Resource Summary Report

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Laboratory of Molecular Neuroscience, University of Oslo

RRID:SCR_008097
Type: Tool

Proper Citation

Laboratory of Molecular Neuroscience, University of Oslo (RRID:SCR_008097)

Resource Information

URL: http://www.cmbn.no/ottersen/

Proper Citation: Laboratory of Molecular Neuroscience, University of Oslo (RRID:SCR_008097)

Description: A laboratory that investigates the molecular mechanisms involved in the development of acute and chronic neurodegenerative disease, with a focus on the role of glutamate excitotoxicity. It aims at unraveling the molecular basis for cell death and edema development in stroke, and explores the pathophysiology of Alzheimer's disease and temporal lobe epilepsy. The main objective of the LMN is to advance understanding of the role of glutamate, as a transmitter substance in the normal brain and as a mediator of excitotoxicity in pathological conditions such as stroke. To this end the LMN employs several vital and nonvital imaging techniques. Model systems includes organotypic slice cultures and transgenic animals. An important focus of the LMN is to explore the role of DNA damage and repair in the pathogenesis of neurodegenerative disease. LMN is also engaged in research on molecular mechanism underlying brain edema, epilepsy, and Alzheimer's disease.

Abbreviations: UiO LMN

Synonyms: University of Oslo LMN

Resource Type: topical portal, data or information resource, portal

Keywords: epilepsy, excitotoxicity, acute, alzheimer's disease, brain, brain edema, cell death, chronic, damage, dna, glutamate, imaging, model systems, molecular, molecular mechanism, neurodegenerative disease, neuroprotective, neuroscience, repair, stroke, transmitter

Resource Name: Laboratory of Molecular Neuroscience, University of Oslo

Resource ID: SCR_008097

Alternate IDs: nif-0000-11675

Record Creation Time: 20220129T080245+0000

Record Last Update: 20260804T043354+0000

Ratings and Alerts

No rating or validation information has been found for Laboratory of Molecular Neuroscience, University of Oslo.

No alerts have been found for Laboratory of Molecular Neuroscience, University of Oslo.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at ASWG .

Ballot A, et al. (2016) Variability in the sxt Gene Clusters of PSP Toxin Producing Aphanizomenon gracile Strains from Norway, Spain, Germany and North America. PloS one, 11(12), e0167552.