

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
Screening antimetastatic compounds using microfluidic-based tracking of cell migration	<p>A microfluidic device that monitors cell migration could be used to screen antimetastatic compounds. On the chip-based device, chemoattractant loaded at one end of 10 separate microchannels induced the migration of cells loaded at the other end of each microchannel, which could be tracked with scanning electron microscopy. The device simultaneously screened nine research-grade, clinical or marketed small molecule inhibitors of metastasis-associated targets for their ability to increase or decrease the migration of paclitaxel-resistant metastatic human breast cancer cells compared with no treatment. Future studies could include using the device to screen new inhibitors of cell migration and metastasis.</p> <p>SciBX 7(7); doi:10.1038/scibx.2014.207 Published online Feb. 20, 2014</p>	Patent and licensing status unavailable	<p>Zhang, Y. <i>et al. Angew. Chem. Int. Ed.</i>; published online Jan. 29, 2014; doi:10.1002/anie.201309885 Contact: Lidong Qin, Houston Methodist Research Institute, Houston, Texas e-mail: lqin@tmhs.org</p>