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THE DISTILLERY

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Disease models			
Induced pluripotent stem (iPS) cell–derived models of familial hypertrophic cardiomyopathy (HCM)	Patient-derived iPS cell models of familial HCM could help identify new treatments for the disease. HCM is a hereditary heart disease caused by many distinct mutations that affect cardiac muscle function. iPS cell–derived cardiomyocytes were generated from fibroblasts from patients with HCM carrying a mutation in *myosin heavy chain 7 cardiac muscle-β* (*MYH7*). These cardiomyocytes showed disease-associated phenotypes including increased cell size and multinucleation compared with cardiomyocytes derived from healthy subjects and showed abnormal calcium signaling. In these cells, a calcium channel blocker decreased hypertrophy compared with no treatment. Ongoing work includes developing a patient-specific iPS cell disease library and screening for HCM therapeutics. *SciBX* **6**(4); doi:10.1038/scibx.2013.97 Published online Jan. 31, 2013	Patent and licensing status undisclosed	Lan, F. *et al. Cell Stem Cell*; published online Jan. 3, 2013; doi:10.1016/j.stem.2012.10.010 **Contact:** Joseph C. Wu, Stanford University School of Medicine, Stanford, Calif. e-mail: joewu@stanford.edu