

## Integrating Medicine and Science



**From AAAS**  
**Publisher of**  
***Science Magazine***

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- 
- Unique scope and mission





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  - Novel basic discoveries that change fundamental understanding

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  - Results that mark genuine progress toward improvements in clinical practice in all areas of medicine





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Research Article

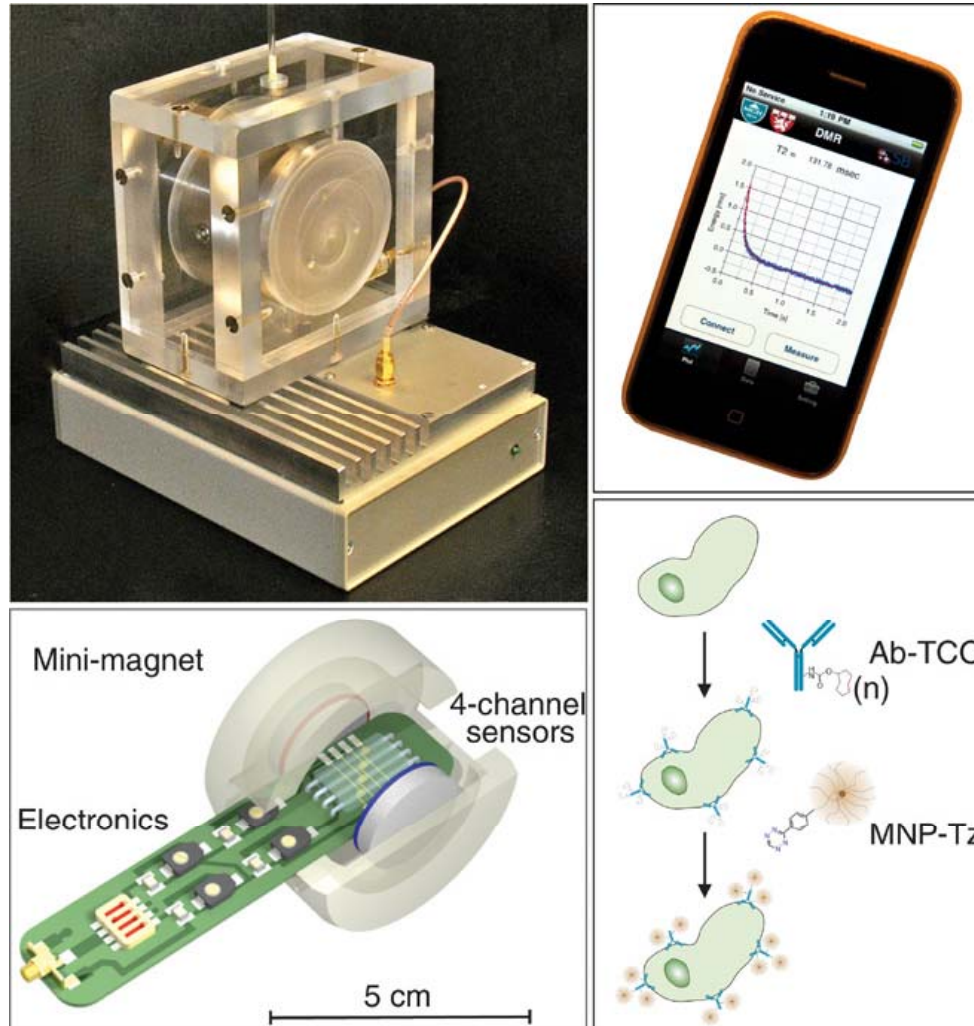
Cancer Diagnostics

## **Micro-NMR for Rapid Molecular Analysis of Human Tumor Samples**

[Jered B. Haun](#), [Cesar M. Castro](#), [Rui Wang](#), [Vanessa M. Peterson](#), [Brett S. Marinelli](#), [Hakho Lee](#) and [Ralph Weissleder](#)



# The $\mu$ NMR clinical analysis system



Haun J B et al. Sci Transl Med 2011;3:71ra16-71ra16



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**Research Article**

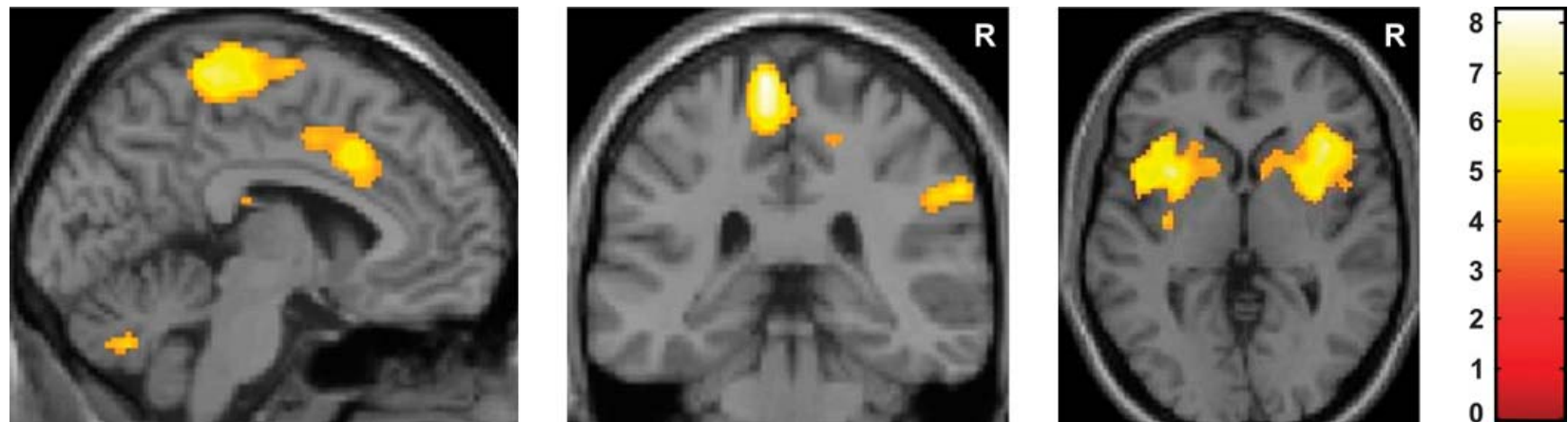
**Drug Efficacy**

## The Effect of Treatment Expectation on Drug Efficacy: Imaging the Analgesic Benefit of the Opioid Remifentanyl

Ulrike Bingel, Vishvarani Wanigasekera, Katja Wiech,  
Roisin Ni Mhuircheartaigh, Michael C. Lee, Markus  
Ploner, and Irene Tracey



## Brain correlates of the intrinsic effect of opioid analgesia.



Bingel U et al. Sci Transl Med 2011;3:70ra14-70ra14





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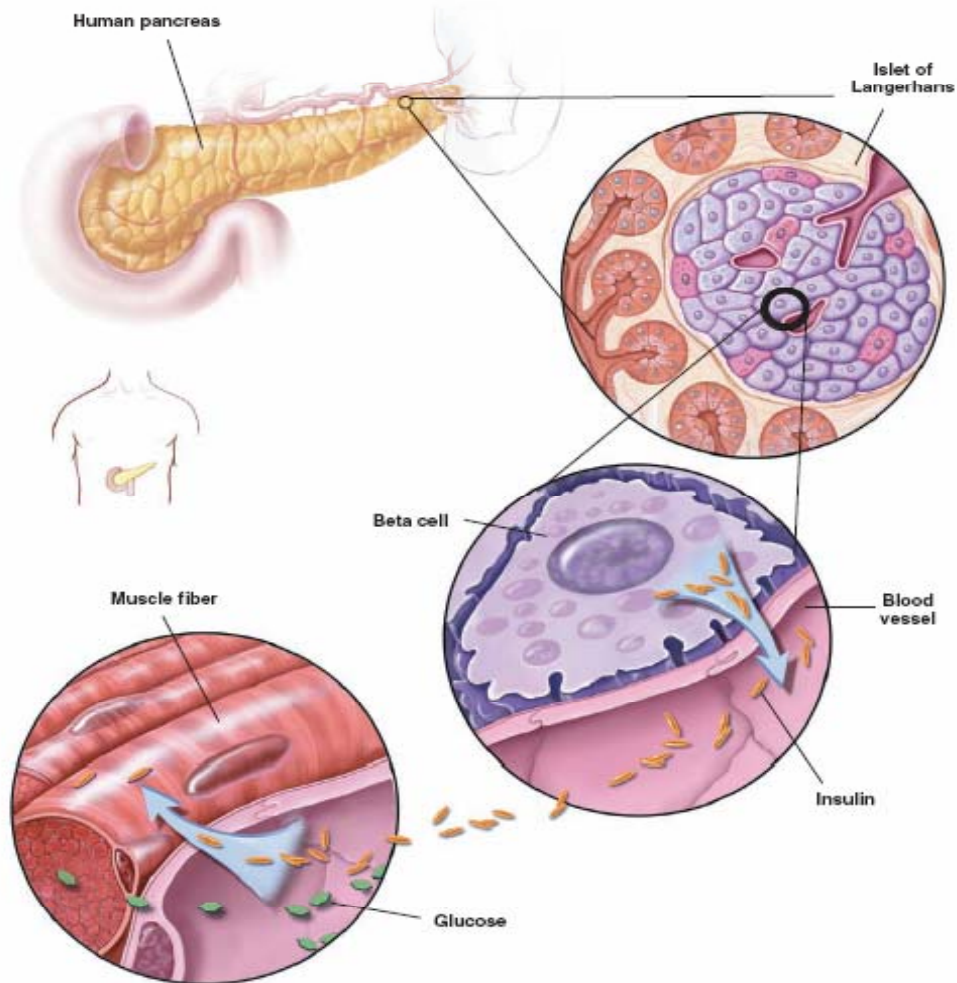
**Research Article**  
**Diabetes**

# **Human CD3 Transgenic Mice: Preclinical Testing of Antibodies Promoting Immune Tolerance**

**Chantal Kuhn, Sylvaine You, Fabrice Valette, Geoff  
Hale, Peter van Endert,  
Jean-François Bach, Herman Waldmann, and  
Lucienne Chatenoud**



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## *Science Translational Medicine*

A major goal of the journal is to publish papers that identify and fill scientific knowledge gaps at the junction of basic research and human applications.



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