

## This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
<b>Cancer</b>				
Cancer	Oral-facial-digital syndrome 1 (OFD1)	<i>In vitro</i> studies suggest inhibiting OFD1 could be useful for treating ciliopathies and cancers associated with aberrant ciliogenesis. Cilia are required for the proper function of disease-relevant cell signaling pathways. In mouse embryonic fibroblasts with defective ciliogenesis, ciliogenesis was restored by partial knockdown of <i>Ofd1</i> . In a human breast cancer cell line lacking cilia, partial knockdown of <i>Ofd1</i> restored ciliogenesis in about 20% of cells. Next steps include screening for inhibitors of OFD1 and assessing whether the cilia formed on cancer cells following <i>OFD1</i> depletion are functional.	Unpatented; licensing status not applicable	Tang, Z. <i>et al. Nature</i> ; published online Oct. 2, 2013; doi:10.1038/nature12606 <b>Contact:</b> Qing Zhong, The University of Texas Southwestern Medical Center, Dallas, Texas e-mail: <a href="mailto:qing.zhong@utsouthwestern.edu">qing.zhong@utsouthwestern.edu</a>
		<b>SciBX 6(41); doi:10.1038/scibx.2013.1158</b> Published online Oct. 24, 2013		