

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Imaging			
Stilbene molecular probes for imaging myelinated neuronal tissue	<i>In vitro</i> and mouse studies identified stilbene derivatives that could be used to monitor myelin pathology in multiple sclerosis (MS) and other neurodegenerative disorders. Spectrophotometry and radioligand studies showed that the derivatives had high binding affinities for myelin. The compounds also stained myelinated regions of mouse brain tissue <i>in vitro</i> and were able to cross the blood-brain barrier to stain myelinated white matter in the CNS when injected into the mouse tail vein. Next steps include <i>in vivo</i> imaging using the probes in a mouse model of MS.	Patent application filed in the U.S.; available for licensing	Wu, C. <i>et al.</i> <i>J. Med. Chem.</i> ; published online Oct. 10, 2008; doi:10.1021/jm8003637 Contact: Yanming Wang, Case Western Reserve University, Cleveland, Ohio e-mail: yanming.wang@case.edu
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