



BIBLIOGRAPHY OF RESEARCH PUBLICATIONS

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NEWEST RELEASES**Simulated microgravity impairs cardiac autonomic neurogenesis from neural crest cells.**

Hatzistergos KE, Jiang Z, Valasaki K, Takeuchi LM, Balkan W, Atluri P, Saur D, Seidler B, Tsinoremas N, DiFede D, Hare JM. *Stem Cells Dev.* 2018 Jan 16. doi: 10.1089/scd.2017.0265.

Accelerated and Improved Differentiation of Retinal Organoids from Pluripotent Stem Cells in Rotating-Wall Vessel Bioreactors.

DiStefano T, Chen HY, Panebianco C, Kaya KD, Brooks MJ, Gieser L, Morgan NY, Pohida T, Swaroop A. *Stem Cell Reports.* 2018 Jan 9;10(1):300-313. doi: 10.1016/j.stemcr.2017.11.001.

Regulation of the Response of *Caenorhabditis elegans* to Simulated Microgravity by p38 Mitogen-Activated Protein Kinase Signaling.

Li W, Wang D, Wang D. *Sci Rep.* 2018 Jan 16;8(1):857. doi: 10.1038/s41598-018-19377-z.

Modeling Multiple Myeloma-Bone Marrow interactions and response to drugs in a 3D surrogate microenvironment.

Belloni D1, Heltai S, Ponzoni M, Villa A, Vergani B, Pecciarini L, Marcatti M, Girlanda S, Tonon G, Ciceri F, Caligaris-Cappio F, Ferrarini M, Ferrero E. *Haematologica.* 2018 Jan 11. pii: haematol.2017.167486. doi: 10.3324/haematol.2017.167486.

Advanced 3D models culture to investigate mesenchymal stromal cells of the human dental follicle.

Steimberg N, Angiero F, Farronato D, Berenzi A, Cossellu G, Ottonello A, Kaigler D, Mazzoleni G. *Tissue Eng Part C Methods.* 2018 Jan 12. doi: 10.1089/ten.TEC.2017.0428.

Genome-wide analysis and prediction of functional long noncoding RNAs in osteoblast differentiation under simulated microgravity.

Hu Z, Wang H, Wang Y, Zhou H, Shi F, Zhao J, Zhang S, Cao X. *Mol Med Rep.* 2017 Dec;16(6):8180-8188. doi: 10.3892/mmr.2017.7671.

In Vitro Growth of Mouse Preantral Follicles Under Simulated Microgravity.

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Bradley JH, Stein R, Randolph B, Molina E, Arnold JP, Gregg RK. *Life Sci Space Res (Amst).* 2017 Nov;15:55-61. doi: 10.1016/j.lssr.2017.08.002.

Combined Effects of Simulated Microgravity and Radiation Exposure on Osteoclast Cell Fusion.

Shanmugarajan S, Zhang Y, Moreno-Villanueva M, Clanton R, Rohde LH, Ramesh GT, Sibonga JD, Wu H. *Int J Mol Sci.* 2017 Nov 18;18(11). pii: E2443. doi: 10.3390/ijms18112443.

Coculture of meniscus cells and mesenchymal stem cells in simulated microgravity.

Weiss WM, Mulet-Sierra A, Kunze M, Jomha NM, Adesida AB. *NPJ Microgravity.* 2017 Nov 10;3:28. doi: 10.1038/s41526-017-0032-x. eCollection 2017.

Emergence of two distinct subpopulations from *Klebsiella pneumoniae* grown in the stimulated microgravity environment.

Wang H, Li W1., Gu L, Gao , Ni B, Deng H, Yang R, Han Y. *Future Microbiol.* 2017 Sep;12:939-951. doi: 10.2217/fmb-2017-0032. Epub 2017 Aug 17.

RhoGTPase stimulation is associated with strontium chloride treatment to counter simulated microgravity-induced changes in multipotent cell commitment.

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Mesenchymal stem cells support growth and organization of host-liver colorectal-tumor organoids and possibly resistance to chemotherapy.

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Aligned Nanofibrous Cell-Derived Extracellular Matrix for Anisotropic Vascular Graft Construction.

Xing Q, Qian Z, Tahtinen M, Yap AH, Yates K, Zhao F. Adv Healthc Mater. 2017 May;6(10). doi: 10.1002/adhm.201601333. Epub 2017 Feb 9.

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Uniform Embryoid Body Production and Enhanced Mesendoderm Differentiation with Murine Embryonic Stem Cells in a Rotary Suspension Bioreactor.

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Novel Bioreactor Platform for Scalable Cardiomyogenic Differentiation from Pluripotent Stem Cell-Derived Embryoid Bodies.

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