This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Dermatology				
Wounds	Olfactory receptor family 2 subfamily AT member 4 (OR2AT4)	Cell and tissue culture studies suggest activating OR2AT4 could help promote wound healing. In a human keratinocyte cell line, synthetic sandalwood odorants were shown to activate OR2AT4. In the cell line, siRNA against <i>OR2AT4</i> blocked the proliferation- and migration-promoting effects of a synthetic sandalwood odorant, whereas control siRNA did not. In <i>ex vivo</i> human skin cultures, the sandalwood odorant increased markers of wound healing compared with vehicle. Next steps could include screening for OR2AT4 agonists and evaluating them in animal wound healing models.	Patent and licensing status unavailable	Busse, D. <i>et al.</i> <i>J. Invest. Dermatol.</i> ; published online July 7, 2014; doi:10.1038/jid.2014.273 Contact: Daniela Busse, Ruhr University Bochum, Bochum, Germany e-mail: daniela.busse@rub.de
<i>SciBX</i> 7(32); doi:10.1038/scibx.2014.953 Published online Aug. 21, 2014				