Standard segmentation can lead to sub-standard results and require substantial manual curation which is subject to human error. Aivia AI image analysis software is designed to improve accuracy, streamline workflows, and enhance data exploration.

During this talk, you will learn how to:

- Gain deeper insights and understanding of your images
- Leverage machine learning capabilities to generate robust and reproducible segmentation results
- Make AI-enhanced image analysis accessible for all – with no computer science expertise required



About Dr. Yam:

Dr. Yam completed her Ph.D. in Neuroscience from the University of Amsterdam in The Netherlands, with a focus on early-life stress effects on cognition and metabolism. She continued her postdoctoral career at Vanderbilt University and MIT thereafter, during which she leveraged her experiences and skills to advance research in the field of 3D intact tissue clearing and labeling, volumetric light sheet imaging, and image analysis.

As the Aivia Sales and Application Specialist of NE territory, Kit-Yi is dedicated to making researchers and companies successful with their image analysis applications using AI-enabled tools in Aivia.

