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This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Chemistry			
Small molecule inhibitor of jumonji C domain–containing histone demethylases (JHDMs)	A small molecule inhibitor of JHDMs could help validate disease targets and aid in the development of drug leads for the enzyme class. JHDMs have previously been implicated in cancer and inflammatory and neurological diseases, but selective inhibitors were not available. *In vitro* and in cell culture, methylstat, a small molecule that mimics the natural substrate and cofactor of JHDMs, inhibited jumonji domain containing 2C (JMJD2C; KDM4C) at low micromolar concentrations. Next steps include optimizing potency and selectivity of the compound and testing its antitumor effects *in vivo*. *SciBX* 4(24); doi:10.1038/scibx.2011.694 Published online June 16, 2011	Patent application filed; available for licensing	Luo, X. *et al. J. Am. Chem. Soc.*; published online May 17, 2011; doi:10.1021/ja201597b **Contact:** Xiang Wang, University of Colorado at Boulder, Boulder, Colo. e-mail: xiang.wang@colorado.edu

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