OCT 30, 2023

DOI:
dx.doi.org/10.17504/protocols.io.dm6gp336jvzp/v1

Collection Citation: Beatriz E Nielsen, Christopher P Ford 2023. Nielsen and Ford (2023) M4-mediated cholinergic transmission is reduced in parkinsonian mice and its restoration alleviates motor deficits and levodopa-induced dyskinesia. **protocols.io** https://dx.doi.org/10.17504/protocols.io.dm6gp336jvzp/v1

Protocol status: Working
We use this collection and it's working

Nielsen and Ford (2023) M4-mediated cholinergic transmission is reduced in parkinsonian mice and its restoration alleviates motor deficits and levodopa-induced dyskinesia

Beatriz E Nielsen[1], Christopher P Ford[1]

[1]University of Colorado Anschutz Medical Campus

Beatriz E Nielsen
University of Colorado Anschutz Medical Campus

ABSTRACT

This collection contains protocols detailing methods used in Nielsen and Ford (2023) M4-mediated cholinergic transmission is reduced in parkinsonian mice and its restoration alleviates motor deficits and levodopa-induced dyskinesia

Created: Aug 23, 2023

Last Modified: Oct 30, 2023

COLLECTION integer ID:
86837

Keywords: ASAPCRN

Funders Acknowledgement:
NIH
Grant ID: R01-NS95809
NIH
Grant ID: R01-DA35821
Aligning Science Across Parkinson's
Grant ID: ASAP-020529
Parkinson's Foundation
Grant ID: PF-PRF-839073

FILES

Protocol

NAME
Stereotaxic Surgery

VERSION 1

CREATED BY
Beatriz E Nielsen University of Colorado Anschutz Medical Campus

OPEN →

Protocol

NAME
Levodopa-induced dyskinesia mouse model

VERSION 1

CREATED BY
Beatriz E Nielsen University of Colorado Anschutz Medical Campus

OPEN →

Protocol

NAME
Acute Brain Slices

VERSION 1

CREATED BY

kelsey.barcomb

OPEN →

Protocol

NAME

Motor behavioral assessment

VERSION 1

CREATED BY

Beatriz E NielsenUniversity of Colorado Anschutz Medical Campus

OPEN →

Protocol

NAME

6-OHDA mouse model of Parkinson's disease

VERSION 1

CREATED BY

Beatriz E NielsenUniversity of Colorado Anschutz Medical Campus

OPEN →

Protocol

NAME

Optical sensors 2-photon imaging

VERSION 1

CREATED BY

Beatriz E NielsenUniversity of Colorado Anschutz Medical Campus

OPEN →

Protocol

NAME

Western Blot

VERSION 1

CREATED BY

Beatriz E NielsenUniversity of Colorado Anschutz Medical Campus

OPEN →

Protocol

NAME

Ex vivo electrophysiology

VERSION 1

CREATED BY

Beatriz E Nielsen University of Colorado Anschutz Medical Campus

OPEN →

Protocol

NAME

Immunohistochemistry

VERSION 1

CREATED BY

kelsey.barcomb

OPEN →