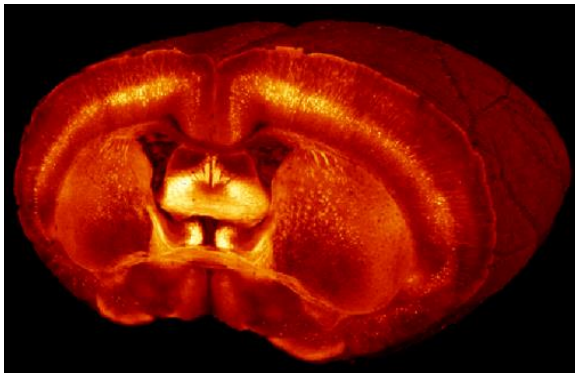
Mass General Brigham
Mass Eye and Ear

Schepens Eye Research Institute

The Technology Seminar Series Presents:

"TissueCyte Volumetric Multiphoton Imaging: High resolution whole organ imaging"

Michelle Ocana
Managing Director
Neurobiology Imaging Facility
Department of Neurobiology
Harvard Medical School



Thursday, October 21st, 2021
12:00 – 1:00 pm
Zoom Meeting/Meltzer Auditorium

https://masseyeandear.zoom.us/j/583662273?pwd=TWJTUEV6ZTFUTzUzaWx5dXFmR2puQT09

Meeting ID: 583 662 273
Passcode: 248969

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Summary of Michelle Ocana's talk:

The Neurobiology Imaging Facility (NIF) is committed to introducing cutting edge technology to the basic science community. Our core is an optical imaging and tissue processing lab occupying the 2nd floor of Goldenson building on the Harvard Medical School Quad. The NIF provides imaging services and equipment that enable researchers to capture images from macro to super resolution. Our tissue processing core includes EM sectioning (arrays), tissue clearing, RNAscope and image analysis. The imaging core includes whole slide scanning, lightsheet imaging and multichannel Stimulated Depletion (STED). The TissueVision TissueCyte Volumetric Imaging System is the newest addition to our core. This automated system captures volumetric datasets of whole organs at high resolution using serial sectioning and multiphoton imaging.

About Michelle Ocana:

Michelle Ocana has been leading the core facility since its inception in 2009. The core has since grown from basic confocal imaging to a core with a full suite of equipment and services for tissue as well as imaging for labs globally. The core's mission is to tackle the time-consuming, costly and technically difficult techniques for researchers while ensuring precision, accuracy and reproducibility.

Website:

https://nif.hms.harvard.edu/