

Table 1. Settings for image acquisition of rat brain slices. All the images were acquired using a widefield microscope.

Brain region	Fluorescence marker	Objective	Laser Exposure time (ms)	Z stack (voxel size Z)	Resolution
Striatum	TH	HC PL FLUOTAR 10x/0.25 Ph1	Alexa Fluor 594 1402.617 ms	No stack	XY: 1.342 μ m Z: 8.800 μ m Voxel size XY: 0.001 mm
	DAT	HC PL FLUOTAR 10x/0.25 Ph1	Alexa Fluor 594 1402.617 ms		
	Vmat2	HC PL FLUOTAR 10x/0.25 Ph1	Alexa Fluor 488 269.806 ms		
Substantia nigra	TH	HCX PL FLUOTAR L 20x/0.40 CORR Ph1	Alexa Fluor 594 92.501 ms	1 μ m	XY: 0.839 μ m Z: 3.437 μ m Voxel size XY: 0.001 mm Numeric aperture: 0.4
Hippocampus	TH	HCX PL FL L 40x/0.60 CORR Ph2	Alexa Fluor 594 299.934 ms	1.5 μ m	XY: 0.559 μ m Z: 1.528 μ m Voxel size XY: 0.325 mm Numeric aperture: 0.6
	DCX	HCX PL FL L 40x/0.60 CORR Ph2	Alexa Fluor 488 375.117 ms	1.5 μ m	
	Ki67	HCX PL FL L 40x/0.60 CORR Ph2	Alexa Fluor 488 375.117 ms	1.5 μ m	
Subventricular zone	DCX	HCX PL FL L 40x/0.60 CORR Ph2	Alexa Fluor 488 760.351ms	1 μ m	
	Ki67	HCX PL FL L 40x/0.60 CORR Ph2	Alexa Fluor 488 760.351 ms	1 μ m	

Olfactory bulbs	TH	HCX PL FLUOTAR L 20x/0.40 CORR Ph1	Alexa Fluor 594 70.034 ms	1 μm	XY: 0.839 μm Z: 3.437 μm Voxel size XY: 0.650 mm Numeric aperture: 0.4
	DCX	HCX PL FLUOTAR L 20x/0.40 CORR Ph1	Alexa Fluor 488 209.025 ms	1 μm	
DAPI - Excitation: 340-380; BS: 400; Emission: LP 425 LP					
Secondary antibody 488 - Excitation: 460/40; BS: 505; Emission: 527/30					
Secondary antibody 594 - Excitation: 560/40; BS: 595; Emission: 645/75					