



## Karen Reiser, M.D.

<b>Clinical Interests</b>	Dr. Reiser's research interests focus on nonlinear optical imaging and tissue engineering.
<b>Title</b>	Research Biochemist
<b>Specialty</b>	Neurological Surgery
<b>Department</b>	<a href="#">Neurological Surgery</a>
<b>Division</b>	Neurological Surgery
<b>Education</b>	M.D., UC Davis School of Medicine, Sacramento, California, 1974 B.A., Bryn Mawr College, Bryn Mawr, Pennsylvania, 1967
<b>Professional Memberships</b>	American Diabetes Association American Federation for Clinical Research American Occupational Medicine Association American Thoracic Society Gerontological Society of America
<b>Honors and Awards</b>	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
<b>Select Recent Publications</b>	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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