

This week in techniques

| Approach | Summary | Licensing status | Publication and contact information |
|--|--|---|--|
| Assays & screens | | | |
| Behavior-based screen of neuroactive molecules in zebrafish (<i>Danio rerio</i>) embryos | A zebrafish-based screen could help identify compounds to treat neurological disorders. Screening of a small molecule library of about 14,000 compounds, together with <i>in vitro</i> confirmation of positive hits, identified two new acetylcholinesterase (AChE) inhibitors and several new coumarin-based monoamine oxidase A (MAO-A) and/or MAO-B inhibitors. Ongoing work includes further testing of the inhibitors identified in the screen. SciBX 3(5); doi:10.1038/scibx.2010.163 Published online Feb. 4, 2010 | Patented by Massachusetts General Hospital; available for licensing | Kokel, D. <i>et al. Nat. Chem. Biol.</i> ; published online Jan. 17, 2010; doi:10.1038/nchembio.307 Contact: Randall T. Peterson, Harvard Medical School, Charlestown, Mass. e-mail: peterson@cvrc.mgh.harvard.edu Contact: David Kokel, same affiliation as above e-mail: dkokel@cvrc.mgh.harvard.edu |