

## This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
<b>Cancer</b>				
Lung cancer	Not applicable	<i>In vitro</i> and mouse studies identified 4-anilino-furo[2,3- <i>b</i> ]quinolone-based compounds that could help treat cancer. A lead compound blocked microtubule formation, triggered mitotic arrest and inhibited the growth of lung cancer cell lines with a low micromolar IC <sub>50</sub> value. In a xenograft mouse model of lung cancer, the lead compound decreased tumor size and prolonged survival compared with vehicle control. Next steps could include additional studies to evaluate how the compound inhibits microtubule formation and cell growth.  <b>SciBX 4(25); doi:10.1038/scibx.2011.707</b> <b>Published online June 23, 2011</b>	Patent and licensing status undisclosed	Chen, Y.-W. <i>et al.</i> <i>J. Med. Chem.</i> ; published online May 20, 2011; doi:10.1021/jm200046z <b>Contact:</b> Cherng-Chyi Tzeng, Kaohsiung Medical University, Kaohsiung City, Taiwan e-mail: <a href="mailto:tzengch@kmu.edu.tw">tzengch@kmu.edu.tw</a> <b>Contact:</b> Pei-Jung Lu, National Cheng Kung University, Tainan, Taiwan e-mail: <a href="mailto:pjlu2190@mail.ncku.edu.tw">pjlu2190@mail.ncku.edu.tw</a>