

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Imaging			
<i>In vivo</i> detection of immune responses to vaccines with ¹⁸ F-labeled 3'-fluoro-3'-deoxythymidine (FLT)-PET imaging	Detection of immune system responses with FLT-PET imaging could be useful for vaccine development. In metastatic melanoma patients vaccinated with radio-tagged, antigen-loaded dendritic cells (DCs), CT and FLT-PET imaging showed accumulation of DCs and FLT in lymph nodes. PET imaging also showed that lymph node uptake of FLT correlated with greater levels of circulating antigen-specific antibodies and T cells. Planned studies include identifying and testing additional PET imaging agents as tracers for specific immune cell subpopulations.	Unpatented; available for partnering	Aarntzen, E.H.J.G. <i>et al. Proc. Natl. Acad. Sci. USA</i> ; published online Oct. 24, 2011; doi:10.1073/pnas.1113045108 Contact: I. Jolanda M. de Vries, Radboud University Nijmegen Medical Centre, Nijmegen, the Netherlands e-mail: j.devries@ncmls.ru.nl
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