

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug platforms			
Hematopoietic stem cells (HSCs) generated via <i>ex vivo</i> dedifferentiation for transplant applications	A study in mice suggests HSCs generated <i>ex vivo</i> could be useful for transplantation. <i>Ex vivo</i> viral expression of a cocktail of transcription factors in myeloid or lymphoid progenitor cells caused dedifferentiation into an HSC-like state. After transplantation into myelo-ablated mice, the HSCs engrafted into bone, spleen and thymus and differentiated into the full range of blood cells. Next steps could include repeating the experiment with human cells in a humanized mouse model and testing the ability of induced HSCs to restore bone marrow and immune function in disease models.	Patent pending; available for licensing	Riddell, J. <i>et al. Cell</i> ; published online April 24, 2014; doi:10.1016/j.cell.2014.04.006 Contact: Derrick J. Rossi, Harvard University, Cambridge, Mass. e-mail: derrick.rossi@childrens.harvard.edu
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