NYC Computational Cryo-EM Summer Workshop

Thursday, August 8, 2019

<u>**Poster Session and Reception**</u> **- Ingrid Daubechies Auditorium (5:15 PM - 7:15 PM)**

time	[id] title	presenter
5:15 PM	[24] Computing and Understanding Statistical Models for Heterogeneous Biological Nano-machines	GONG, Yunye Prof. DOERSCHUK, Peter C.
5:15 PM	[26] Z-contrast enhancement for small protein cryo-EM structure determination	CHEN, James
5:15 PM	[38] Spectral volumes for cryo-EM reconstruction with continuous heterogeneity	HALEVI, Amit Dr MOSCOVICH, Amit
5:15 PM	[28] 3D Alignment based on Regionalized Deep Learning for Cryo-EM Reconstruction	Dr JIMENEZ-MORENO, Amaya
5:15 PM	[29] Non-Uniformity of Projection Distributions Attenuates Resolution in Cryo-EM	Dr BALDWIN, Philip
5:15 PM	[25] Positive-unlabeled convolutional neural networks for particle picking in cryo-electron micrographs	BEPLER, Tristan
5:15 PM	[34] Multi-tapered CTF estimation	HEIMOWITZ, Ayelet
5:15 PM	[30] DeepRes: A New Deep Learning-based Local Resolution Method	Dr RAMÍREZ-APORTELA, Erney
5:15 PM	[36] Manifold embedding analysis of TRPV1	Dr HANSON, Sonya M.
5:15 PM	[37] Reconstructing continuous distributions of 3D protein structure from cryo-EM images	ZHONG, Ellen
5:15 PM	[35] Deep Learning tools for particle picking	Dr MALUENDA, David
5:15 PM	[33] Deep learning and image analysis tools for automated analysis and assessment of cryo-EM datasets	LI, Yilai
5:15 PM	[42] Fast rigid image alignment via factorization of the translation kernel	Prof. RANGAN, Aaditya
5:15 PM	[22] New Methods for Denoising and CTF Correction	LEEB, William
5:15 PM	[32] ManifoldEM – Mapping Continuous Conformations, Energy Landscapes & Functional Pathways	Prof. SCHWANDER, Peter
5:15 PM	[46] Radial function based ab-initio tomographic reconstruction for cryo electron microscopy	Dr BAUDRIER, Étienne
5:15 PM	[47] Cryo-Electron Microscopy Image Analysis Using Multi-Frequency Vector Diffusion Maps	Mrs FAN, Yifeng