

Cell Centered Database

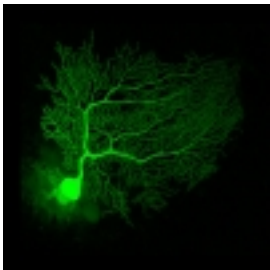
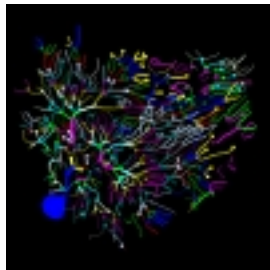
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Microscopy Product #:3 e1cb4a5

For the most updated information, please visit

<http://ccdb.ucsd.edu/CCDBWebSite/main?event=displaySum&mpid=3>

Image2D	Reconstruction	Segmentation
		

Project Information:

PROJECT_ID	P1170
PROJECT_NAME	Mouse BIRN test data
PROJECT_DESCRIPTION	NeuroLucida tracing of filled Purkinje neurons
LEADER	Maryann Martone
FUNDING_AGENCY	NIH
PROJECT_START_DATE	2002-03-01 00:00:00.0
PROJECT_END_DATE	
COLLABORATORS	Diana Price , Andrea Thor , Masako Terada, Hiro Hakoziaki
PUBLICATION1	
PUBLICATION2	
PUBLICATION3	

Experiment Information -	
PURPOSE	to obtain multi resolution data for Mouse BIRN
TITLE	Intracellular injection of Purkinje neuron
EXPERIMENTER	Andrea Thor & Diana Price
EXPERIMENT_NAME	
EXPERIMENT_DATE	

Subject Information -	
GROUP_BY	
SUBJECT_NAME	
FIXATION_METHOD_ID	
SCIENTIFIC_NAME	mus musculus
SPECIES	mouse
STRAIN	C57BL/6
AGE	2 months
AGECLASS	adult
ANIMAL_NAME	
LITTER_ID	
SEX	male
VENDOR	
WEIGHT	23.6 grams

Tissue -	
ANATOMIC_LOCATION	cerebellum
MICROTOME	vibratome
ORIENTATION	sagittal
THICKNESS	100 um
TISSUE_PROD_STORAGE	
EXTERNAL_FILE_NAME	
TISSUE_GROUP_TYPE	

Microscopy Product Information -	
MICROSCOPY_PRODUCT_ID	3
IMAGE_BASENAME	e1cb4a5
CREATE_DATE	2002-04-04 00:00:00.0
INSTRUMENT	Biorad Radiance 2000 Confocal
MICROSCOPE_TYPE	confocal
PLANE_COUNT	1
PRODUCT_TYPE	optical section series
PURL	NA
SESSION_NAME	
TELESCIENCE_SRB	P1170/Experiment_3/Subject_3/Tissue_3/Microscopy_3
X_RESOLUTION	.12 um/pixel
Y_RESOLUTION	.12 um/pixel
XSIZE	1024
YSIZE	1024

Protocol:

N/A

Specimen Preparation Information:

Specimen Description -	
ANATOMICAL_DETAIL	3
ATLAS	Paxinos and Watson
ATLAS_COORD	.36, -7.25, -2.25
CELL_TYPE	Purkinje neuron
MAP_LOCATION	e1cb4a5/e1cb4a5_atlas.jpg
ORGAN	brain
REGION	cerebellum
STRUCTURE	dendritic tree
SYSTEM	central nervous system

Imaging Parameters:

Image Type -	
OPTICAL_SECTION_SERIES	3
OPTICAL_Z_RESOLUTION	.5 um

Light Microscopy Product -	
LMPRODUCT_ID	3
COVER_SLIP_THICKNESS	1 um
IMMERSION_MEDIUM	oil
LENS_MAGNIFICATION	60 X
MOUNTING_MEDIUM	gelvatol
NUMERICAL_APERTURE	1.4

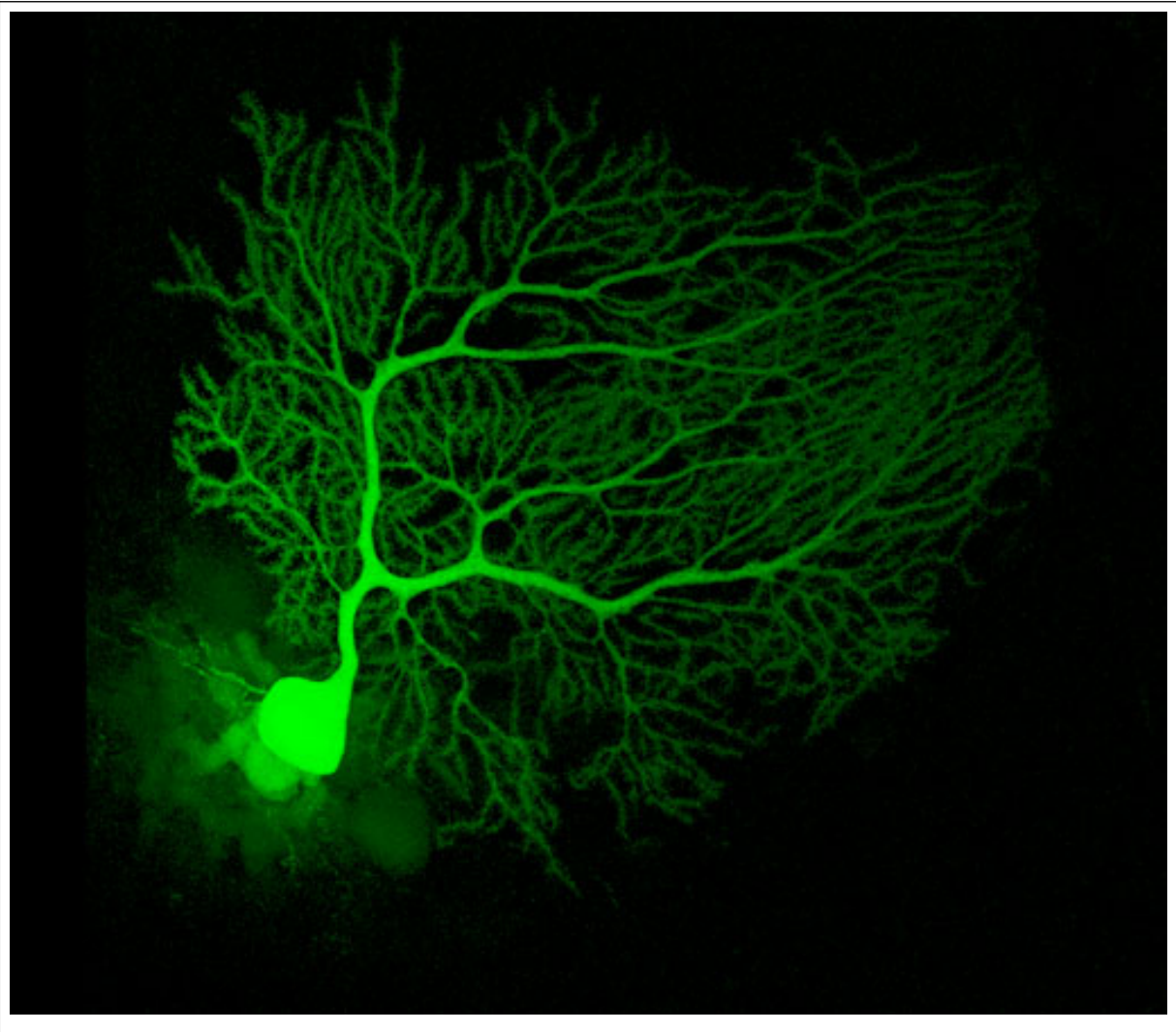
Raw 2D Image

Raw Low Resolution 2D Image -

N/A

Reconstruction

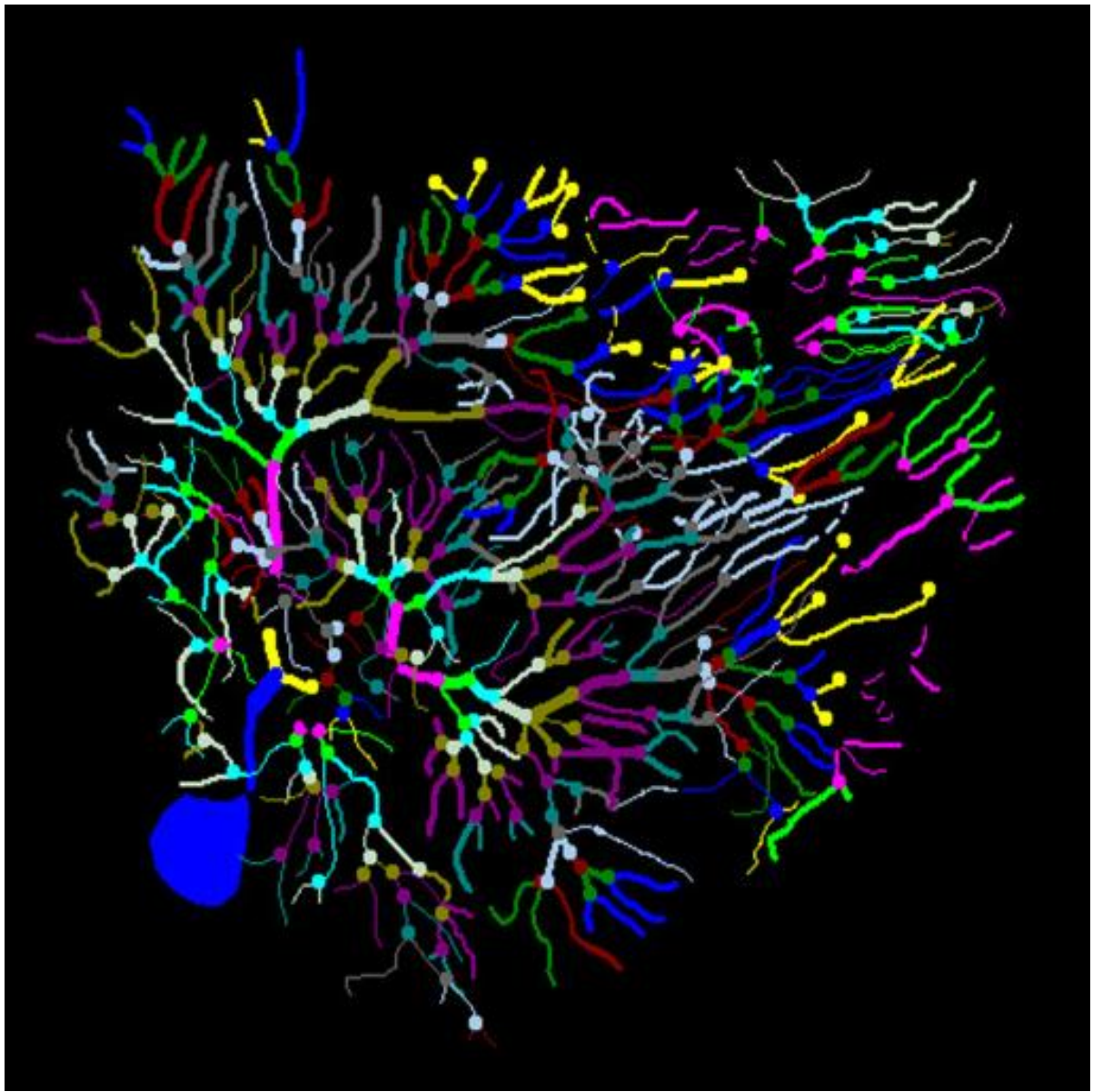
Reconstruction Image -



Reconstruction -	
RECONSTRUCTION3D_ID	3
CROPPING_COORDINATE1	,
CROPPING_COORDINATE2	,
DECONVO_PROGRAM	no
RECON_DATE	2002-04-04 00:00:00.0
RECON_TYPE	optical section series/mosaic
THUMBNAIL	P1170/e1cb4a5_vt.jpg
VOLUME_DIMENSION	1024, 1024, 50
VOLUME_NAME	e1cb4a5/e1cb4a5.pic
VOXEL_SCALE	.12, .12, .25
RECONSTRUCTION_IMAGES_ID	3
RECON_IMAGE_DESC	Purkinje neuron from mouse cerebellum injected with Lucifer Yellow and imaged using confocal microscopy
RECON_FILE_NAME	e1cb4a5/E1CB4A5_MIP.jpg
VOLUME_THUMBNAIL	P1170/e1cb4a5_vt.jpg
ANIMATION_FILE	e1cb4a5/e1cb4a5_movie.avi
ANIMATION_DESC	Rotation loop of a maximum intensity projection of a Purkinje neuron injected with Lucifer Yellow, rotated along the y axis

Segmentation

Segmentation Image -



Segmentation -

SEGMENTED_OBJECT_ID	3
ANALYZE_DESC	neurolucida
ANALYZE_DESC	neurolucida
IS_MANUAL	y
LABELING_RANK	none
OBJECT_DESC	traced tree
OBJECT_TYPE	tree
SEGMENTED_OBJ_2D_IMAGE	e1cb4a5/e1cb4a5_neuro2D.jpg
SEGMENT_PERSON_NAME	Diana Price
SEG_FILE_NAME	e1cb4a5/e1cb4a5f.asc
THUMBNAIL	P1170/e1cb4a5_st.jpg

USER AGREEMENT

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USER NOTIFICATION

For large size image data, it will take several minutes to download, please be patient. Thanks!

ACKNOWLEDGEMENT

Data used from the CCDB should be appropriately referenced, including both the author of the data and the CCDB. If the data were from a published study, the reference is included in the database record. The following reference should be cited for the CCDB:

Martone, M. E., Gupta, A., Wong, M., Qian, X., Sosinsky, G., Ludaescher, B., and Ellisman, M. H. A cell centered database for electron tomographic data. *J. Struct. Biology* 138: 145-155, 2002.

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Maryann Martone