SciBX
Science-Business eXchange

THE DISTILLERY

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug platforms			
Vaccination via delivery of dendritic cell (DC)-targeted protective antigens	A method that uses *Lactobacillus acidophilus* to orally deliver protective antigen via specific DC-targeting peptides could be a useful strategy for increasing mucosal immune responses against various pathogens. In mice, oral delivery of *L. acidophilus* expressing *Bacillus anthracis* protective antigen fused to a DC-targeting peptide induced protective immunity against lethal *B. anthracis* challenge in 12 of 16 treated mice. Vaccination with *L. acidophilus* expressing a protective antigen and a control peptide induced protective immunity in only 4 of 16 mice. Next steps include investigating the utility of the vaccine strategy in cancer, colitis and infectious diseases. *SciBX* 2(8); doi:10.1038/scibx.2009.342 Published online Feb. 26, 2009	Provisional patent application filed for DC-targeted antigens; unlicensed	Mohamadzadeh, M. *et al. Proc. Natl. Acad. Sci. USA*; published online Feb. 16, 2009; doi:10.1073/pnas.0900029106 **Contact:** T.R. Klaenhammer, North Carolina State University, Raleigh, N.C. e-mail: klaenhammer@ncsu.edu **Contact:** M. Mohamadzadeh, Northwestern University, Chicago, Ill. e-mail: m.zadeh@northwestern.edu