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

Resource Name: WiCell Research Institute

Resource ID: SCR_004364

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

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

Record Creation Time: 20220129T080224+0000

Record Last Update: 20260912T195612+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 297 mentions in open access literature.

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

Gomes-Silva B, et al. (2026) Alternative splicing dynamics during human cardiac development in vivo and in vitro. Stem cell reports, 21(1), 102757.

Yin Y, et al. (2026) A high-throughput screening platform to facilitate treatment development in Rett syndrome. Frontiers in neurology, 17, 1759410.

Vandenbempt V, et al. (2026) PTPN2 deficiency amplifies inflammatory signalling and impairs functional maturation of human stem cell-derived islets. Stem cell research & therapy, 17(1).

Da Silva IIN, et al. (2026) CK2 inhibition suppresses glial inflammation in models of neuroinflammation and neurodegeneration. Nature communications, 17(1).

Li L, et al. (2026) Single-cell ATAC-seq analysis of human embryoid bodies reveals crucial transcription factor networks involved in early germ layer specification. Cell & bioscience, 16(1).

Tong L, et al. (2025) mTORC2-mediated cell-cell interactions promote BMP4-induced WNT activation and mesoderm differentiation. Stem cell reports, 20(11), 102680.

Tanveer MS, et al. (2025) Starting a synthetic biological intelligence lab from scratch. Patterns (New York, N.Y.), 6(5), 101232.

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.

Arthur TD, et al. (2025) Multiomic QTL mapping reveals phenotypic complexity of GWAS loci and prioritizes putative causal variants. Cell genomics, 5(3), 100775.

Selfa Aspiroz L, et al. (2025) Promoting the adoption of best practices and standards to enhance quality and reproducibility of stem cell research. Stem cell reports, 20(7), 102531.

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

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

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.

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.

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

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

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.

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.