

Analyzing Mitochondrial Morphology Through Simulation Supervised Learning

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Citation

Punnakkal, A.R., Godtliebsen, G., Somani, A., Andres Acuna Maldonado, S., Birna Birgisdottir, Å., Prasad, D.K., Horsch, A., Agarwal, K. Analyzing Mitochondrial Morphology Through Simulation Supervised Learning. *J. Vis. Exp.* (193), e64880, doi:10.3791/64880 (2023).

Date Published

March 3, 2023

DOI

10.3791/64880

URL

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Materials

Name	Company	Catalog Number	Comments
12-well plate	FALCON	353043	
Aqueous Glutaraldehyde EM Grade 25%	Electron Microscopy Sciences	16200	
Axio Vert.A1	Zeiss		Brightfield microscope
CCCP	Sigma-Aldrich	C2759	
Computer	n/a	n/a	Must be running Linux/Windows Operating System having an NVIDIA GPU with at least 4GB of memory
Coverslips	VWR	631-0150	
DAPI (stain)	Sigma-Aldrich	D9542	
DMEM	gibco	11966-025	
Fetal Bovine Serum	Sigma-Aldrich	F7524	
Glass Slides (frosted edge)	epredia	AA00000112E01MNZ10	
H9c2 mCherry-EGFP-OMP25			In-house stable cell line derived from purchased cell line
Incubator	Thermo Fisher Scientific	51033557	
LSM 800	Zeiss		Confocal Microscope
Mounting Media (Glass)	Thermo Fisher Scientific	P36980	
Paraformaldehyde Solution, 4% in PBS	Thermo Fisher Scientific	J19943-K2	
Plan-Apochromat 63x oil (M27) objective with an NA of 1.4	Zeiss	420782-9900-000	
Sterile laminar flow hood	Labogene		SCANLAF MARS
Trypsin	Sigma-Aldrich	T4049	
Vacunsafe aspiration system	VACUUBRAND	20727400	
ZEN 2.6	Zeiss		