Resource Summary Report

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The NINDS Human Cell and Data Repository (NHCDR)

RRID:SCR_016319
Type: Tool

Proper Citation

The NINDS Human Cell and Data Repository (NHCDR) (RRID:SCR_016319)

Resource Information

URL: https://stemcells.nindsgenetics.org/

Proper Citation: The NINDS Human Cell and Data Repository (NHCDR) (RRID:SCR_016319)

Description: Cell sources currently include fibroblasts and/or induced pluripotent stem cells for Alzheimer's Disease, Amyotrophic Lateral Sclerosis (ALS), Ataxia-telangiectasia, Frontotemporal Lobar Degeneration (FTD), Huntington's Disease, Parkinson's Disease, and healthy controls. Cell sources, including isogenic cell lines for current and new diseases covered by the NINDS will be added over the next several years.

Abbreviations: NHCDR

Synonyms: NINDS Human Cell and Data Repository (NHCDR)

Resource Type: biomaterial supply resource, material resource, tissue bank

Keywords: Stem, cell, fibroblast, plutipotent, isogenic

Related Condition: Alzheimer's Disease, Amyotrophic Lateral Sclerosis (ALS), Ataxia-telangiectasia, Frontotemporal Lobar Degeneration (FTD), Huntington's Disease, Parkinson's Disease

Funding: NINDS ;
NLM

Availability: Restricted

Resource Name: The NINDS Human Cell and Data Repository (NHCDR)

Resource ID: SCR_016319

Alternate URLs: https://nindsgenetics.org/

Record Creation Time: 20220129T080330+0000

Record Last Update: 20260905T133213+0000

Ratings and Alerts

No rating or validation information has been found for The NINDS Human Cell and Data Repository (NHCDR).

No alerts have been found for The NINDS Human Cell and Data Repository (NHCDR).

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Carrell ST, et al. (2026) Co-Opting MBNL-Dependent Alternative Splicing Cassette Exons to Control Gene Therapy in Myotonic Dystrophy. Annals of neurology, 99(1), 211.

Drwesh L, et al. (2025) Methodological validation of Miro1 retention as a candidate Parkinson's disease biomarker. NPJ Parkinson's disease, 11(1), 270.

Infante-Tadeo S, et al. (2025) Patient-derived induced pluripotent stem cells with a C9orf72 expansion as a model to study frontotemporal dementia pathologies. Molecular biology of the cell, 36(12), ar145.

Baninameh Z, et al. (2025) Development and validation of a sensitive sandwich ELISA against human PINK1. Autophagy, 21(5), 1144.

Jiang Q, et al. (2025) Robust differentiation of NK cells from MSLN.CAR-IL-15-engineered human iPSCs with enhanced antitumor efficacy against solid tumors. Science advances, 11(18), eadt9932.

Kim KH, et al. (2024) Posttranscriptional regulation of FAN1 by miR-124-3p at rs3512 underlies onset-delaying genetic modification in Huntington's disease. Proceedings of the National Academy of Sciences of the United States of America, 121(16), e2322924121.

Sun Z, et al. (2024) Neuronal-type-specific epigenome editing to decrease SNCA expression: Implications for precision medicine in synucleinopathies. Molecular therapy. Nucleic acids, 35(1), 102084.

Douvaras P, et al. (2024) Ready-to-use iPSC-derived microglia progenitors for the treatment of CNS disease in mouse models of neuropathic mucopolysaccharidoses.

Nature communications, 15(1), 8132.

DiFiglia M, et al. (2024) Towards Standardizing Nomenclature in Huntington's Disease Research. Journal of Huntington's disease, 13(2), 119.

Yu SF, et al. (2024) Protein Assembly Modulation: A New Approach to Amyotrophic Lateral Sclerosis (ALS) Therapeutics. Journal of experimental neurology, 5(4), 210.

Bharat V, et al. (2023) A mitochondrial inside-out iron-calcium signal reveals drug targets for Parkinson's disease. Cell reports, 42(12), 113544.

Cecerska-Hery? E, et al. (2023) The Use of Stem Cells as a Potential Treatment Method for Selected Neurodegenerative Diseases: Review. Cellular and molecular neurobiology, 43(6), 2643.

Tamiz AP, et al. (2022) A focus on the neural exposome. Neuron, 110(8), 1286.

Kühn R, et al. (2021) Human Induced Pluripotent Stem Cell Models of Frontotemporal Dementia With Tau Pathology. Frontiers in cell and developmental biology, 9, 766773.

Knock E, et al. (2021) Building on a Solid Foundation: Adding Relevance and Reproducibility to Neurological Modeling Using Human Pluripotent Stem Cells. Frontiers in cellular neuroscience, 15, 767457.

, et al. (2021) An integrated multi-omic analysis of iPSC-derived motor neurons from C9ORF72 ALS patients. iScience, 24(11), 103221.

Patel A, et al. (2020) Establishment and characterization of two iPSC lines derived from healthy controls. Stem cell research, 47, 101926.

Schwartzentruber A, et al. (2020) Oxidative switch drives mitophagy defects in dopaminergic parkin mutant patient neurons. Scientific reports, 10(1), 15485.

Ng SS, et al. (2018) Human iPS derived progenitors bioengineered into liver organoids using an inverted colloidal crystal poly (ethylene glycol) scaffold. Biomaterials, 182, 299.

Wiatr K, et al. (2018) Huntington Disease as a Neurodevelopmental Disorder and Early Signs of the Disease in Stem Cells. Molecular neurobiology, 55(4), 3351.