Resource Summary Report

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WiCell Research Institute

RRID:SCR_004364
Type: Tool

Proper Citation

WiCell Research Institute (RRID:SCR_004364)

Resource Information

URL: http://www.wicell.org/

Proper Citation: WiCell Research Institute (RRID:SCR_004364)

Description: A nonprofit organization offering research and clinical grade pluripotent stem cell lines, cytogenetic testing, quality control testing and cell banking services to researchers worldwide. The organization is focused on enhancing and expanding the study of human pluripotent stem cells by supporting basic research; establishing research protocols; creating and distributing cell lines; providing training to scientists worldwide; and supporting efforts to unlock the therapeutic potential of stem cell technologies. As home to the Wisconsin International Stem Cell (WISC) Bank, and previously the first US National Stem Cell Bank, WiCell serves the worldwide scientific stem cell community through banking, characterization, and distribution of stem cell lines as well as providing technical support. WiCell also offers cytogenetic services, quality control testing services and clinical grade cell lines to researchers across the globe.

Abbreviations: WiCell

Resource Type: institution

Keywords: stem cell, cell line, iinduced pluripotent stem cell

Funding:

Resource Name: WiCell Research Institute

Resource ID: SCR_004364

Alternate IDs: ISNI: 0000 0004 0387 4731, Wikidata: Q7997962, grid.439113.d, nlx_38454

Alternate URLs: https://ror.org/032ycrz75

Record Creation Time: 20220129T080224+0000

Record Last Update: 20250420T014218+0000

Ratings and Alerts

No rating or validation information has been found for WiCell Research Institute.

No alerts have been found for WiCell Research Institute.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 282 mentions in open access literature.

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

Mo S, et al. (2025) Protocol for differentiating hematopoietic progenitor cells from human pluripotent stem cells in chemically defined monolayer culture. STAR protocols, 6(1), 103545.

Busquets O, et al. (2024) iSCORE-PD: an isogenic stem cell collection to research Parkinson's Disease. bioRxiv : the preprint server for biology.

Arthur TD, et al. (2024) Complex regulatory networks influence pluripotent cell state transitions in human iPSCs. Nature communications, 15(1), 1664.

Qu K, et al. (2024) SPI1-KLF1/LYL1 axis regulates lineage commitment during endothelial-to-hematopoietic transition from human pluripotent stem cells. iScience, 27(8), 110409.

Dana?íková Š, et al. (2024) In vitro human cell culture models in a bench-to-bedside approach to epilepsy. Epilepsia open, 9(3), 865.

Brenes AJ, et al. (2024) Proteomic and functional comparison between human induced and embryonic stem cells. eLife, 13.

Stavish D, et al. (2024) Feeder-free culture of human pluripotent stem cells drives MDM4-mediated gain of chromosome 1q. Stem cell reports, 19(8), 1217.

Chen KG, et al. (2024) Resistance to Naïve and Formative Pluripotency Conversion in RSeT Human Embryonic Stem Cells. bioRxiv : the preprint server for biology.

Surma M, et al. (2023) Enhanced mitochondrial biogenesis promotes neuroprotection in human pluripotent stem cell derived retinal ganglion cells. Communications biology, 6(1), 218.

Bowles KR, et al. (2023) Development of MAPT S305 mutation models exhibiting elevated 4R tau expression, resulting in altered neuronal and astrocytic function. bioRxiv : the preprint server for biology.

Tresenrider A, et al. (2023) Single-cell sequencing of individual retinal organoids reveals determinants of cell fate heterogeneity. bioRxiv : the preprint server for biology.

Ruiz-Babot G, et al. (2023) Generation of glucocorticoid-producing cells derived from human pluripotent stem cells. Cell reports methods, 3(11), 100627.

Tresenrider A, et al. (2023) Single-cell sequencing of individual retinal organoids reveals determinants of cell-fate heterogeneity. Cell reports methods, 3(8), 100548.

Farhan F, et al. (2023) Extracellular matrix modulates the spatial hepatic features in hepatocyte-like cells derived from human embryonic stem cells. Stem cell research & therapy, 14(1), 314.

Zhang Y, et al. (2023) Definitive Endodermal Cells Supply an in vitro Source of Mesenchymal Stem/Stromal Cells. Communications biology, 6(1), 476.

Mo S, et al. (2023) Cross-species transcriptomics reveals bifurcation point during the arterial-to-hemogenic transition. Communications biology, 6(1), 827.

Buckberry S, et al. (2023) Transient naive reprogramming corrects hiPS cells functionally and epigenetically. Nature, 620(7975), 863.

Nguyen JP, et al. (2023) eQTL mapping in fetal-like pancreatic progenitor cells reveals early developmental insights into diabetes risk. Nature communications, 14(1), 6928.

Shafaattalab S, et al. (2023) Mechanisms of Pathogenicity of Hypertrophic Cardiomyopathy-Associated Troponin T (TNNT2) Variant R278C+/- During Development. bioRxiv : the preprint server for biology.

Berryer MH, et al. (2023) High-content synaptic phenotyping in human cellular models reveals a role for BET proteins in synapse assembly. eLife, 12.