

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Disease models			
Mouse model of early celiac disease	A mouse model of celiac disease could aid the development of new treatments. Transgenic mice expressing <i>major histocompatibility complex class II DQ8 (Hla-dq8)</i> and <i>Il-15</i> in the gut developed symptoms of early stage celiac disease when fed the wheat protein gliadin. In those mice, retinoic acid plus the celiac disease-associated cytokine IL-15 promoted intolerance to dietary antigens and increased the release of proinflammatory cytokines from dendritic cells. Next steps include using the mouse model to evaluate multiple approaches for targeting the IL-15 signaling pathway.	Patent application filed; model available for licensing	DePaolo, R.W. <i>et al. Nature</i> ; published online Feb. 9, 2011; doi:10.1038/nature09849 Contact: Bana Jabri, The University of Chicago, Chicago, Ill. e-mail: bjabri@bsd.uchicago.edu
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