

### People Search

Select Type ▼

Departments & Programs ▼

Enter Name

## Douglas L. Rothman

Professor of Diagnostic Radiology & Biomedical Engineering

Ph.D., Yale University

### RESPONSIBILITIES

Director, Magnetic Resonance

### INTERESTS

Development of magnetic resonance spectroscopy and magnetic resonance imaging methods to image metabolic and neurotransmitter pathways non-invasively in humans and in animal models.

### REPRESENTATIVE PUBLICATIONS

- Odor Maps of Aldehydes and Esters Revealed by Functional MRI in the Glomerular Layer of the Mouse Olfactory Bulb , F.Q. Xu, N. Liu, L. Kida, Douglas L Rothman, Fahmeed Hyder, G.M. Shepherd, 2003, *Proc.Natl. Acad. Sci. (USA)*, 100(19), 11029-11034.
- Cerebral Energetics and Spiking Frequency: The Neurophysiological Basis of fMRI , A. J. Smith, H. Blumenfeld, K.L. Behar, Douglas L Rothman, R.G. Shulman, Fahmeed Hyder, 2002, *Proc.Natl. Acad. Sci. (USA)*, 99(16), 10765-10770.
- Quantitative Functional Imaging of the Brain: Towards Mapping Neuronal Activity by BOLD fMRI, Fahmeed Hyder, I. Kida, K.L. Behar, R.P. Kennan, P.K. Maciejewski, Douglas L Rothman, 2001, *NMR in Biomedicine*, 14(7-8), 413-431.



### + News & Events

#### Links

- [Faculty Page](#)
- [NIH Funds \\$2 Million Magnetic Resonance System at Yale](#)

#### Phone

(203) 785-6202

#### Email

- [douglas.rothman \[at\] yale.edu](mailto:douglas.rothman[at]yale.edu)

#### Office Address

P.O. Box 208260  
New Haven, CT 06520

#### Mailing Address

300 Cedar Street  
TAC 138  
New Haven, CT 06511

[GO BACK](#)

The four flasks look like they're filled with bubbling ... [\[+\]](#)

The team at Yale University claim the portable biomarker ... [\[+\]](#)

01/19/10 from 4:00 PM ... [\[+\]](#)



[RSS](#) 

[Privacy Policy](#)

[Disclaimer](#)

[Security](#)

[Copyright](#)

[Faculty FAQ](#)



School of Engineering & Applied Science | Yale University | Dunham Laboratory | Room 222 | 10 Hillhouse Avenue | U.S. Mail: P.O. Box 208267 | New Haven, CT 06520-8267 | Phone 203-432-4200