

Thomas Jue, Ph.D.

Clinical Interests	Thomas Jue's research includes development and application of nuclear magnetic resonance spectroscopic and imaging techniques to study metabolic regulation in normal and tumor tissues in vivo. His current research focuses on 1) refining high-resolution NMR techniques to investigate the cellular response to limiting oxygen and the control of oxidative phosphorylation in myocardium and skeletal muscle; 2) developing a chemical shift imaging technique to spatially map tissue oxygenation and metabolite levels in vivo; 3) determining the structure and function of proteins, in particular myoglobin in the cell; 4) assessing the function of uncoupling protein in body weight regulation; 5) observing embryogenesis in transgenic mice; and 6) mapping angiogenesis and metastasis in tumors.
Title	Professor
Specialty	Biological Chemistry
Department	Biological Chemistry and Molecular Medicine
Division	Biological Chemistry
Education	B.A., California State University, Hayward, Hayward, California, 1977 B.A., UC Berkeley, Berkeley, California, 1971
Fellowships	University of California, Davis, Davis, California, 1980-82

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