

Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 2026

Erasmus MC Department of Neuroscience

RRID:SCR_002737

Type: Tool

Proper Citation

Erasmus MC Department of Neuroscience (RRID:SCR_002737)

Resource Information

URL: <http://www.neuro.nl>

Proper Citation: Erasmus MC Department of Neuroscience (RRID:SCR_002737)

Description: The department of Neuroscience was founded in 2001, resulting from a merger between the Physiology and Anatomy department. In 2008, the BNT department joined forces. At present we consist of about 150 people. Our research is dedicated to Plasticity and Dynamics of Sensori-Motor Systems, which we investigate at the physiological, anatomical and molecular level in 18 different research groups. We have teaching responsibilities within the whole bachelor's phase of the medical curriculum at the Erasmus MC, teaching both basic anatomy and physiology, as well as neuroscience. The department hosts its own Master of Neuroscience program. The department of Neuroscience is embedded in the ONWAR, Helmholtz, and MGC research school

Synonyms: Neuroscience

Resource Type: university

Keywords: anatomical, anatomy, department, molecular, neuroscience, physiology

Availability: Free

Resource Name: Erasmus MC Department of Neuroscience

Resource ID: SCR_002737

Alternate IDs: nif-0000-24051

Record Creation Time: 20220129T080215+0000

Record Last Update: 20260725T190529+0000

Ratings and Alerts

No rating or validation information has been found for Erasmus MC Department of Neuroscience.

No alerts have been found for Erasmus MC Department of Neuroscience.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1055 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Zeng Q, et al. (2025) The effects of a 12-week moderate-intensity continuous training intervention on depression, anxiety, and stress in sedentary female college students: a focus on negative emotion regulation. *Frontiers in psychology*, 16, 1507198.

Kilgore JA, et al. (2025) Biologically-informed excitatory and inhibitory ratio for robust spiking neural network training. *Scientific reports*, 15(1), 24798.

Ding Y, et al. (2024) Using ERPs to unveil the authenticity evaluation and neural response to online rumors. *Scientific reports*, 14(1), 31274.

Maier MJ, et al. (2024) Stakeholder perspectives on non-invasive brain stimulation. *Scientific reports*, 14(1), 28592.

Saga Y, et al. (2024) A descriptive analysis of spontaneous reports of antipsychotic-induced tardive dyskinesia and other extrapyramidal symptoms in the Japanese Adverse Drug Event Report database. *Neuropsychopharmacology reports*, 44(1), 221.

Navas-Olive A, et al. (2024) A machine learning toolbox for the analysis of sharp-wave ripples reveals common waveform features across species. *Communications biology*, 7(1), 211.

Decet M, et al. (2024) A candidate loss-of-function variant in SGIP1 causes synaptic dysfunction and recessive parkinsonism. *Cell reports. Medicine*, 5(10), 101749.

Briski KP, et al. (2023) Sex-Dimorphic Octadecaneuropeptide (ODN) Regulation of Ventromedial Hypothalamic Nucleus Glucoregulatory Neuron Function and Counterregulatory Hormone Secretion. *ASN neuro*, 15, 17590914231167230.

Kato K, et al. (2023) Oligodendrocyte Cell Line OLP6 Successfully Differentiates on Decellularized Brain Tissue. *Juntendo Iji zasshi = Juntendo medical journal*, 69(4), 300.

Navas-Olive A, et al. (2023) A machine learning toolbox for the analysis of sharp-wave ripples reveal common features across species. *bioRxiv : the preprint server for biology*.

Beekhof GC, et al. (2021) Differential spatiotemporal development of Purkinje cell populations and cerebellum-dependent sensorimotor behaviors. *eLife*, 10.

Gómez DM, et al. (2021) Children's and adults' eye movements and the extraction of number information from ambiguous and unambiguous markings. *Cognition*, 213, 104700.

Zhang L, et al. (2021) Behavioral role of PACAP signaling reflects its selective distribution in glutamatergic and GABAergic neuronal subpopulations. *eLife*, 10.

Cid-Castro C, et al. (2021) Differential ROS-Mediated Phosphorylation of Drp1 in Mitochondrial Fragmentation Induced by Distinct Cell Death Conditions in Cerebellar Granule Neurons. *Oxidative medicine and cellular longevity*, 2021, 8832863.

Naidu RK, et al. (2021) Interventional Spine and Pain Procedure Credentialing: Guidelines from the American Society of Pain & Neuroscience. *Journal of pain research*, 14, 2777.

Hramov AE, et al. (2020) Functional Near-Infrared Spectroscopy for the Classification of Motor-Related Brain Activity on the Sensor-Level. *Sensors (Basel, Switzerland)*, 20(8).

Uddin MM, et al. (2020) Sex-dimorphic neuroestradiol regulation of ventromedial hypothalamic nucleus glucoregulatory transmitter and glycogen metabolism enzyme protein expression in the rat. *BMC neuroscience*, 21(1), 51.

Khatun A, et al. (2020) University College London/University of Gothenburg PhD course "Biomarkers in neurodegenerative diseases" 2019-course organisation. *Alzheimer's research & therapy*, 12(1), 18.

Benítez-Rangel E, et al. (2020) Caspase-3 Activation Correlates With the Initial Mitochondrial Membrane Depolarization in Neonatal Cerebellar Granule Neurons. *Frontiers in cell and developmental biology*, 8, 544.

Gaffield MA, et al. (2019) Conversion of Graded Presynaptic Climbing Fiber Activity into Graded Postsynaptic Ca²⁺ Signals by Purkinje Cell Dendrites. *Neuron*, 102(4), 762.