

Resource Summary Report

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Icahn School of Medicine at Mount Sinai Stem Cell Engineering Core Facility

RRID:SCR_027503

Type: Tool

Proper Citation

Icahn School of Medicine at Mount Sinai Stem Cell Engineering Core Facility
(RRID:SCR_027503)

Resource Information

URL: <https://icahn.mssm.edu/research/resources/deans-cores/stem-cell-engineering>

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Description: Core provides services for generation and characterization of induced pluripotent stem cells (iPSCs) from somatic sources such as blood and fibroblasts, along with long-term cryobanking. Offers access to collection of well-characterized iPSC lines derived from both healthy donors and patients with various diseases, representing a range of ethnic backgrounds and sexes. Major focus of core is gene editing in pluripotent stem cells, with expertise in CRISPR-based applications from precise point mutation knock-in (correction or introduction) to the generation of reporter lines (e.g., GFP and other fluorescent reporters) and inducible systems such as Cre-lox, dTAG, and beyond. Core provides guidance and support for the differentiation of iPSCs into multiple cell types, using both monolayer and 3D organoid formats, enabling downstream disease modeling and functional studies.

Synonyms: , Stem Cell Engineering Core, Icahn School of Medicine at Mount Sinai Stem Cell Engineering Core

Resource Type: core facility, access service resource, service resource

Keywords: ABRF, generation and characterization of induced pluripotent stem cells, blood, fibroblasts, cryobanking

Resource Name: Icahn School of Medicine at Mount Sinai Stem Cell Engineering Core Facility

Resource ID: SCR_027503

Alternate IDs: ABRF_5364

Alternate URLs: <https://https://coremarketplace.org/?FacilityID=5364&citation=1>

Record Creation Time: 20251007T055028+0000

Record Last Update: 20260808T190813+0000

Ratings and Alerts

No rating or validation information has been found for Icahn School of Medicine at Mount Sinai Stem Cell Engineering Core Facility.

No alerts have been found for Icahn School of Medicine at Mount Sinai Stem Cell Engineering Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Chen M, et al. (2026) Quinone reductase 2 reads H3 serotonylation to support neuronal maturation. bioRxiv : the preprint server for biology.

Liu NN, et al. (2026) Generation of the induced pluripotent stem cell line ISMMSi061-A from a patient with ataxia, intention tremor, and hypotonia syndrome, childhood-onset. Stem cell research, 92, 103938.

Huang AY, et al. (2026) Somatic cancer variants enriched in Alzheimer's disease microglia-like cells drive inflammatory and proliferative states. Cell, 189(12), 3719.

Liu NN, et al. (2026) Dual CRISPR/Cas9 correction of compound heterozygous MARS2 mutations in the iPSC line ISMMSi060-A from a patient with COXPD25. Stem cell research, 95, 104041.

Iriki H, et al. (2026) Induction of human pruriceptors from pluripotent stem cells via transcription factors. Stem cell reports, 103004.