Resource Summary Report

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EBiSC

RRID:SCR_003856
Type: Tool

Proper Citation

EBiSC (RRID:SCR_003856)

Resource Information

URL: http://www.ebisc.org/

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Description: Consortium to address the increasing demand by researchers for quality-controlled, disease-relevant research grade induced Pluripotent Stem Cell (iPSC) lines, data and cell services by demonstrating an operational banking and distribution service of iPSC lines after 3 years and establishing subsequently for Europe a centralized, not-for-profit bank providing all qualified users with access to scalable, cost-efficient and customized products. The main facility will be at the Babraham Research Campus (Cambridge, UK) and will undertake cell expansion, QC and characterization. The European Cell Culture Collection (ECACC) of Public Health England (Department of Health, UK) will coordinate cell line distribution. The Fraunhofer IBMT (Saarbr??cken, Germany) will provide comprehensive operational back up. In a phased business strategy EBiSC will hot-start distribution of lines contributed by iPSC Centres in 2014, lines collected based on specified user demand, will reach full scale operations in 2016, and with extended funding will become self-sustaining as a not for profit banking operation by 2019. EBiSC will spearhead Europe in the international standardization of iPSC banking by forging collaborative links with similar endeavors in the USA and Asia. It will also provide training to encourage adoption and use of the bank. The project has up to one year after completion to disseminate intellectual property or data created by the project.

Abbreviations: EBiSC

Synonyms: EBiSC - European Bank for induced pluripotent Stem Cells, EBiSC Project, European Bank for induced pluripotent Stem Cells

Resource Type: material resource, biomaterial supply resource

Keywords: drug, induced pluripotent stem cell, data sharing, drug development, basic science, tool development, product development, induced pluripotent stem cell line, clinical

Funding: Innovative Medicines Initiative 115582;
EFPIA

Availability: Public, Worldwide on a not-for-profit basis

Resource Name: EBiSC

Resource ID: SCR_003856

Alternate IDs: nlx_158178

Alternate URLs: http://www.imi.europa.eu/content/ebisc

Record Creation Time: 20220129T080221+0000

Record Last Update: 20250501T080608+0000

Ratings and Alerts

No rating or validation information has been found for EBiSC.

No alerts have been found for EBiSC.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 42 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Albuquerque-Wendt A, et al. (2025) TransLeish: Identification of membrane transporters essential for survival of intracellular Leishmania parasites in a systematic gene deletion screen. Nature communications, 16(1), 299.

Ging K, et al. (2024) Direct and indirect regulation of ?-glucocerebrosidase by the transcription factors USF2 and ONECUT2. NPJ Parkinson's disease, 10(1), 192.

Janssen J, et al. (2024) Hypothermic and cryogenic preservation of cardiac tissue-engineered constructs. Biomaterials science, 12(15), 3866.

Rogala S, et al. (2023) The lncRNA Sweetheart regulates compensatory cardiac hypertrophy after myocardial injury in murine males. Nature communications, 14(1), 7024.

Stolzenburg LR, et al. (2023) Functional characterization of a single nucleotide polymorphism associated with Alzheimer's disease in a hiPSC-based neuron model. PloS one, 18(9), e0291029.

Zeng Y, et al. (2023) Fusogenic Coiled-Coil Peptides Enhance Lipid Nanoparticle-Mediated mRNA Delivery upon Intramyocardial Administration. ACS nano, 17(23), 23466.

Popescu AS, et al. (2023) Alzheimer's disease-associated R47H TREM2 increases, but wild-type TREM2 decreases, microglial phagocytosis of synaptosomes and neuronal loss. Glia, 71(4), 974.

Somogyi A, et al. (2023) The synthetic TRPML1 agonist ML-SA1 rescues Alzheimer-related alterations of the endosomal-autophagic-lysosomal system. Journal of cell science, 136(6).

Gehrlein A, et al. (2023) Targeting neuronal lysosomal dysfunction caused by ?-glucocerebrosidase deficiency with an enzyme-based brain shuttle construct. Nature communications, 14(1), 2057.

Ferraro G, et al. (2023) A model eye for fluorescent characterization of retinal cultures and tissues. Scientific reports, 13(1), 10983.

Lamiable A, et al. (2023) Revealing invisible cell phenotypes with conditional generative modeling. Nature communications, 14(1), 6386.

Müller M, et al. (2023) Alveolar epithelial-like cell differentiation in a dynamic bioreactor: a promising 3D-approach for the high-throughput generation of lung cell types from human induced pluripotent stem cells. In vitro models, 2(6), 249.

Borges JP, et al. (2022) Glycine inhibits NINJ1 membrane clustering to suppress plasma membrane rupture in cell death. eLife, 11.

Vuidel A, et al. (2022) High-content phenotyping of Parkinson's disease patient stem cell-derived midbrain dopaminergic neurons using machine learning classification. Stem cell reports, 17(10), 2349.

de Leeuw SM, et al. (2022) APOE2, E3, and E4 differentially modulate cellular homeostasis, cholesterol metabolism, and inflammatory response in isogenic iPSC-derived astrocytes. Stem cell reports, 17(1), 110.

Solomon S, et al. (2022) Heterozygous expression of the Alzheimer's disease-protective PLC?2 P522R variant enhances A? clearance while preserving synapses. Cellular and molecular life sciences : CMLS, 79(8), 453.

Stacey GN, et al. (2022) Biobanking of human pluripotent stem cells in China. Cell proliferation, 55(7), e13180.

Boudesco C, et al. (2022) Novel potent liposome agonists of triggering receptor expressed on myeloid cells 2 phenocopy antibody treatment in cells. Glia, 70(12), 2290.

Antarianto RD, et al. (2022) Hepatocyte Differentiation from iPSCs or MSCs in Decellularized Liver Scaffold: Cell-ECM Adhesion, Spatial Distribution, and Hepatocyte Maturation Profile. Organogenesis, 18(1), 2061263.

Peters MC, et al. (2022) Metabolic Maturation Increases Susceptibility to Hypoxia-induced Damage in Human iPSC-derived Cardiomyocytes. Stem cells translational medicine, 11(10), 1040.