

Cell Centered Database

University of California, San Diego

Maryann Martone

Microscopy Product #:5 e17hpc1a

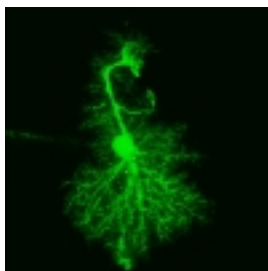
For the most updated information, please visit

<http://ccdb.ucsd.edu/CCDBWebSite/main?event=displaySum&mpid=5>

Image2D

Reconstruction

Segmentation



Project Information:

PROJECT_ID	P1123
PROJECT_NAME	CCDB rat test data
PROJECT_DESCRIPTION	Confocal images
LEADER	Maryann Martone
FUNDING_AGENCY	NIH
PROJECT_START_DATE	2001-10-23 00:00:00.0
PROJECT_END_DATE	
COLLABORATORS	Diana Price and Diana Price
PUBLICATION1	
PUBLICATION2	
PUBLICATION3	

Experiment Information -	
PURPOSE	to obtain multi resolution data for CCDB
TITLE	Intracellular injection of hippocampal astrocyte
EXPERIMENTER	Diana Price & Andrea Thor
EXPERIMENT_NAME	
EXPERIMENT_DATE	2002-02-27 00:00:00.0

Subject Information -	
GROUP_BY	
SUBJECT_NAME	control
FIXATION_METHOD_ID	
SCIENTIFIC_NAME	rattus norvegicus
SPECIES	rat
STRAIN	Sprague Dawley
AGE	1 months
AGECLASS	adult
ANIMAL_NAME	
LITTER_ID	
SEX	male
VENDOR	
WEIGHT	150 grams

Tissue -	
ANATOMIC_LOCATION	hippocampus
MICROTOME	vibratome
ORIENTATION	coronal
THICKNESS	100 um
TISSUE_PROD_STORAGE	
EXTERNAL_FILE_NAME	
TISSUE_GROUP_TYPE	

Microscopy Product Information -	
MICROSCOPY_PRODUCT_ID	5
IMAGE_BASENAME	e17hpc1a
CREATE_DATE	2002-03-13 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	P1123/Experiment_4/Subject_4/Tissue_4/Microscopy_5
X_RESOLUTION	.07 um
Y_RESOLUTION	.07 um
XSIZE	1024
YSIZE	1024

Protocol:

N/A

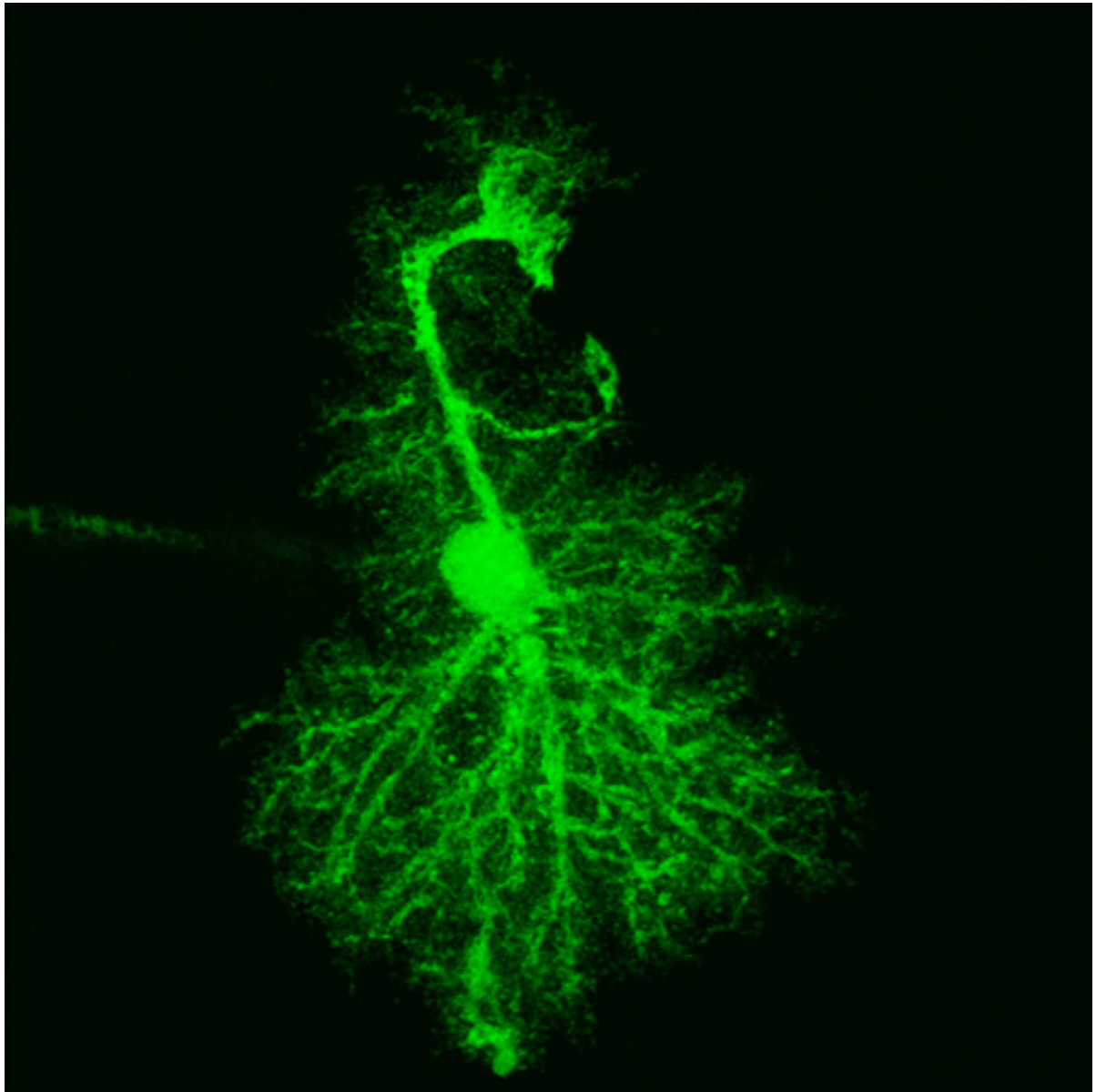
Image Type -	
OPTICAL_SECTION_SERIES	5
OPTICAL_Z_RESOLUTION	.3 um

Specimen Description -	
ANATOMICAL_DETAIL	5
ATLAS	Paxinos and Watson
ATLAS_COORD	1.5, -3.6, -2.9
CELL_TYPE	protoplasmic astrocyte
MAP_LOCATION	e17hpc1a/e17hpc1a_atlas.jpg
ORGAN	brain
REGION	hippocampus
SYSTEM	central nervous system

Light Microscopy Product -	
LMPRODUCT_ID	5
COVER_SLIP_THICKNESS	1 um
IMMERSION_MEDIUM	oil
LENS_MAGNIFICATION	60 X
MOUNTING_MEDIUM	gelvatol
NUMERICAL_APERTURE	1.4

Reconstruction

Reconstruction Image -



Reconstruction -	
RECONSTRUCTION3D_ID	5
CROPPING_COORDINATE1	,
CROPPING_COORDINATE2	,
DECONVO_PROGRAM	no
RECON_DATE	2002-03-13 00:00:00.0
RECON_TYPE	optical section series/mosaic
THUMBNAIL	P1123/e17hpc1a_vt.jpg
VOLUME_DIMENSION	1024, 1024, 58
VOLUME_NAME	e17hpc1a/e17hpc1a.pic
VOXEL_SCALE	.07, .07, .3
RECONSTRUCTION_IMAGES_ID	5
RECON_IMAGE_DESC	Protoplasmic astrocyte from rat hippocampal area CA1 injected with Alexa 488
RECON_FILE_NAME	e17hpc1a/E17HPC1A_MIP.jpg
VOLUME_THUMBNAIL	P1123/e17hpc1a_vt.jpg
ANIMATION_FILE	e17hpc1a/E17HPC1a_movie.avi
ANIMATION_DESC	Rotation loop of a maximum intensity projection of a filled astroctye in hippocampal area CA1

USER AGREEMENT

Data Sharing and Citation Policy: The mission of the CCDB is to promote data sharing among scientists interested in cellular and subcellular anatomy and in developing computer algorithms for 3D reconstruction and modeling of such data. Data sets may be viewed or shared at the discretion of the author of the data. In some cases, the data may be freely viewed and downloaded without contacting the original author while in other cases, permission of the author may have to be obtained prior to downloading the data. In either case, failure to cite or give proper credit to the original authors who collected these data in subsequent published articles or presentations is a material breach of this User Agreement. CCDB requires all researchers re-analyzing these published data via the CCDB access to reference the original published article and the CCDB. An example of an appropriate acknowledgement is provided on the CCDB web site. CCDB is not in a position to police every intended use of these data. The scientific community will self-police the compliance of this contractual obligation.

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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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