

# CURRICULUM VITAE

## Shalesh Kaushal, MD, PhD

### Position/Employment

- 2000-2002 Assistant Professor, Department of Ophthalmology, University of Minnesota
- 2002-present Assistant Professor, Director Vitreoretinal Service, Dept of Ophthalmology, Univ of Florida
- 2002-present Richardson II Chair, Department of Ophthalmology, University of Florida
- 2006-present Chief Scientific Officer, FROPTIX, Inc.
- 2006-present Director, University of Florida Retina Center
- 2006-present Adjunct faculty, UF Center for Drug Discovery

### Education & Degrees

- 1976-79 Deerfield Academy, Deerfield, MA
- 1979-83 Yale University, New Haven, CT.  
B.S. with high honors in Biochemistry and Biophysics
- 1984-88 M.D. Johns Hopkins University School of Medicine, Baltimore, MD
- 1988-93 Ph.D. Massachusetts Institute of Technology, Cambridge, MA.  
Thesis Title: "Structure and Function of Rhodopsin Mutants Associated with Autosomal Dominant Retinitis Pigmentosa".  
Thesis Advisor: Dr. Har Gobind Khorana
- 1993-94 Intern, University of Vermont School of Medicine, Department of Medicine, Burlington, VT
- 1994-97 Resident, University of Southern California/Doheny Eye Institute, Los Angeles, CA
- 1997-99 Fellow, Barnes Retina Institute, Washington University, St. Louis, MO
- 1999-2000 Fellow, Professor Alan Bird, Moorfields Eye Hospital, London  
Fellow, Professor Shomi Bhattacharya, Institute of Ophthalmology.

### Research Experience

- 1978-79 University of Vermont School of Medicine, Department of Neuroanatomy
- 1980-81 University of Vermont School of Medicine, Medical Programmer
- 1989-93 M.I.T., Department of Chemistry
- 1999-00 Institute of Ophthalmology, Department of Molecular Genetics, London, England

### Appointments

- 1980-82 Publisher-in-Chief, Chief Executive and Co-Editor of "Yale Scientific Magazine"
- 1980-83 Director of College Volunteers at Yale-New Haven Hospital
- 1981-82 President of the Student Chapter of the American Chemical Society
- 1982-83 Freshman Counselor, Yale University
- 1986-88 Assistant Editor of "Medicine"
- 1991 Co-coordinator of Young Adult Retreat in Human Values for the Northeast Region
- 1988-93 Research Assistant, Department of Chemistry, M.I.T.
- 1993-94 Volunteer Instructor in Medicine, University of Vermont; Instructor, Howard Hughes Undergraduate Research Scholars Program (HELiX)
- 1994-97 Volunteer Instructor in Ophthalmology, University of Southern California
- 1999- British Retinitis Pigmentosa Society Scientific Review Committee
- 2000- Foundation Fighting Blindness Guest Member Scientific Advisory Board
- 2000-02 Executive Faculty, Institute of Human Genetics, University of Minnesota
- 2001-02 Scientific Advisory Board, Genome Center, University of Minnesota
- 2001-02 Member, Cancer Center, University of Minnesota
- 2001- Consultant 3M Corporation
- 2001- Consultant and Collaborator Alcon Corporation
- 2001- Reviewer, "Experimental Eye Research"

- 2001- Reviewer, "Investigative Ophthalmology and Vision Science"  
 2000- Clinical trials Organizing Committee for Inherited Retinal Diseases supported by  
 Foundation Fighting Blindness

**Awards/Recognitions (Honors, awards)**

- 1979 First Prize College Scholarship Massachusetts State Science Fair  
 1979 *Cum Laude* and Highest Scholarship in Science, Deerfield Academy  
 1983 Honors in Molecular Biophysics and Biochemistry, Yale University  
 1988 National Eye Institute Post-Doctoral Fellowship  
 1989-91 National Cancer Institute Post-Doctoral Fellowship  
 1995 Delegate to National Academy of Sciences Symposia on Vision Research  
 1996 Knight's Templar Foundation Grant  
 1997-00 Career Development Award, Foundation Fighting Blindness  
 1997 Heed Ophthalmic Foundation Fellowship  
 1998 American Ophthalmological Society-Knapp Fellowship  
 2001-04 Foundation Fighting Blindness Faculty Award  
 2001-05 Research to Prevent Blindness Career Development Award  
 2001 March of Dimes Basil O'Connor University of Minnesota Nominee  
 2001 University of Minnesota Culpeper Award (Rockefeller Foundation) Nominee

**Committees**

- 2002 – 2003 Ophthalmology resident candidate interviews  
 2002- present Operating Room Committee  
 2002-present Member, PhD Committee  
 2001-02 Member, Cancer Center, University of Minnesota  
 2001-02 Scientific Advisory Board, Genome Center, University of Minnesota  
 2000-present Foundation Fighting Blindness Guest Member Scientific Advisory Board  
 2000 Clinical Trials Organizing Committee for Inherited Retinal Diseases supported by  
 Foundation Fighting Blindness  
 1999 British Retinitis Pigmentosa Society Scientific Review Committee

**Board certification:**

American Board of Ophthalmology, November 2002

**Licensure:**

- Florida: #ME 86573, 12/4/2002 – present  
 Minnesota: #42418, 3/11/200 – present

**Teaching, Advising and/or instructional Accomplishments**

A. Course Lectures:

BMS 6811 Clinical Diagnosis; Ophthalmology Section "Ocular Emergencies/Trauma" (2005)

C. Residents trained and supervised

- 2002-2003 H. Vaishnav, Resident  
 2002-2003 M. Peden, Resident  
 2003-2004 T. Ramjattan, Resident  
 2004-2005 S. Iyer, Resident  
 2004-2005 J. Feistman, Resident

D. Pre-doctoral candidates trained:

- 2000-2002 G. Ghosh, Pre Doc,  
 2004-present R. Malhotra, Pre Doc

**E. Post-doctoral Fellow trained:**

2001-present	S. M. Noorwez, Post Doc
2000-2002	H. Chu, Post Doc
2000-2002	C. Chen, Post Doc
2000-2002	K. Smith, Post Doc
2004-2006	H. Vaishnav
2004-2006	W. Lara
2006-present	A. Gohari

**F. Undergraduate students supervised for honors thesis and research projects:**

2000-2002	M. Clinton, Undergrad
2002-2004	C. Clark, Undergrad- senior research/thesis project
2004-present	H. Lee, Undergrad
2004-present	A. Al-Rajhi, Undergrad
2005-present	A. Patel, Undergrad
2005-present	R. Khalani, Undergrad

**G. High School student mentored:**

2003-2004	N. Nathan, high school student
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**Graduate Committee Activities**

**A. PhD Committee Chairperson**

2004-Present	Ritu Malhotra	Thesis “Autophagy and Membrane Protein Degradation”
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**B. PhD Committee Member**

2004-Present	Jeffery Harris	Thesis “ Stem Cells and the Retina”
2004-Present	Lee Ferguson	Thesis “Gene Therapy for Neovascular Diseases”

**Graduate Faculty Status**

Biochemistry	Genetics
Molecular	Molecular Biology Genetics
Cell Biology	Pediatrics Department

**Professional Appointments and Society Memberships**

2006	The Macula Society
2004	The American Society For Cell Biology
2004	American Society of Retina Specialists
2000-Present	Cibis Club
1998	Ophthalmic Genetics Study Group
1998	American Association of Physicians of Indian Origin
1996-Present	American Academy of Ophthalmology
1996-Present	All India Ophthalmological Society
1994-Present	ARVO
1982-Present	Skull and Bones Honorary Society, Yale University
1993-Present	Sigma Xi Research Society

**SERVICE TO SCHOOLS**

2002-	Young Scientist Roundtable. Minnesota.
2005-	Career Day – Williams Elem. School

**Consultations Outside the University**

2005-present	Consultant -Novartis Pharmaceuticals
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2005-present	Consultant- Alcon Advisory Board
2005-	Consultant and Collaborator IVAX Pharmaceuticals
2004-present	Consultant and Collaborator Allergan Corporation
2001-present	Consultant and on Advisory Board Alcon Corporation
2001-2002	Consultant 3M Corporation

### **International activities**

2000-present Invited surgeon, Sri Sathya Sai Institute of Higher Medical Sciences, Puttaparthi, India

### **Editor or Reviewer of a Scholarly Journal, Service on an Editorial Advisory Board**

2001- present	Reviewer, “Experimental Eye Research”
2001- present	Reviewer, “Investigative Ophthalmology and Vision Science”
2002-present	Reviewer, “Journal of Biological Chemistry”
2002-present	Reviewer, “Biochemistry”
2004-present	Reviewer, “Molecular Vision”
2004-present	Reviewer, “Trends in Molecular Medicine”
2006-present	Reviewer, :Journal of Cell Biology”

### **Invited panelist, organizer or moderator**

6/2/2006 UF 1<sup>st</sup> Annual Symposia on Protein Misfolding Disorders  
University of Florida- College of Medicine  
Department of Neuroscience  
Sante Fe Health Alzheimer’s Disease Research Center  
Place: UF-HPNP Auditorium  
Role: Moderator/Speaker

2/27/2005 Pearls for Practice – “Medical Retina”  
University of Florida – College of Medicine  
Department of Ophthalmology  
Place: Paramount Resort & Conference Center  
Role: Organizer/Moderator

2/4/2005 Pearls for Practice - “Retina and Ocular Oncology”  
University of Florida – College of Medicine  
Department of Ophthalmology  
Place: Hilton UF Conference Center  
Role: Organizer/Moderator

2/20/2005 Pearls for Practice 2004 - “Retina”  
University of Florida – College of Medicine  
Department of Ophthalmology  
Place: Communicore Bldg, Rm C1-15, Gainesville, Fl  
Role: Organizer/Moderator

5/2/2003 Pearls for Practice 2003 - “Retina & Uveitis”  
University of Florida – College of Medicine  
Department of Ophthalmology  
Place: UF McKnight Brain Institute, RM LG 110  
Role: Organizer/Moderator

## Patent

- 2004 US PATENT APPLICATION NUMBER 10/801,078 Mutant Opsin Stabilization; approved
- 2005 US PATNET APPLICATION NUMBER 60/729, 182 Stem Cell Trafficking
- 2005 Provisional patent- Laser or Chemical Induced Stem Cell Recruitment to the Retina (2005)
- 2005 Provisional patent- Autophagy induced degradation of mutant proteins and aggregates associated with human disease
- 2005 Provisional patent- Materials and Methods for Autophagy induced degradation of mutant proteins and aggregates associated with human disease
- 2006 US PATENT APPLICATION NUMBER PCT/US2006/016368 – Materials and Methods for enhanced and degradation of mutant proteins associated with human disease
- 2006 US PATENT APPLICATION NUMBER 60/703,068 Small compounds that correct protein misfolding and uses thereof
- 2006 Provisional patent- Tetracycline Inducible Opsin Stable Cell Lines
- 2006 Provisional patent- Passive response augmentation to retinal take for sensing active retinal tissue
- 2006 Provisional patent- Computer assisted Pan Retinal Photo-coagulation Laser surgery
- 2006 Provisional patent-Device for diagnosing disease pathologies using statistical spectral signatures from the retina
- 2006 Provisional patent- Pharmacological recruitment of stem cells to the retina

## Publications- Book chapters, publications, abstracts

### A. Book Chapters

- 1) Besant, D. Kaushal, S. and Bhattacharya, S.S. Adler's Physiology of the Eye, 10<sup>th</sup> Ed. "Genetics and Biology of the Inherited Retinal Dystrophies" Section 8, Chapter 12, Mosby publishing 2003, pgs 358-381. ISBN 0-0323-01136-5.
- 2) American Academy of Ophthalmology, focal Point; "Clinical Utility of Electrophysiology" (in process).
- 3) BCSC Chapters 6-7 (2005) Galley-proof submitted.

### B. Refereed Publications

- 1) Pang J, Chang B, Hawes NL, Hurd RE, Davisson MT, Li J, Noorwez SM, Malhotra R, McDowell JH, Kaushal S, Hauswirth WW, Nusinowitz S, Thompson DA, Heckenlively JR. Retinal Degeneration 12 (*rd12*): A New, Spontaneously Arising Mouse Model for Human Leber Congenital Amaurosis (LCA) *Molecular Vision* 2005; 11:152.62..
- 2) Jijing Pang, Bo Chang, Ashok Kumar, Syed M. Noorwez, Jie Li, Asha Rani, Thomas C. Foster, <sup>2</sup>Norm Hawes, Steven Nusinowitz, Ron Hurd, Muriel Davisson, John Heckenlively, Vince A Chiodo, Thomas Doyle, Ritu Malhotra, J. Hugh McDowell, Qiouhong Li, Shalesh Kaushal, Adrian M. M. Timmers and William W. Hauswirth "Gene Therapy Restores Retinal Structure, Function and Vision-Dependent Behavior in a Mouse Model of RPE65 Leber Congenital Amaurosis", (Accepted) *Mol. Ther.* 2005
- 3) Bo Chang, Ji-jing Pang, Norman L. Hawes, Ronald E. Hurd, Muriel T. Davisson, Syed M. Noorwez, Ritu Malhotra, J. Hugh McDowell, Shalesh Kaushal, Jie Li, William W. Hauswirth, Steven Nusinowitz, Debra A. Thompson, and John R. Heckenlively. "Retinal Degeneration 12 (*rd12*): A New, Spontaneously Arising Mouse Model for Human Leber Congenital Amaurosis (LCA)", *Mol. Vis.* (2005).
- 4) Krebs MP, Noorwez SM, Malhotra R, Kaushal S. Quality control of integral membrane proteins. *Trends Biochem Sci.* 2004 12:648-55.

- 5) Noorwez, M.S., Malhotra, R., McDowell, J.H., Smith, K.A., Krebs, M.P. Kaushal, S. (2004) Retinoids Assist the Cellular Folding of the Autosomal Dominant Retinitis Pigmentosa Opsin Mutant P23H. *J. Biol. Chem.* 279:16278-84.
- 6) Francis P, Robson AG, Holder G, Moore A, Francis P, Moore A, Kaushal S. (2003) Inherited retinal dystrophy and asymmetric axial length. *Br J Ophthalmol.* 87:503-4.
- 7) Noorwez MS, Kuksa V., Imanishih Y, Filiek S, Palczewski K, Kaushal S. (2003) Pharmacological chaperone mediated in-vivo folding and stabilization of the P23H opsin mutant associated with autosomal dominant retinitis pigmentosa (ADRP). *J Biol Chem.* 278:14442-50.
- 8) Berry, V., Francis, P., Kaushal, S., Moore, A., and Bhattacharya, S.S. (2000). Missense Mutations in MIP Underlie Autosomal Dominant ‘Polymorphic’ and Lamellar Cataracts Linked to 12q. *Nat. Genet.* 25:15-17.
- 9) Kaushal, S. and Khorana, H.G. (1994). Structure and Function in Rhodopsin. 7 Point Mutations Associated with Autosomal Dominant Retinitis Pigmentosa. *Biochemistry* 33:6121-6128.
- 10) Kaushal, S. Ridge, K.D., and Khorana, H.G. (1993). Structure and Function in Rhodopsin: The Role of Asparagine-linked Glycosylation. *Proc. Natl. Acad. Sci. USA* 91:4024-4028.
- 11) Jeffrey R Harris, Gary AJ Brown, Marda Jorgensen, Shalesh Kaushal, E Ann Ellis, Maria B Grant, Edward W Scott. "Bone-Marrow Derived Cells Home To and Regenerate Injured Retinal Pigment Epithelium". *Invest. Ophthalmol. Vis. Sci.* 2006 47: 2108-2113.
- 12) Mathew A. Cunningham, Jeffrey L. Edelman, Shalesh Kaushal. "Intravitreal Steroids for Macular Edema: The past, the present and the future." 2006 (*Accepted*) Survey of Ophthalmology.

#### C. Abstracts

- 1) Altomare, F., Hubbard, G.B., **Kaushal, S.**, and Thomas, M.A. (1999). Foveal Translocation to Rescue Central Neurosensory Tissue Following Subretinal Choroidal Neovascular Membranectomy. *IOVS* 40(4): S206.
- 2) **Kaushal, S.**, Smith, M., Altomare, F., Hubbard, B., and Thomas, M.A. (1999). Advanced Glycation End Products in Choroidal Neovascular Membranes. *IOVS* 40(4):S318.
- 3) Hubbard, G., Altomare, F., **Kaushal, S.**, Joseph, D.P., Holekamp, N.M., and Thomas M.A. (1999). Foveal Translocation With and Without Removal of Choroidal Neovascular Membranes. *IOVS* 40(4):S207.
- 4) **Kaushal, S.**, Vemura, A., and Thomas, M.A. (1998). Long-term Visual Outcome After Surgical Removal of Choroidal Neovascular Membranes in Age-Related Macular Degeneration. *IOVS* 39(4):S226.
- 5) **Kaushal, S.**, Uemura, A., and Thomas, M.A. (1998). Long-term Visual Outcome after Surgical Removal of Choroidal Neovascular Membranes in Age-Related Macular Degeneration. *IOVS* 39:226.
- 6) **Kaushal, S.**, and Rao, N.A. (1995). Localization of Chaperones in the Photoreceptor Cells of the Retina. *IOVS* 36S:8512.

#### Lectures, Speeches or Posters presented at professional conferences/meetings

##### A. International Meeting/ Poster Presentations

- 1) Invited Lectures
- 2007 3<sup>rd</sup> Cell Stress Society international Congress on Stress Responses in Biology and Medicine- Budapest, Hungary. "Presentation title - TBA".
- 2006 Combined Meeting - Club Jules Gonin & the Retina Society Conference. Cape Town, South Africa. "Developing Drug Therapy for Retinal Degeneration."
- 2006 A Symposium celebrating 25 years of the SRI SATYA SAI Institute for Higher Learning., Puttaparthi, India. "Manipulating the Intracellular fate of Misfolded Opsin associated with Retinitis Pigmentosa".

- 2005 Gordon Conference: Autophagy and the Stress Response, Ill Ciocco. Barga, Italy. Preferential Degradation of Misfolded Polytopic Integral Membrane Proteins by Autophagy.
- 2005 University of Alberta, Canada, Ontario, "Membrane Protein Stability and Pharmacological Chaperones".
- 2004 Toronto Sick Children's Hospital, Toronto, Ontario, "Membrane Protein Stability and Pharmacological Chaperones".

## 2. Invited Posters

### 2006

-J. Pang, B. Chang, S. Nusinowitz, J.H. McDowell, S.M. Noorwez, V.A. Chiodo, T. Doyle, Q. Li, S. Kaushal and W.W. Hauswirth. Gene Therapy in the Three Month-Old *rd12* Mouse, a Model for Mid-Course RPE65 Leber Congenital Amaurosis, Leads to Long-Term Vision Restoration". Abstract, Association for Research in Vision and Ophthalmology, 2006.

### 2005

- S. Kaushal, B. Noorwez, S. M. Noorwez. Intracellular Fate of Wild-Type and P23H Rhodopsin. Abstract, Association for Research in Vision and Ophthalmology, 2005.
- Ritu Malhotra<sup>1</sup>, W.A. Dunn<sup>2</sup>, Shalesh Kaushal<sup>1</sup>. Role of Autophagy in the Preferential Degradation of P23H Opsin. Abstract, Association for Research in Vision and Ophthalmology, 2005.
- Lara WC, Vaishnav H, Feistmann JA, Ratnakaram R, Kaushal S. Comparison of Anterior Chamber Paracentesis versus Digital Ocular Massage for Lowering Intraocular Pressure Immediately Following Intravitreal Kenalog Injection. Abstract, Association for Research in Vision and Ophthalmology, 2005.
- Nichols C, Vaishnav H, Lara WC, Feistmann JA, Ratnakaram R, Kaushal S. Does Silicone Oil Use in Retina Surgery Induce Glaucoma? Abstract, Association for Research in Vision and Ophthalmology, 2005.
- Connor M, Vaishnav H, Lara WC, Feistmann JA, Ratnakaram R, Kaushal S. Comparison of Barely Threshold versus Minimal Energy Macular Focal/Grid Argon Laser Photocoagulation for Clinically Significant Macular Edema. Abstract, Association for Research in Vision and Ophthalmology, 2005.
- M. P. Krebs, S. M. Noorwez, C. L. Clark, R. Malhotra, S. Kaushal. Thermal Stability of Pharmacologically-Rescued Mutant Rhodopsins Correlates with Their Autosomal Dominant Retinitis Pigmentosa Phenotype. Abstract, Association for Research in Vision and Ophthalmology, 2005.
- J.A. Feistman, A. Neelakantan, H.D. Vaishnav, W.C. Lara, S. Kaushal, Conway, R. Ratnakaram. Topical Steroid Challenge Prior to Intravitreal Kenalog Injection: Does it prevent IOP spikes. Abstract, Association for Research in Vision and Ophthalmology, 2005
- N. Sengupta, A. Caballero, S.M. Sullivan, W.W. Hauswirth, S. Kaushal, J.X. Ma, M.B. Grant. Hematopoietic Stem Cells Differentiate Into Retinal Pigment Epithelium Cells Following Sodium Iodate Injury. Abstract, Association for Research in Vision and Ophthalmology, 2005

### 2004

Association for Research in Vision and Ophthalmology (ARVO)- 1 abstract  
 S. Kaushal, SM Noorwez, R. Malhotra, JH McDowell, KA Smith, MP Krebs. Retinoids Assist the Cellular Folding of the Autosomal Dominant Retinitis Pigmentosa Opsin Mutant P23H. Abstract, Association for Research in Vision, 2004.

American Society of Cell Biology- 1(abstract) S. Kaushal. Role of autophagy in the degradation of misfolded P23H opsin aggregates. American Society Cell Biology, 2004.

### 2003

Lara WC, Jordan BL, Hope GM, Dawson WW, Foster RA, Kaushal S. Fast Oscillations of the Electro-oculogram in Cystic Fibrosis. Poster, Association for Research in Vision and Ophthalmology, 2003 Annual Meeting.

## B. National Meeting Poster Presentations

## 1. Invited Lectures

- 2007 University of Michigan, Department of Ophthalmology. "Rapamycin Slows Retinal Degeneration in Mouse Models of Rhodopsin Retinitis Pigmentosa."
- 2006 Purdue University, West Lafayette, IN, "Manipulating the Cellular Fate of Misfolded P23H Opsin associated with Retinal Degeneration"
- 2006 29<sup>th</sup> Annual Macula Society Conference, North San Diego, CA. "Pharmacological Manipulation of the Intracellular Fate of Misfolded P23H OPSIN"
- 2005 NEI/NIH, Bethesda, Maryland, "Small Molecule Targeting of Cellular Pathways Controlling the Fate of Mutant Opsins Associated with Retinitis Pigmentosa".
- 2005 Albert Einstein School of Medicine, New York, NY. Preferential Degradation of Polytopic Integral Membrane Proteins by Autophagy.
- 2005 Iridex Corporation, Mountainview, CA, "Stem Cells and the Retina".
- 2004 Genzyme Corporation, Boston, Massachusetts, "Membrane Protein Stability and Pharmacological Chaperones".
- 2004 University of Pennsylvania, Philadelphia, Penn., "Membrane Protein Stability and Pharmacological Chaperones".
- 2004 Washington University School of Medicine, St. Louis, MI, "Membrane Protein Stability and Pharmacological Chaperones".
- 2004 Cold Spring Harbor Symposium on Protein Folding and the Stress Response; Molecular Chaperones and the Heat Shock Response (Oral presentation) Retinoids Assist the Cellular Folding of the Autosomal Dominant Retinitis Pigmentosa Opsin Mutant P23H- Syed M. Noorwez, Ritu Malhotra, J. Hugh McDowell, Karen A. Smith, Mark P. Krebs and Shalesh Kaushal
- 2003 American Society for Photobiology, Baltimore, Pharmacological Assisted Folding of P34H Opsin".
- 2002 Washington State Ophthalmological Society, Seattle, Washington, "Inherited Retinal Diseases".
- 2001 University of Illinois, Departments of Biotechnology and Ophthalmology, Boston, "Biochemical Characterization of Rhodopsin Mutants associated with Autosomal Dominant Retinitis Pigmentosa".
- 2001 UCSF, Graduate Student Biochemistry Seminar, San Francisco, "Biochemical Characterization of Rhodopsin Mutants associated with Autosomal Dominant Retinitis Pigmentosa".
- 1997 Allergan Corporation meeting on neuroprotective agents in degenerative diseases. "Rhodopsin Associated Retinitis Pigmentosa"
- 1996 Amgen sponsored national meeting on drug therapy to the eye. Thousand Oaks, "Retinal Drug Therapy"

### Regional Meetings

- 2005 Neurology Grand Rounds, Department of Neurology, UF HSC- Jacksonville, Fl. "Retinal Degeneration: Clinical Manifestation and Therapeutic Approaches".

### Local Meetings/Posters

- Lecture - S. Kaushal. "Pharmacological manipulation of the intracellular fate of a misfolded protein". UF College of Med. Dept of Neuroscience. Santa Fe Health Alzheimer's Disease Research Center. First Annual Symposia on Protein Misfolding Disorders. (2006)
- Lecture - S. Kaushal. "Retinal Diseases and Current Management". Ocala, Fl. Sponsored by Alcon Pharmaceuticals. (2005)
- Lecture - S. Kaushal. "Small Molecule Targeting of Cellular Pathways Controlling the Fate of Mutant Opsins Associated with Retinitis Pigmentosa". UF Biochemistry's Tuesday Afternoon Faculty Research Discussion, Gainesville, Fl 2005.
- Poster - M. Krebs, S. Kaushal. "Molecular Basis and Pharmacological Treatment of Protein Conformational Disease". Dept of Anatomy and Cell Biology. UF Molecular Cell Biology Faculty Presentation Day, Gainesville, Fl 2005.