



Karen Reiser, M.D.

Clinical Interests	Dr. Reiser's research interests focus on nonlinear optical imaging and tissue engineering.
Title	Research Biochemist
Specialty	Neurological Surgery
Department	Neurological Surgery
Division	Neurological Surgery
Education	M.D., UC Davis School of Medicine, Sacramento, California, 1974 B.A., Bryn Mawr College, Bryn Mawr, Pennsylvania, 1967
Professional Memberships	American Diabetes Association American Federation for Clinical Research American Occupational Medicine Association American Thoracic Society Gerontological Society of America
Honors and Awards	Lilly Prize for endocrine research, 1985 Joan Oettinger Memorial Award, 1984 Loren D. Carlson Award for best research by a senior medicine student, 1974 B.A., magna cum laude, with honors, 1967
Select Recent Publications	Tian J, Ishibashi K, Reiser K, Grebe R, Biswal S, Gehlbach P, Handa JT. Advanced glycation endproduct - induced aging of the retinal pigment epithelium and choroid: A comprehensive transcriptional response. <i>Proc Natl Acad Sci</i> , 102(33):11846-51, Aug 16, 2005. USA. Epub Aug 4, 2005. PMID: 16081535 [PubMed - In Process]. Wagner DR, Reiser KM, Lotz JC. Glycation increases human annulus fibrosus stiffness in both experimental measurements and theoretical predictions. <i>J Biomech</i> , 2005. (In Press - epub) Ida H, Ishibashi K, Reiser K, Hjelmeland LM, Handa JT. Ultrastructural aging of the RPE-Bruch's membrane-choriocapillaris complex in the D-galactose-treated mouse. <i>Invest Ophthalmol Vis Sci</i> , 45(7):2348-54, Jul 2004. PMID: 15223816. Reiser KM, Rocha-Mendoza I, Wang M, Yankelevich DR, Bratton C, Knoesen A, Lotz JC, Liebenman E. Polarization-modulated second-harmonic generation imaging: Method for quantitative assessment of disorganization in anulus. [Conference Paper] Conference Proceedings.



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Mullick AE, Walsh BA, Reiser KM, Rutledge JC. Chronic estradiol treatment attenuates stiffening, glycooxidation and permeability in rat carotid arteries. *Am J Physiol Heart Circ Physiol*, 281(5): H2204-10, 2001.

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