

Publications

Recent Publications

Liew LC, Ho BX, Soh BS.

Mending a broken heart: Current strategies and limitations of cell-based therapy.

Stem Cell Res Ther. 2020 Mar 26;11(1):138. doi: 10.1186/s13287-020-01648-0.

Han HA, Pang JKS, Soh BS.

Mitigating off-target effects in CRISPR/Cas9-mediated in vivo gene editing.

J Mol Med (Berl). 2020 Mar 20. doi: 10.1007/s00109-020-01893-z.

Winanto, Khong ZJ, Soh BS*, Fan Y*, Ng SY*.

Organoid cultures of MELAS neural cells reveal hyperactive Notch signaling that impacts neurodevelopment.

Cell Death Dis. 2020 Mar 13;11(3):182. doi: 10.1038/s41419-020-2383-6. (*Co-corresponding author).

Pang JKS, Phua QH, Soh BS.

Applications of miRNAs in cardiac development, disease progression and regeneration.

Stem Cell Res Ther. 2019 Nov 21;10(1):336. doi: 10.1186/s13287-019-1451-2.

Pek NMQ, Phua QH, Ho BX, Pang JKS, Hor JH, An O, Yang HH, Yu Y, Fan Y, Ng SY, Soh BS.

Mitochondrial 3243A > G mutation confers pro-atherogenic and pro-inflammatory properties in MELAS iPS derived endothelial cells.

Cell Death Dis. 2019 Oct 22;10(11):802. doi: 10.1038/s41419-019-2036-9.

Lim GS, Hor JH, Ho NRY, Wong CY, Ng SY, Soh BS*, Shao H*.

Microhexagon gradient array directs spatial diversification of spinal motor neurons.

Theranostics. 2019 Jan 1;9(2):311-323. doi: 10.7150/thno.29755.

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Fan Y#, Ho XB#, Pang JKS, Pek MQN, Hor JH, Ng SY*, Soh BS*.

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Li Y, Kang XJ, Pang JKS, Soh BS, Yu Y, Fan Y.

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Hor JH, Soh ESY, Tan LY, Lim VJW, Santosa MM, Winanto W, Ho XB, Fan Y, Soh BS*, Ng SY*.

Cell cycle inhibitors protect motor neurons in an organoid model of sponal muscular atrophy.

Cell Death and Disease (2018)9:1100 DOI 10.1038/s41419-018-1081-0. (Co-corresponding)

Ho XB, Loh SJH, Chan WK Soh BS.

In vivo genome editing as a therapeutic approach.

Int J Mol Sci. 2018 Sep 12;19(9). pii: E2721. doi: 10.3390/ijms19092721.

Ho XB*, Pek MQN*, Soh BS.

Disease modeling using 3D organoids derived from human induced pluripotent stem cells.

Int J Mol Sci. 2018 Mar 21;19(4). pii: E936. doi: 10.3390/ijms19040936.

Ramanathan N, Tan HNE, Loh LJ, Soh BS, Yap WN.

Tocotrienol is a cardioprotective agent against ageing-associated cardiovascular disease and its associated morbidities.

Nutrition & Metabolism. 2018 15:6. doi: 10.1186/s12986-018-0244-4

Yang Y, Wu H, Kang X, Liang Y, Lan T, Li T, Tan T, Peng J, Zhang Q, An G, Liu Y, Yu Q, Ma Z, Lian Y, Soh BS, Chen Q, Liu P, Chen Y, Sun X, Li R, Zhen X, Liu P, Yu Y*, Li X*, Fan Y*.

Targeted elimination of mutant mitochondrial DNA in MELAS iPSCs by mito-TALENs.

Protein Cell. 2018 Jan 9. doi: 10.1007/s13238-017-0499-y

Kang X, Chiong INC, Soh BS*, Fan Y*.

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Zheng D, Soh BS, Yin L, Hu G, Chen Q, Choi H, Han J, Chow VT, Chen J.

Differentiation of club cells to alveolar epithelial cells in vitro.

Sci Rep. 2017 Jan 27;7:41661. doi: 10.1038/srep41661.

Tan HN, Tay ZY, Soh BS.

Intervention for cardiac repair: A clinical perspective..

Curr Stem Cell Res Ther. 2017 Jan 12. [Epub ahead of print]

Soh BS, Ng SY, Wu H, Buac K, Park JH, Lian X, Xu J, Foo KS, Felldin U, He X, Nichane M, Yang H, Bu L, Li RA, Lim B, Chien KR.

Endothelin-1 supports clonal derivation and expansion of cardiovascular progenitors derived from human embryonic stem cells.

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Ng SY*, Soh BS*, Rodriguez-Muela N, Hendrickson DG, Price F, Rinn JL, Rubin LL.

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CD166(pos) Subpopulation From Differentiated Human ES and iPS Cells Support Repair of Acute Lung Injury.

Mol Ther. 2012 Dec;20(12):2335-46. (*Co-corresponding)

Zhang WC, Shyh-Chang N, Yang H, Rai A, Umashankar S, Ma S, Soh BS, Sun LL, Tai BC, Nga ME, Bhakoo KK, Jayapal SR, Nichane M, Yu Q, Ahmed DA, Tan C, Sing WP, Tam J, Thirugananam A, Noghabi MS, Huei Pang Y, Ang HS, Robson P, Kaldis P, Soo RA, Swarup S, Lim EH, Lim B.

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merguiensis by feeding Spirulina platensis.

J. App Phycology 2003 Jul; 15 (4): 279-287.

Loke P, Goh LL, Soh BS, Yeow P and Sim TS.

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