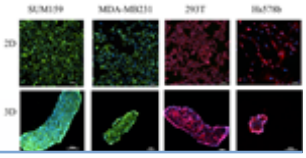
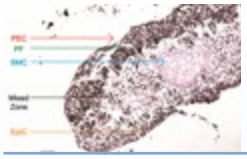
Publications

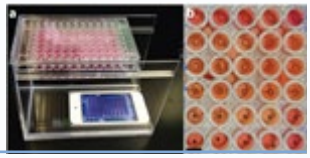
3D Cell Culture



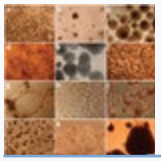
Jaganathan, H. et al. Three-dimensional in vitro co-culture model of breast tumor using magnetic levitation. Sci. Rep. 4, 6468 (2014).



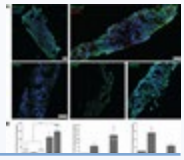
Tseng, H. et al. A three-dimensional co-culture model of the aortic valve using magnetic levitation. Acta Biomater. 10, 173–82 (2014).



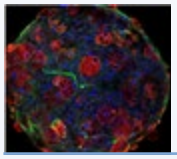
Timm, D. M. et al. A high-throughput three-dimensional cell migration assay for toxicity screening with mobile device-based macroscopic image analysis. Sci. Rep. 3, 3000 (2013).



Haisler, W. L. et al. Three-dimensional cell culturing by magnetic levitation.Nat. Protoc. 8, 1940–9 (2013).

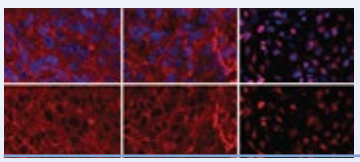


Tseng, H. et al. Assembly of a three-dimensional multitype bronchiole coculture model using magnetic levitation. Tissue Eng. Part C. Methods 19, 665–75 (2013).



Daquinag, A. C., Souza, G. R. & Kolonin, M. G. Adipose tissue engineering in three-dimensional levitation tissue culture system based on magnetic nanoparticles. Tissue Eng. Part C. Methods 19, 336–44 (2013).

Becker, J. L. & Souza, G. R. Using space-based investigations to inform cancer research on Earth. Nat. Rev. Cancer 13, 315–27 (2013).



Souza, G. R. et al. Three-dimensional tissue culture based on magnetic cell levitation. Nat. Nanotechnol. 5, 291–6 (2010).

From Our Users

1. Castro-Chavez, F. et al. Effect of lyso-phosphatidylcholine and Schnurri-3 on osteogenic transdifferentiation of vascular smooth muscle cells to calcifying vascular cells in 3D culture. Biochim. Biophys. Acta 1830, 3828–34 (2013).
2. Xu, L. et al. Estrogen Receptor β of Host Promotes the Progression of Lung Cancer Brain Metastasis of an Orthotopic Mouse Model. J. Cancer Ther. 3, 352–8 (2012).
3. Lee, J. S. et al. Detection of hydroxyapatite in calcified cardiovascular tissues.Atherosclerosis 224, 340–7 (2012).
4. Molina, J. R. et al. Invasive glioblastoma cells acquire stemness and increased Akt activation. Neoplasia 12, 453–63 (2010).

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