This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Imaging			
Detection of melanoma tumors with PET imaging using an ^{18}F -labeled, melanin-binding small molecule	<p>A PET agent derived from a melanin-binding small molecule could be useful for detecting metastatic melanoma tumors. Melanin is more highly expressed in melanoma tumors than in normal tissues. In a mouse model of melanoma, an ^{18}F-labeled, melanin-binding iodoquinoline carboxamide showed greater uptake and retention in tumors than in normal tissues and plasma and was used to generate high-contrast PET images of tumors. Ongoing work in the mouse models includes testing an ^{131}I-labeled carboxamide as follow-on radiotherapy to treat melanoma after tumors are detected with the ^{18}F-labeled carboxamide.</p> <p><i>SciBX</i> 6(41); doi:10.1038/scibx.2013.1176 Published online Oct. 24, 2013</p>	Patent and licensing status unavailable	<p>Billaud, E.M.F. <i>et al. J. Med. Chem.</i>; published online Sept. 17, 2013; doi:10.1021/jm400877v Contact: Philippe Auzeloux, University of Auvergne, Clermont-Ferrand, France e-mail: philippe.auzeloux@inserm.fr</p>