

Resource Summary Report

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Light microscopic analysis of synaptic input to neurons in the rat major pelvic ganglion [keast-003]

DOI:10.17504/protocols.io.bakiicue

Type: Protocol

Proper Citation

Janet Keast, Peregrine Osborne 2020. Light microscopic analysis of synaptic input to neurons in the rat major pelvic ganglion [keast-003]. protocols.io
dx.doi.org/10.17504/protocols.io.bakiicue

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.bakiicue>

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Group: SPARC

Summary: This collection describes the procedures required to visualise and characterize synaptic boutons associated with functionally classified pelvic ganglion autonomic neurons of adult male and female Sprague-Dawley rats. This collection includes protocols for: STAGE 1: Surgery to micro-inject fluorescent retrograde tracer dyes into one or more sites within the lower urinary tract STAGE 2: Intracardiac perfusion with fixative to preserve neural tissues of interest STAGE 3: Immunohistochemical labeling of thick cryosections of pelvic ganglia STAGE 4: Confocal microscopy and image analysis of synaptic boutons associated with ganglion neurons.

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Version: 1

Publication Date: 2020

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dx.doi.org/10.17504/protocols.io.bakiicue

Record Creation Time: 20210329T220454+0000

Record Last Update: 20210329T221346+0000

Data and Source Information

Source: