



**Showcasing research on high-throughput drug screening platform with multilayered spheroid from Professor Junmin Lee's laboratory, Department of Materials Science and Engineering, Pohang University of Science and technology (POSTECH), Korea.**

High throughput drug screening platform utilizing capillary and artery cell layered models based on tumor-vascular cell interactions

We developed a Tumor model surrounded by vascular cells to better mimic the tumor microenvironment. By encapsulating these models in hydrogels and applying media circulation, we recreated key features like cell-cell and cell-matrix interactions and shear stress. This dynamic system enables high-throughput screening (HTS) for anti-cancer drugs, supporting cancer treatment research and development.

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### As featured in:



See Junmin Lee, Han-Jun Kim *et al.*,  
*Lab Chip*, 2025, **25**, 2349.