

BIOGRAPHICAL SKETCH

Give the following information for the key personnel and consultants and collaborators. Begin with the principal investigator/program director. Photocopy this page for each person.

NAME	POSITION TITLE		
Martha P. Mims, Ph.D.	Assistant Professor, Department of Medicine		
EDUCATION (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE	YEAR CONFERRED	FIELD OF STUDY
Rice University, Houston, Texas	B.S.	1978	Biochemistry
Rice University, Houston, Texas	Ph.D.	1983	Biochemistry
Baylor College of Medicine	Post-doctoral	1987	Atherosclerosis & Lipid research

RESEARCH AND PROFESSIONAL EXPERIENCE: Concluding with present position, list, in chronological order, previous employment, experience, and honors. Key personnel include the principal investigator and any other individuals who participate in the scientific development or execution of the project. Key personnel typically will include all individuals with doctoral or other professional degrees, but in some projects will include individuals at the masters or baccalaureate level provided they contribute in a substantive way to the scientific development or execution of the project. Include present membership on any Federal Government public advisory committee. List, in chronological order, the titles, all authors, and complete references to all publications during the past three years and to representative earlier publications pertinent to this application. DO NOT EXCEED TWO PAGES.

Professional Positions:

12/87-12/88 Instructor, Department of Medicine, Division of Atherosclerosis and Lipid Research, Baylor College of Medicine, Houston, Texas

12/88-present Assistant Professor, Department of Medicine, Division of Atherosclerosis and Lipid Research, Baylor College of Medicine, Houston, Texas

Professional Societies:

1987-present American Chemical Society

1987-present American Society of Biochemistry and Molecular Biology (FASEB)

1992-present American Heart Association Fellow

Awards:

Board of Governor's scholar 1977-78; Phi Beta Kappa 1978; Society of Rice University Women scholar, 1977-78; Welch fellow, 1978-83; National Research Service Award Postdoctoral Fellowship, 1985-87.

Publications:Journal Articles

- * 1. M.P. Mims, J.S. Olson, I.M. Russu, S. Miura, T.E. Cedel, & C. Ho (1983) Proton NMR Studies of Isonitrile-Heme Protein Complexes. *J. Biol. Chem.* 258:6125-6134.
2. M.P. Mims, A.G. Porras, J.S. Olson, R.W. Noble, & J.A. Peterson (1983) Ligand Binding to Heme Proteins: An Evaluation of Distal Effects. *J. Biol. Chem.* 258: 14219-14232.
3. J.S. Olson, R.E. McKinnie, M.P. Mims, and D.K. White (1983) Alkyl Isocyanide Binding to Pentacoordinate Protoheme. *J. Am. Chem. Soc.* 105: 1522-1527.
4. M.P. Mims, J.R. Guyton, & J.D. Morrisett (1986) Microemulsions of Cholesteryl Oleate and Dimyristoyl Phosphatidylcholine: A Model for Cholesteryl Ester Rich Very Low Density Lipoproteins. *Biochemistry* 25: 474-483.
5. M.P. Mims, M.V. Chari, & J.D. Morrisett (1986) Motion and Surface Accessibility of Spin Labelled Lipids in a Model Lipoprotein Containing Cholesteryl Oleate, Dimyristoylphosphatidylcholine and Apolipoprotein E. *Biochemistry* 25: 7494-7501.