

## CURRICULUM VITAE

Name: J. Samuel Zigler, Jr., Ph.D.

Place of Birth: Louisa, Virginia

Citizenship: United States of America

Education:

1964	Graduated from High School
1964-1968	B.A. (Biology) Bridgewater College, Bridgewater, VA
1968-1970	M.A. (Zoology) Duke University, Durham, NC
1972-1975	Ph.D. (Zoology) Duke University (Thesis: "Comparative Studies on a Heterogeneous Family of Vertebrate Lens Proteins - The $\beta$ -crystallins".)

Brief Chronology of Employment:

1968-1969	Research Assistant, Duke University Marine Laboratory
1969-1970	Teaching Assistant, Department of Zoology, Duke University
1972-1973	Teaching Assistant, Department of Zoology, Duke University
1975-1976	Research Associate, Department of Pediatrics, Duke University Medical Center
1976-1977	Associate, Department of Pediatrics, Duke Medical Center
1977-1982	Staff Fellow, Laboratory of Vision Research, National Eye Institute, National Institutes of Health, Bethesda, MD
1982-1986	Research Biologist, Laboratory of Vision Research, National Eye Institute, National Institutes of Health, Bethesda, MD
1986-1990	Head, Section on Cataract, Laboratory of Mechanisms of Ocular Diseases, National Eye Institute, National Institutes of Health, Bethesda, MD
1990-1994	Acting Chief, Laboratory of Mechanisms of Ocular Diseases, National Eye Institute, National Institutes of Health, Bethesda, MD
1994-2003	Chief, Laboratory of Mechanisms of Ocular Diseases, National Eye Institute, National Institutes of Health, Bethesda, MD
1994-2006	Head, Lens and Cataract Biology Section, NEI, NIH, Bethesda, MD
2007-2007	Visiting Scientist, Wilmer Eye Institute, The Johns Hopkins University School of Medicine, Baltimore, MD
2007-	Assistant Professor, Wilmer Eye Institute, The Johns Hopkins University School of Medicine, Baltimore, MD

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Societies:

American Association for the Advancement of Science  
Association for Research in Vision and Ophthalmology  
International Society for Eye Research

Honors & Other Special Recognition:

Magna cum laude Graduate  
Lambda Society (Honorary Academic Society) 1967  
Who's Who in Colleges and Universities 1968  
NSF Predoctoral Fellow, Duke University Marine Laboratory 1969  
Duke University Summer Research Fellowship 1973  
Rohto Cataract Research Award 1983  
Alcon Research Institute Award 1988  
Executive Editor, Experimental Eye Research, 1993-present  
Jin H. Kinoshita Lectureship, 1993

Research Interests:

Mechanisms of cataract development  
Structure, function and evolution of lens crystallins  
Comparative biochemistry of the  $\beta$ -crystallins  
Effects of aging and cataract development on lens proteins  
Oxidative stress and the ocular lens

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3. Zigler, J.S., Jr., Sidbury, J.B., Jr.: A comparative study of the  $\beta$ -crystallin from six mammals. Comp. Biochem. Physiol. 53B: 349-355, 1976.
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5. Zigler, J.S., Jr. and Sidbury, J.B., Jr.: A comparative study of the B-crystallins of four sub-mammalian species. Comp. Biochem. Physiol. 55B: 19-24, 1976.
6. Zigler, J.S., Jr. and Sidbury, J.B., Jr.: Studies on  $\beta$ -crystallin from primate lens. Invest. Ophthalmol. 15: 673-677, 1976.
7. Zigler, J.S., Jr. and Sidbury, J.B., Jr.: Studies on lens proteins from the smooth dogfish: Evidence for evolutionary conservatism in vertebrate  $\beta$ -crystallin. Ophthalmic Res. 8: 92-98, 1977.
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