High-Impact Publications in Stem Cell Research, 2022–2023

ZE5 Cell Analyzer Publications

Aikins ME et al. (2022).
Cancer stem cell antigen nanodisc cocktail elicits anti-tumor immune responses in melanoma.
J Control Release 351, 872–882.

Augimeri G et al. (2023).
A hybrid breast cancer/mesenchymal stem cell population enhances chemoresistance and metastasis.
JCI Insight 8, e164216.

Bealer E et al. (2023).
Extrahepatic transplantation of 3D cultured stem cell–derived islet organoids on microporous scaffolds.
Biomater Sci 11, 3645–3655.

Chen YH et al. (2023).
Rewilding of laboratory mice enhances granulopoiesis and immunity through intestinal fungal colonization.
Sci Immunol 8, eadd6910.

Crees ZD et al. (2023).
Motixafortide and G-CSF to mobilize hematopoietic stem cells for autologous transplantation in multiple myeloma: A randomized phase 3 trial.
Nat Med 29, 869–879.

Harper TC et al. (2023).
GATA1 deletion in human pluripotent stem cells increases differentiation yield and maturity of neutrophils.
iScience 26, 107804.

Kang YA et al. (2023).
Secretory MPP3 reinforce myeloid differentiation trajectory and amplify myeloid cell production.
J Exp Med 220, e20230088.

Larouche JA et al. (2023).
Spatiotemporal mapping of immune and stem cell dysregulation after volumetric muscle loss.
JCI Insight 8, e162835.

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Leclerc K et al. (2023).
Hox genes are crucial regulators of periosteal stem cell identity.
Development 150, dev201391.

Lee JS et al. (2022).
The insulin and IGF signaling pathway sustains breast cancer stem cells by IRS2/PI3K-mediated regulation of MYC.
Cell Rep 41, 111759.

Li F et al. (2022).
Fas ligand-modified scaffolds protect stem cell derived β-cells by modulating immune cell numbers and polarization.
ACS Appl Mater Interfaces 15, 50549–50559.

Lopez de Lapuente Portilla A et al. (2022).
Genome-wide association study on 13,167 individuals identifies regulators of blood CD34+cell levels.
Blood 139, 1659–1669.

Otsuka T et al. (2022).
Overexpression of NDST1 attenuates fibrotic response in murine adipose-derived stem cells.
Stem Cells Dev 31, 787–798.

Tolstova T et al. (2023).
The effect of TLR3 priming conditions on MSC immunosuppressive properties.
Stem Cell Res Ther 14, 344.

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