

*The Orbeli Physiology Institute invites you to the  
2023 Advanced Bioimaging Seminar series*

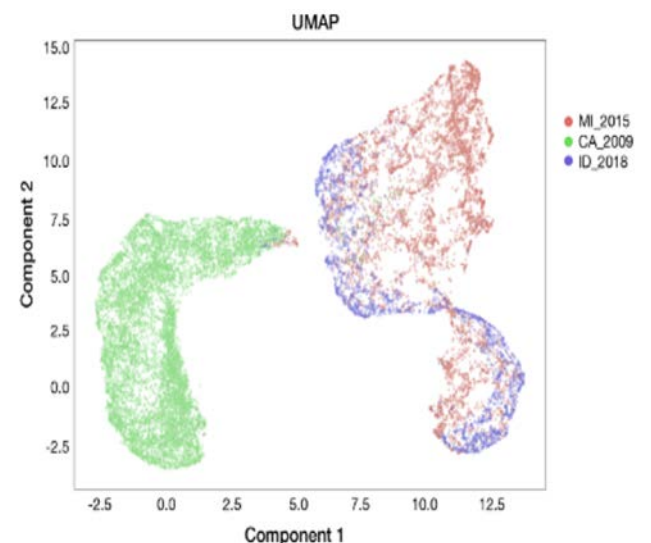
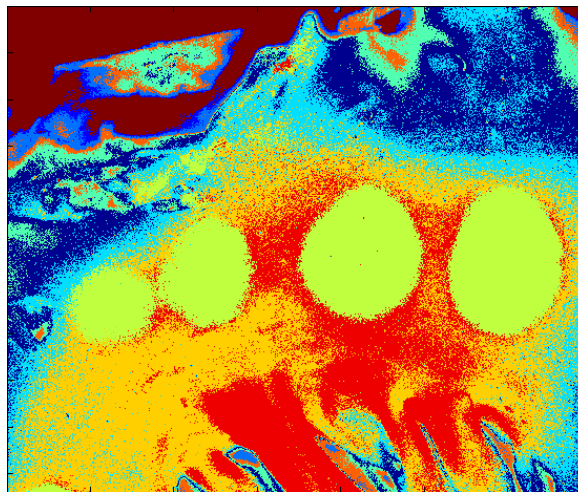
## ***Medical Imaging Meets AI: Prospects and Perils***

**Thursday, June 22, 2023, 5pm**  
Orbeli Physiology Institute Conference room  
Yerevan, 22 Orbeli Brothers street

# ***Murray H. Loew, PhD***

*Professor and Chair*

*Department of Biomedical Engineering  
School of Engineering and Applied Science  
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**Medical imaging is an essential tool in diagnosis and, increasingly, in therapy.** Recent advances in both the acquisition of images and their analyses, using tools from machine learning and artificial intelligence (AI), have already produced earlier detection of disease and better surgical interventions. This seminar reviews those advances and discusses applications in cardiac treatment, detection and staging of prostate, kidney, and breast cancer, and monitoring of therapy. We also discuss the issues concerning the generalizability and explainability of a number of current AI methods and the impact on acceptance by clinicians.

The webinar will be in English, is free and open to the public  
Refreshments will be served