Lucian V. Del Priore, M.D., Ph.D.

CURRICULUM VITAE

**Name:**  Lucian V. Del Priore, M.D., Ph.D.

**Proposed for:** Professor of Ophthalmology & Visual Science in the Clinician Scholar Track

**Term:**  Beginning July 1, 2016

**School:**  Yale University School of Medicine

**Reason for appointment:** New Chair of the Department of Ophthalmology & Visual Science

**Education:**

B.S. Cooper Union for the Advancement of Science and Art (Physics) 1975

M.S. Cornell University (Physics) 1977

M.D. The University of Rochester School of Medicine and Dentistry 1982

Ph.D. Cornell University 1984

**Career/Academic Appointments:**

1983-84 Intern, Internal Medicine, Greater Baltimore Medical Center, Baltimore, MD

1984-87 Resident, Ophthalmology, The Wilmer Eye Institute, Baltimore, MD

1987-88 Postdoctoral Fellow in Glaucoma, The Wilmer Eye Institute, Baltimore, MD

1988-89 Postdoctoral Fellow in Vitreoretinal Surgery and Assistant Surgeon, The Wilmer Eye Institute, The Johns Hopkins Hospital, Baltimore, MD

1989-91 Instructor in Ophthalmology and Attending Physician, The Wilmer Eye Institute, The Johns Hopkins Hospital, Baltimore, MD

1989-91 Attending Surgeon, The Wilmer Eye Institute, The Johns Hopkins Hospital, Baltimore, MD and Washington Hospital Center, Washington, DC

1991-98 Assistant Professor of Ophthalmology and Visual Sciences, Washington University School of Medicine, St. Louis, MO

1991-98 Assistant Professor of Biochemistry and Molecular Biophysics, Washington University School of Medicine, St. Louis, MO

1998-98 Attending Ophthalmologist, Barnes Hospital at Washington University Medical Center, Barnes West County Hospital, Saint Louis Children’s Hospital, The Jewish Hospital of Saint Louis, Veterans Administration Hospital, Saint Louis, MO

1998-01 Attending Ophthalmologist, University Hospital, Newark, NJ

1998-99 Associate Professor of Ophthalmology and Visual Sciences, Washington University School of Medicine, St. Louis, MO

2000-05 Associate Professor of Ophthalmology and Robert L. Burch III Scholar, Columbia University, New York, NY

2000-11 Attending Ophthalmologist, New York Presbyterian Hospital, New York, NY

2006-11 Professor, Clinical Ophthalmology, Department of Ophthalmology and Robert L. Burch III Scholar, Columbia University, New York, NY

2009-11 Member, Stem Cell Consortium, Columbia University, New York, NY

10/11-06/16 Pierre G. Jenkins Professor, Department of Ophthalmology, Albert Florens Storm Eye Institute, Professor, Department of Regenerative Medicine, Medical University of South Carolina, Charleston, SC,

10/11-06/16 Attending Ophthalmologist, Medical University of South Carolina, Charleston, SC

**Administrative Positions:**

July 2016 Professor and Chairman, Department of Ophthalmology & Visual Science, Yale University School of Medicine

2011-15 Professor and Chairman, Department of Ophthalmology, Director, Albert Florens Storm Eye Institute, Medical University of South Carolina, Charleston, SC

1998-00 Chief of Vitreoretinal Surgery, Associate Professor of Ophthalmology, Associate Professor of Neurosciences, University of Medicine and Dentistry of New Jersey, Newark, NJ

1991-98 Co-Director, Vitreoretinal Surgery Fellowship Program, Washington University School of Medicine

**Board Certification:**

American Board of Ophthalmology, 1989

National Board of Medical Examiners, 1984

**Professional Honors & Recognition:**

2012 Distinguished Alumnus Award, The Wilmer Ophthalmological Institute

2002-13 America’s Top Doctors, Castle Connolly Medical Limited, Second Ed.

2008, 09, 10 New York Super Doctors, supplement to New York Times

2009 Senior Honor Award, American Society of Retina Specialists, New York

2009 Fellow of the Association for Research in Vision and Ophthalmology, Silver Level

2002-08 New York’s Top Doctors, New York Magazine

2005-06 Best Doctors in America

2004 Honor Award, the American Society of Retina Specialists

2002 Honor Award, The Vitreous Society

1999 Lew R. Wasserman Award, Research to Prevent Blindness

1999 Teacher of the Year Award, Ophthalmology, University of Medicine and Dentistry of New Jersey

1994 Honor Award, American Academy of Ophthalmology

1988-89 Heed/Knapp Foundation Fellow

1987-88 Heed/Knapp Foundation Fellow

1977-79 Medical Scientist Training Program Fellow, University of Rochester

1976-77 Biophysics Fellow, Cornell University

1974 Sigma Pi Sigma

1971-75 Board of Regents Scholar, New York State

**Current Grants**

Agency: Research to Prevent Blindness

I.D.#:

Title:

P.I.: Lucian V. Del Priore, M.D., Ph.D

Percent Effort:

Direct costs per year: $115,000

Total costs for project period:

Project Period: 7/1/11 - present

Greater New York Center for Retinal Degenerative Disease

**Past Grants**

Agency: Greater New York Center for Retinal Degenerative Disease

Foundation Fighting Blindness

I.D.#:

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Percent Effort:

Total costs for project period: $1,500,000

Project Period: 7/1/2010 – 6/30/2015

Agency: Robert L. Burch III Fund, Columbia University – Unrestricted Funds to Support Research in Age-related Macular Degeneration

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Total costs for project period: $130,000

Project Period: 1/1/2002 – 9/20011

Agency: Beckman Institute for Macular Research

Title: Generation of a Murine Model of Geographic Atrophy and Its treatment with Embryonic Stem Cell Transplantation

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Total costs for project period: $100,000

Project Period: 7/1/2010 – 6/30/2011

Agency: Hickey Family Foundation

Title: Embryonic Stem Cell Differentiation in Retinal and RPE Progenitors

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Total costs for project period: $497,214

Project Period: 3/1/2008 – 2/28/2011

Agency: Greater New York Center for Retinal Degenerative Disease

Foundation Fighting Blindness

P.I.: Lucian V. Del Priore, M.D., Ph.D, Columbia University component

Total costs for project period: 1,683,223

Project Period: 7/1/2005 – 6/30/2010

Agency: The Macula Foundation

Title: Stem Cell Transplantation for Retinal Degenerations

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Total costs for project period: $75,000

Project Period: 1/2006 – 12/2008

Agency: Hickey Family Foundation

Title: Laser-induced and chemical rejuvenation of aged collagen

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Total Costs for project period: $300,000.

Project Period: 3/1/2005 - 2/28/2008

Agency: Eye Surgery Fund, Columbia University

Title: Unrestricted Funds to Support Eye Research

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Total costs for project period: $140,000.

Project Period: 1/1/2002 – 12/2006

Agency: Greater NY Center for the Study of Retinal Degeneration: Columbia University Center

Foundation Fighting Blindness

Title: Module X Binding of Human RPE to Diseased Human Bruch’s Membrane in Organ Culture

P.I.: Lucian V. Del Priore, M.D., Ph.D. for Module X

Total costs for project period: $1,085,584. for Modules X-XII; $425,627. for module X-XII

Project Period: 7/1/2001 – 6/30/2005

Agency: Diacrin Inc., Charlestown, Massachusetts

Title: Xenotransplantation of Fetal Porcine RPE into the Rabbit Eye

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Total costs for project period: $81,543.

Project Period: 2/1/2001 – 12/31/2002

Agency: American Health Assistance Foundation

Title: Effect of Extracellular Matrix Ligands on RPE Attachment to Bruch’s Membrane

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Total costs for project period: $137,000.

Project Period: 4/1/1999 – 3/30/2002

Agency: National Eye Institute, National Institute of Health

I.D.# R01

Title: Transplantation of Retinal Pigment Epithelium

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Percent Effort: 40%

Direct costs per year: $411,228.63 (direct costs) for 1/1/94-12/31/96; $600,000 (approximate direct costs) for 1/1/97 to12/31/01

Project Period: 1/1/1994 – 12/31/2001, application in revision

Agency: RP Foundation Fighting Blindness

Title: Binding of Human Retinal Pigment Epithelium to Normal and Diseased Areas of Bruch’s Membrane in Organ Culture.

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Total costs for project period: $194,316

Project Period: 7/1/1999 – 6/30/2001

Agency: NIH Project

I.D.#: 5 U10 EY06280-11

Title: Collaborative Ocular Melanoma Study

P.I.: Principal Investigator/Director - Barbara Hawkins, PhD, Chairman- Stuart Fine, MD.

Role: P.I. at Washington University School of Medicine (part of multi-centered clinical trial)

Direct costs per year: $4,900. (Washington University component)

Project Period: 9/30/1985 – 7/31/2000

Agency: Fight for Sight postdoctoral fellowship award on behalf of Dr. Takehiko Suzuki.

Title: Transplantation of Retinal Pigment Epithelial Cells May Prevent Atrophy of the Choriocapillaris and Overlying Retina

Role: Supervised Postdoctoral Fellow

Total costs for project period: $14,000.

Project Period: 7/1/1999 – 6/30/2000

Agency: Research to Prevent Blindness

Title: Lew R. Wasserman Award

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Total costs for project period: $55,000.

Project Period: 6/16/99 – 8/2000

Title: Postdoctoral Fellowship Supplement

Agency: UMDNJ Foundation

Role: Supervised Postdoctoral Fellow

Total costs for project period: $5,000.

Project Period: 7/1/1999 – 6/30/2000

Agency: New Jersey Fund for the Blind

Title: Role of Bruch’s Membrane in Age-Related Macular Degeneration

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Total costs for project period: $2500.

Project Period: 10/1/99 – 10/1/2000

Agency: RP Foundation Fighting Blindness

Title: Binding of Human Retinal Pigment Epithelium to Normal and Diseased Areas of Bruch’s Membrane in Organ Culture

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Total costs for project period: 240,000.

Project Period: 1/1/1996 – 12/31/1998

Agency: American Diabetes Association

Title: Growth Factor Release after Laser Photocoagulation of the Retinal Pigment Epithelium

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Total costs for project period: $100,000.

Project Period: 1/1/1995 – 6/30/1997

Agency: Diabetes Research Training Center, Washington University

Title: Laser-Induced Biochemistry of Retinal Pigment Epithelium

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Total costs for project period: $20,000.

Project Period: 12/1/1993 – 11/30/1994

Agency: American Federation for Aging Research

Title: Transplantation of Pig Retinal Pigment Epithelium

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Total costs for project period: $25,000.

Project Period: 7/1/1993 – 6/30/1994

Agency: National Institutes of Health

Title: Individual National Research Service Award

Role: Post-doctoral Fellow

Percent Effort: 9%

Total costs for project period: $29,004

Project Period: 7/1987 – 6/1988

Agency: Diacrin Inc

Title: Transplantation of Fetal Porcine Retinal Pigment Epithelium into the Adult Porcine Eye

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Total costs for project period: $80,000.

Project Period: 12/1/1997 – 8/1/1998

Agency: The Kemper Foundation, Kansas City, MO

Title: Transplantation of Retinal Pigment Epithelium in Age-related Macular Degeneration

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Total costs for project period: $50,000.

Project Period: 4/1/1997 – 8/1/1998

Agency: NIH

I.D.#: NIH P60 DK20579

Title: Diabetes Research Training Grant

P.I.: Dr. David Kipnis

Role: Consulting Ophthalmologist

Percent Effort: 9%

Project Period: 12/1/1992 – 11/30/1997

**Current Clinical Trials**

Agency: Second Sight Medical Products

I.D.#:

Title:

P.I.: Lucian V. Del Priore, M.D., Ph.D

Percent Effort:

Direct costs per year:

Total costs for project period:

Project Period:

Agency: Advanced Cell Technology

I.D.#:

Title:

P.I.: Lucian V. Del Priore, M.D., Ph.D.

Percent Effort:

Direct costs per year:

Total costs for project period:

Project Period: May 2011 – forward

Agency: NIH/NEI

I.D.#:

Title: Action to Control Cardiovascular Risk in Diabetes (The ACCORD Study)

P.I.: William Schiff, MD

Role: Co-investigator

Percent Effort:

Direct costs per year:

Total costs for project period:

Project period:

Agency: NIH/NEI

I.D.#:

Title: Two Randomized Trials to Compare the Efficacy and Safety of Intravitreal Injection(s) of Triamcinolone Acetonide with Standard Care to Treat Macular Edema: One for Central Retinal Vein Occlusion and One for Branch Retinal Vein Occlusion (The SCORE Study)

P.I.: William Schiff, M.D.

Role on Project: Co-investigator

Percent Effort:

Direct costs per year:

Total costs for project period:

Project period: IRB approval obtained

Agency: Allergan, Inc.

I.D.#:

Title: A 3-Year, Phase 3, Multicenter, Masked, Randomized, Sham-controlled Trial to Assess the Safety and Efficacy of 700 mcg and 350 mcg Dexamethasone Posterior Segment Drug Delivery System (DEX PS DDS) Applicator System in the Treatment of Patients with Diabetic Macular Edema (POSURDEX in Diabetic Macular Edema)

P.I.: William Schiff, M.D.

Role on Project: Co-investigator

Percent Effort:

Direct costs per year:

Total costs for project period:

Project period: IRB approval obtained

Agency: Allergan, Inc.

I.D.#:

Title: A 3-Year, Phase 3, Multicenter, Masked, Randomized, Sham-controlled Trial to Assess the Safety and Efficacy of 700 mcg and 350 mcg Dexamethasone Posterior Segment Drug Delivery System (DEX PS DDS) Applicator System in the Treatment of Patients with Diabetic Macular Edema (POSURDEX in Diabetic Macular Edema)

P.I.: William Schiff, MD

Role on Project: Co-investigator

Percent Effort:

Direct costs per year:

Total costs for project period:

Project period: Pending CUMC IRB approval

Agency: NIH/NEI

I.D.#:

Title: Diabetic Retinopathy Clinical Research Network (DRCRNet) Protocol #3: Temporal Variation in Optical Coherence Tomography Measurements of Retinal Thickening in Diabetic Macular Edema (OCT in DME)

P.I.: Gaetano Barile, MD

Role on Project: Co-investigator

Percent Effort:

Direct costs per year:

Total costs for project period:

Project period: CUMC IRB approval obtained

Agency: NIH/NEI

I.D.#:

Title:

DRCRNet Protocol #2: A Randomized Clinical Trial Comparing Intravitreal Triamcinolone Acetonide and Laser Photocoagulation for Diabetic Macular Edema (IVTA for DME

P.I.: Gaetano Barile, MD

Role on Project: Co-investigator

Percent Effort:

Direct costs per year:

Total costs for project period:

Project period: Pending CUMC IRB approval

**Invited Speaking Engagements, Presentations, Symposiums, Workshops**

2016: PCS Global Cell Science and Stem Cell Conference: A Pathway from Basic Sciences to Industrialization, Barcelona, Spain, “Stem Cell Therapy for Retinal Degenerative Diseases: What Have We Learned?”

2016: Association for Research in Vision and Ophthalmology, Seattle, WA, “Altered Transepithelial Resistance of Induced Pluripotent Stem Cell (iPSC)-derived Retinal Pigment Epithelium Obtained from Age-related Macular Degeneration (AMD) Patients”

2016: Association for Research in Vision and Ophthalmology, Seattle, WA, “Survivability and Surface Coverage of Human Retinal Pigment Epithelium on Aged Human Bruch’s Membrane Can Be Restored using Patch Grafts of Young Bruch’s Membrane”

2016: 8th Ocular Diseases Drug Discovery Conference, GTB Bio, San Diego, CA, “

Stem Cell Based Therapy for Retinal Diseases in Humans”

2016: State University of New York, Downstate Medical Center, Atlantic City, New Jersey, Current Concepts in Ophthalmology Atlantic City, New Jersey, “Anti-VEGF Treatment Paradigm”

2016: State University of New York, Downstate Medical Center, Atlantic City, New Jersey, Current Concepts in Ophthalmology “Why Cataract Surgery Patients are Unhappy Even With a Normal OCT”

2016: State University of New York, Downstate Medical Center, Atlantic City, New Jersey, Current Concepts in Ophthalmology, “Transforming Skin Cells into RPE for Transplantation”

2016: Macula 2016 meeting, New York, New York, “Subretinal Implants: Improving Survival”

2015: American Academy of Ophthalmology Subspecialty Day, Las Vegas, Nevada, “Survival of Transplanted RPE in a Hostile Environment: Is the Basement Membrane the Difference?”

2015: American Society of Retinal Specialists, Vienna, Austria, “Generation of Human Stem Cells from Patients with Advanced AMD”

2015: American Society of Retinal Specialists, Vienna, Austria, “Bruch's Membrane Aging Increases VEGF Release from RPE:  Implications for AMD”

2015: MaculaRT meeting, Paris, France, “Generation of Human Stem Cells from Patients with Advanced AMD”

2015: *Invest Ophthalmol Vis Sci* 56:E-Abstract PN 3992, “Multimodal molecular imaging of Bruch’s membrane can predict age and macular degeneration”

2015: *Invest Ophthalmol Vis Sci* 56:E-Abstract PN 3173, “Characterization of human stem cells generated from AMD patients”

2015: *Invest Ophthalmol Vis Sci* 56:E-Abstract PN 3580, “Mitochondrial metabolism and structural analysis of induced pluripotent stem cell (iPSC) derived RPE from age-related macular degeneration (AMD) patients”

2015: *Invest Ophthalmol Vis Sci* 56:E-Abstract PN 2343, “Reengineering human Bruch’s membrane increases rod outer segment phagocytosis by human retinal pigment epithelium”

2015: *Invest Ophthalmol Vis Sci* 56:E-Abstract PN 2400, “. Bruch's membrane aging reduces CD46 expression and enhances VEGF secretion in RPE: Implications for age-related macular degeneration”

2015: Macula Society, Scottsdale, AZ, “Frosted Branch Angiitis”

2015: Patients. Macula Society, Scottsdale, AZ, “Generation of Human Stem Cells from AMD”

2014: The Association for Mass Spectrometry: Applications to the Clinical Lab (MSACL). Salzburg, Austria, “Identification of Bruch’s membrane composition by imaging mass spectrometry”

2014: Association for Research in Vision and Ophthalmology, Orlando, FL, “Functional analysis of human induced pluripotent stem cell-derived retinal pigment epithelium”

2013: Association for Research in Vision and Ophthalmology, Seattle, WA, “Differentiation of human protein induced pluripotent stem cells (piPS) toward a retinal pigment epithelium (RPE) Fate”

2012: The Retina Society, Washington, D.C., “Infection of Human RPE with Adenovirus Causes Cell Death: A Model for Geographic Atrophy?”

2012: New Jersey Academy of Ophthalmology, Ophthalmology Update 2012,East Windsor, New Jersey, “The Next Frontier”

2012: New Jersey Academy of Ophthalmology, Ophthalmology Update 2012, East Windsor, New Jersey, “How to Suture a Secondary IOL: Lessons for the Anterior Segment Surgeon from a Retinal Perspective”

2012: New Jersey Academy of Ophthalmology, Ophthalmology Update 2012, East Windsor, New Jersey “Dry AMD: The Next Frontier in Pharmacotherapy”

2012: 30th Annual meeting, American Society of Retinal Specialists, Las Vegas, NV, “Emerging Treatments for Geographic Atrophy Special Interest Group”

2012: 30th Annual meeting, American Society of Retinal Specialists, Las Vegas, NV, “Bruch's Membrane Aging Reduces Removal of Damaged Cellular Components in RPE: Implications for Age-related Macular Degeneration”

2012: 30th Annual meeting, American Society of Retinal Specialists, Las Vegas, NV, “Human Adenovirus Infection Induces RPE Death: Implications for the Pathogenesis of Atrophy”

2012: Kiawah Eye 2012, Kiawah, South Carolina, “Advances in the Treatment of Dry Age-related Macular Degeneration”

2012: Spanish Vitreoretinal Society, Valencia, Spain, Stem Cell Therapy for Retinal Disease

2012: Spanish Vitreoretinal Society, Valencia, Spain, “The Artificial Retinal implant”

2012: Macula 2012 meeting, New York University and Manhattan Eye, Ear and Throat Hospital, New York, New York, . Cell Therapy for Retinal Degenerations”

2011: Retina Society meeting, combined with Societa Italiana della Retina, Rome Italy, “Asymptomatic Fluid in the Second Eye of Patients with Neovascular Age-related Macular Degeneration: Detection by OCT and Treatment with Anti-VEGF Therapy

2011: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Expression of Transcription Factors Involved in Murine Stem Cell Differentiation Induce Photoreceptor Phenotypes in Mouse Embryonic Stem Cells. Association for Research in Vision and Ophthalmology”

2011: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Regular Optical Coherence Tomography Screening of Second Eyes Of Patients With Unilateral Exudative Age-related Macular Degeneration: An Incremental Cost-utility Analysis”

2011: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “CD46-Mediated Infection of Human Retinal Pigment Epithelium (RPE) with Human Adenovirus Serotype-3 (HAdV3) Induces RPE Death”

2011: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “OCT-guided Detection Of Risk Factors For Macular Hemorrhage During Anti-VEGF Therapy For Neovascular Age Related Macular Degeneration”

2011: Association for Research in Vision and Ophthalmology, Fort Lauderdale, “Cellular Therapy for the Dysfunctional RPE and Retina: Delivery Methods”

2011: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Extracellular Matrix Promotes Embryonic Stem Cell Differentiation Towards a Retinal Progenitor Fate”

2011: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Bruch's Membrane Aging Reduces Autophagic Activity in Retinal Pigment Epithelium: Implications for Age-related Macular Degeneration”

2011: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Spectral Domain OCT-based Detection and Treatment of Asymptomatic Subretinal or Intraretinal Fluid in the Second Eye of Patients with Neovascular Age-related Macular Degeneration”

2010: American Society of Retina Specialists, Vancouver, British Columbia, “Incidence of Unilateral Open Angle Glaucoma Among Patients Who Undergo Vitrectomy Versus Scleral Buckling for Primary Rhegmatogenous Retinal Detachment.”

2010: American Society of Retina Specialists, Vancouver, British Columbia, “Interim Performance Results from the Second Sight® ArgusTM II Retinal Prosthesis Study”

2010: American Academy of Ophthalmology, Chicago, Illinois, “Incidence of Unilateral Open Angle Glaucoma after Vitrectomy Compared to Scleral Buckling for Primary Rhegmatogenous Retinal Detachment”

2010: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “CD46 (MCP) Knockdown Alters Genes Involving Cell Localization, Immune System Processing and Biological Adhesion in Human Retinal Pigment Epithelium (RPE)”

2010: Association for Research in Vision and Ophthalmology, ort Lauderdale, FL, “

Subretinal Murine Stem Cell Transplantation in the PDE6beta-Related Mouse Model of Retinitis Pigmentosa”

2010: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Ex Vivo Gene Expression of Retinal Differentiation Transcription Factors Induces a Photoreceptor Phenotype in Mouse Neural and Embryonic Stem Cells”

2010: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL “CD46 Transfection Leads to Changes in the Expression of the Critical Transcription Factor MITF in RPE”

2010: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Bruch’s Membrane Aging Induces Down Regulation of CD46 in Retinal Pigment Epithelium: Implications for AMD

2010: GTC Bio, 6th Annual Stem Cell Research & Therapeutics Conference, Section on Regenerative Medicine & Tissue Engineering, Boston, MA, “Treatment of Retinal Degenerations with Stem Cells: A Unique Biological Opportunity”

2010: The Macula Foundation and Manhattan Eye, Ear and Throat Hospital, New York, New York, Stem Cells for Retinal Degenerations

2010: Macula 2010 meeting, Wilmer Eye Institute, Johns Hopkins Hospital, Management of Age related Macular Degeneration Panel discussion on AMD

2009: Universita Federico II Monte Sant’Angelo Aula Carlo Ciliberto Napoli, Naples Italy, “Retinal Transplantation, Stem Cells, and Macular Surgery”

2009: American Academy of Ophthalmology, San Francisco, CA, “Rebound Retinal Thickening After Intravitreal Bevacizumab for Diabetic Macular Edema”

2009: Retina Congress - American Society of Retina Specialists, The Macula Society, and The Retina Society (combined meeting) New York, New York, “Vitreopharmacolysis with Vitreolysin”

2009: Retina Congress - American Society of Retina Specialists, The Macula Society, and The Retina Society (combined meeting) New York, New York, “Complement Protein CD46 Inhibits Complement Activation and VEGF Release from Human Retinal Pigment Epithelium”

2009: International Society for Stem Cell Research annual meeting, Barcelona, Spain, “Human RPE Express Key Pluripotency Genes and Can Undergo Transdifferentiation in Response to Direct Expression of NeuroD1 and NRL”

2009: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Comparison of Spectral Domain OCT Volumetric Analysis Before and After Intravitreal Bevacizumab Injection for Diabetic Macular Edema”

2009: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Comparison of Macular Volume versus Central Macular Thickness Using Spectral Domain OCT After Intravitreal Bevacizumab Injection for Macular Edema Associated With Retinal Vein Occlusion”

2009: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Differential Spatial and Temporal Expression of Wnt Signaling Pathway Genes in Human Retina”

2009: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Quantitative Evaluation of Angiogenic Effect of Antiglaucoma Agents”

2009: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Identification of transcription factors critical for murine stem cell differentiation into retinal pigment epithelium”

2009: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Over-expression of NRL and NeuroD1 induces human RPE transdifferentiation into photoreceptor precursors”

2009: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Use of Wnt and Nodal inhibitors to induce embryonic stem cell differentiation into retinal pigment epithelium (RPE)”

2009: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Progression of Occult, Minimally Classis and Predominantly Classic Choroidal Neovascularization in Exudative Age-related Macular Degeneration: A Meta-Analysis”

2009: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Identification of transcription factors involved in murine stem cell differentiation into neural retina and photoreceptor cells”

2009: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “[Why do we need Maculoplasty?](javascript:openPopupWindow('/viewer/viewAbstractPrintFriendly.asp?CKey=%7b9B9FFD7D-A8B0-4325-A6EF-14B7E4E65860%7d&SKey=%7b427B6FCA-5FFC-439C-B8E0-6ABF2C64561C%7d&MKey=%7b7795A420-8CB1-433D-9873-743C5CBD087A%7d&AKey=%7bC7EBB51B-512B-49A6-B4F2-0ADB01DC195B%7d',%20500,%20400);) Tissue Engineering for Restoration of Foveal Function in Age-Related Macular Degeneration”

2009: Macula 2009 meeting, New York City, “Pharmacological Vitreolysis for Age-related Macular Degeneration”

2008: Association for Research in Vision and Ophthalmology, Moderator, Special Interest Group in Maculoplasty, Fort Lauderdale, FL

2008: Association for Research in Vision and Ophthalmology, Moderator of Special Interest Group (SIG) Enzymatic Vitreopharmacolysis in Vitrioretinal Disease, Fort Lauderdale, FL

2008: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Duration of Action of Intravitreal Ranibizumab and Bevacizumab in Exudative AMD Eyes Based on Macular Volume Measurements”

2008: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Combination Therapy of Ranibizumab + PDT is Not Superior to Ranibizumab Alone: A Meta analysis Using Lineweaver-Burke Plots”

2008: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Combined Arteriovenous Sheathotomy and Intraoperative Intravitreal Triamcinolone Acetonide for Branch Retinal Vein Occlusion.”

2008: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Ocular Safety of Serial Intravitreal Injections of Recombinant Human Erythropoietin: A 7 Month Study in Rabbits.”

2008: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “. Complement Regulatory Protein CD46/MCP Inhibits Complement Activation and VEGF Release from Human Retinal Pigmental Epithelial Cells (RPE).”

2008: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Induction of Nrl Expression in Retinal Progenitors Derived from Human Embryonic Stem Cell (hESC)”

2008: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Progressive Subretinal Fibrosis Despite Anti-VEGF Therapy in Exudative Age-Related Macular Degeneration”

2008: The Macula Society, West Palm Beach, FL, “Specific Cleavage of the Posterior Vitreous-ILM Interface by Dispase: Modulation of Enzyme Activity by Calcium”

2008: 34th Annual Eastern-Atlantic Student Research Forum, Miller School of Medicine, University of Miami, Miami, FL, “Combination Therapy of Ranibizumab + PDT Is Not Superior To Ranibizumab Alone: A Meta-Analysis Using Lineweaver-Burke Plots”

2007: Pacific Ocular Regenerative Biology Conference: Restoring Vision in the Aged and Diseased Eye. Laguna Beach, California, “Regeneration of macular anatomy in advanced age-related macular degeneration”

2007: The Retina Society, “. Dispase Induces Posterior Vitreous Detachment by Specific Pharmacolysis of the Posterior Vitreous-ILM Interface”

2007: The Macula Society, London, England, “Vitreous Pharmacolysis with Dispase”

2007: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Mathematical Modeling of the Effects of Ranibizumab on Visual Acuity on Subfoveal Exudative AMD: Evidence for a Biphasic Response”

2007: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Intravitreal Injection of Recombinant Human Erythropoietin: A Study of Retinal Toxicity Using Electroretinography in Rabbits”

2007: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Reengineering Human Bruch’s Membrane Increases Rod Outer Segment Phagocytosis by Human Retinal Pigment Epithelium (RPE).”

2007: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL. “Modulation of the Matrix Metalloprotease (MMP) Activity of Dispase: A Role for Calcium.”

2007: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Comparison of Gene Expression Profiles from Young and Older Human Retinal Donor Eyes”

2007: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL. “Targeted Induction of Human Embryonic Stem Cell (hESC) into Retinal Progenitor or RPE Lines.”

2006: Wills Eye Hospital, Philadelphia, PA, “Natural History of Vision Loss Progression in Eyes with Subfoveal Neovascularization in Age-related Macular Degeneration”

2006: American Academy of Ophthalmology meeting, Las Vegas, Nevada, “Long-Term Follow Up of Patients with Surgical Removal of Peripapillary Choroidal Neovascularization Associated with Histoplasmosis”

2006: The Jackson Laboratory, Bar Harbor Club, Bar Harbor, ME, “Human Embryonic Stem Cell (hESC) transplantation for retinal degenerative diseases Experimental Tools in Model Systems of Translational Vision Research”

2006: American Society of Retinal Specialists Annual Meeting, Cannes, France, “Use of Double Reciprocal Analysis to Compare Pharmacological Treatments for Subfoveal Exudative AMD”

2006: American Society of Retinal Specialists Annual Meeting, Cannes, France, “Effect of Initial Visual Acuity on Visual Loss in Untreated AMD Eyes with Subfoveal Neovascularization

2006: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Surgical Repair of Spontaneous Scleral Rupture in a Patient With a Retino-Choroidal Coloboma.”

2006: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Long-Term Follow-Up of Patients With Surgical Removal of Extensive Peripapillary Choroidal Neovascularization Associated With Presumed Ocular Histoplasmosis Syndrome”

2006: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Surgical Management of Patients with Massive Subretinal Hemorrhage Secondary to Age-Related Macular Degeneration”

2006: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL. “Optical Coherence Tomography in Asteroid Hyalosis”

2006: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Aging of Bruch's Membrane Decreases Phosphorylation of Retinal Pigment Epithelium Proteins”

2006: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Comparing Efficacy of AMD Treatments Using Lineweaver-Burke Plots: A Meta Analysis”

2006: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Change in Human Retinal Pigment Epithelium (RPE) Proteome Cultured on Different Matrices”

2006: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Nitration of Extracellular Matrix Decreases Photoreceptor Phagocytosis by Human RPE”

2006: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Comparison of Human Retinal (RPE) and Iris Pigment Epithelium (IPE) Proteomes”

2006: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Critical RPE Retinoid Genes Are Not Expressed in Adult Iris Pigment Epithelium.”

2006: Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, “Detection of Nitro-Adducts by LC/MS in Aged Human Bruch's Membrane.”

2006: Association for Research in Vision and Ophthalmology, Fort Lauderdale, “Progression of Visual Loss in Untreated AMD Eyes With Subfoveal Exudation Depends on Initial Visual Acuity”

2006: The Macula Society, Carlsbad, CA, “Progression of Visual Loss in Untreated Eyes with Subfoveal Exudation in AMD: A Meta Analysis.”

2005: Meeting of the American Society of Retinal Surgeons, Montreal, Canada, “Autofluorescence Imaging of RPE Tears”

2005: American Society of Retinal Surgeons, Montreal, Canada, “Enzymatic Induction of Posterior Vitreous Detachment with Dispase: Isolation of the Active Enzyme”

2005: Cornell-Columbia Alumni meeting, New York, NY, “Complement Activation May Lead to Cell Death in AMD”

2005: Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida, “Purification of the Active Constituent of Dispase for Vitreopharmacolysis”

2005: Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida, “ATP Binding Cassette (ABC) Gene Expression within Human RPE: Evidence That ABCC5 Is Downregulated by Aging of Human Bruch’s Membrane”

2005: Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida, “Bruch’s Membrane Aging Decreases Phagocytosis of Outer Segments by Retinal Pigment Epithelium”

2005: Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida, “Transplantation of Adult Retinal Pigment Epithelium or Iris Pigment Epithelium in AMD: A Gene Expression Profile Analysis”

2005: Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida, “Family Member Gene Expression Within Human RPE: Evidence That C1 Member Is Upregulated With Human Bruch’s Membrane Aging”

2005: Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida, “Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida,”

2005: Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida, “Autofluorescence Imaging of RPE Tears.”

2005: 28th Annual Meeting of the Macula Society, Key Biscayne, FL, “Vitreopharmacolysis with Dispase: Purification of the Active Constituent”

2004: 17th IGB Meeting, Capri, Italy, “Gene expression and age-related macular degeneration: evidence that Bruch's membrane aging alters the gene expression profile of human retinal pigment epithelium.”

2004: American Academy of Ophthalmology meeting, New Orleans, LA. “Intraocular Pressure Response Following Second Intravitreal Triamcinolone Acetonide Injection.”

2004: The Fourth Annual Resident-Fellow Research Day, Columbia University, New York, “What can we learn from wrinkling patterns of epiretinal membranes and choroidal folds? A morphometric analysis”

2004: Retina Society, Baltimore, MD, “Bruch’s Membrane Aging Impairs RPE Phagocytosis: Implications for AMD Pathogenesis”

2004: The American Society of Retina Specialists, San Diego, CA, “Comparison Between Automated Software and Manual Construction of Photo Montage: A Quality and Time-Efficiency Analysis”

2004: The American Society of Retina Specialists, San Diego, CA, “Differences in the Appearance of Epiretinal Membranes and Choroidal Folds”

2004: The American Society of Retina Specialists, San Diego, CA, “Gene Expression of RPE is Affected by Aging of Human Bruch’s Membrane: Implications for AMD”

2004: Cornell-Columbia Alumni meeting, “Complement regulatory protein CD46 is involved in RPE adhesion to human Bruch’s membrane”

2004: Wilmer Resident Association Meeting, “Bruch's Membrane Aging Alters the Expression of Proliferation, Migration and Apoptosis Genes and Down Regulates Vitronectin mRNA in Human RPE”

2004: Association for Research in Vision and Ophthalmology, Fort Lauderdale, “Anatomical Similarities between Stage 3 and Stage 4 Macular Holes: Implications for Treatment”

2004: Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida, “Differences in Gene Expression Profile of Cultured Adult Versus Immortalized Human RPE”

2004: Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida, “RPE Expression of Vitronectin and Its Receptor (vβ5) Are Downregulated with Aging of Human Bruch’s Membrane”

2004: Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida, “Bruch's Membrane Aging Alters the RPE Expression Profile of Proliferation, Migration and Apoptosis but not Angiogenesis Genes”

2004: Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida, “Composition Studies of Human RPE Lipofuscin and Its Comparison to Deposits on Bruch's Membrane”

2004: Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida, “Structural Comparison of Wrinkling in Epiretinal Membranes and Choroidal Folds: A Morphometric Analysis”

2004: Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida, “Aging of Bruch’s Membrane Decreases Retinal Pigment Epithelium Phagocytosis”

2004: The Macula Society, Las Vegas, Nevada, “Morphologic Similarities Between Stage 3 and Stage 4 Macular Holes: Understanding Treatment”

2003: Meeting of the Retina Society, Chicago, Illinois, “Long-Term Survival Of Fetal Human Allogeneic RPE Transplants In Retinal Degeneration”

2003: Vitreous Society, New York, NY, “Vitrectomy may reduce the risk of developing age–related macular degeneration (AMD).”

2003: Meeting of the Retina Society, Chicago, Illinois, “Age-related Changes within Bruch’s Membrane Lead to RPE Cell Death and Geographic Atrophy”

2003: Vitreous Society, New York, NY, “Idiopathic macular hole: Is there a familial link?”

2003: Meeting of the Association in Vision and Ophthalmology, Fort Lauderdale, Florida

“Tissue-specific isoform expression of membrane cofactor protein (MCP;CD46) on human retinal pigment epithelial cells”

2003: Meeting of the Association in Vision and Ophthalmology, Fort Lauderdale, FL, “Aging of Bruch's membrane upregulates human retinal pigment epithelium apoptosis genes: implications for age-related macular degeneration.”

2003: Meeting of the Association in Vision and Ophthalmology, Fort Lauderdale, Florida “A new protein complex identified on the basolateral surface of human retinal pigment epithelium involving a complement regulatory protein (CD46) and integrin.”

2003: Meeting of the Association in Vision and Ophthalmology, Fort Lauderdale, FL, “RPE sheet transplantation in porcine eyes: evidence for basement membrane synthesis and long-term cell survival.”

2003: Meeting of the Association in Vision and Ophthalmology, Fort Lauderdale, Florida, “Aging increases collagen cross linking and pore size within the inner collagen layer of human Bruch’s membrane”

2003: Meeting of the Association in Vision and Ophthalmology, Fort Lauderdale, FL, “Regeneration of the inner collagenous layer of human Bruch’s membrane by cleaning and extracellular matrix protein coating: morphometric evidence.”

2003: Meeting of the Association in Vision and Ophthalmology, Fort Lauderdale, FL, “Possible familial link for idiopathic macular hole.”

2003: Meeting of the Association in Vision and Ophthalmology, Fort Lauderdale, FL, “A new role for complement regulatory protein CD46 in retinal pigment epithelial adhesion to human Bruch’s membrane.”

2003: The Macula Society, Naples, Florida, “Role of Abnormal Bruch’s membrane in Altering RPE Graft Behavior after Subretinal Transplantation In Vivo.”

2003: The Macula Society. Naples, Florida, “Changes in Gene Expression of RPE Seeded onto Older Bruch’s Membrane: Implications for the Pathogenesis of Geographic Atrophy.”

2003: Macula Society Symposium, American Academy of Ophthalmology, Anaheim, CA,

“Update on the Treatment of AMD: RPE and Retinal Transplantation”

2003: Institute of Ophthalmology, University College, London, England, “The Retinal Pigment Epithelium and Its Substrate: Implications for Cell Replacement Strategies in AMD”

2003: Cole Eye Institute, Cleveland Clinic Foundation, Cleveland, Ohio, “Atrophic Age-related Macular Degeneration: A Role for RPE Loss by Apoptosis in Humans”

2003: Cole Eye Institute, Cleveland Clinic Foundation, Cleveland, Ohio, “Surgical Repair of RPE Defects after Submacular Surgery in AMD Patients.”

2003: Cole Eye Institute, Cleveland Clinic Foundation, Cleveland, Ohio, “RPE Transplantation in Age-related Macular Degeneration: Current Status and Future Directions.”

2002: Meeting of the Association for Research in Vision and Ophthalmology, Ft. Lauderdale, FL Moderator, Symposium on The Role of Bruch’s Membrane in the Development of Age-related Macular Degeneration

2002: Meeting of the Association for Research in Vision and Ophthalmology, Ft. Lauderdale, FL, Moderator, Platform session on Retinal and RPE Transplantation

2002: Vitreoretinal Symposium Marburg, Frankfurt, Germany Neuroretinal transplantation. 2002.

2002: “Complement Regulatory Protein (CD46) and Retinal Pigment Epithelial Adhesion.” International Society for Eye Research

2002: “Rapid 4-Point Fixation of Posterior Chamber Intraocular Lenses without Capsular Support.” Vitreous and Retina Society combined meeting, San Francisco, CA.

2002: “Enrichment of Substrate with Vitronectin, a Major Component of Drusen, Upregulates Apoptosis and Angiogenesis-related Genes in the RPE.” Vitreous and Retina Society, San Francisco, CA

2002: “RPE Replacement Strategies in AMD: Advances and Obstacles.” Wills Eye Hospital, Thomas Jefferson University

2002: “Rapid Four-point Fixation of a Transscleral PC IOL without Capsular Support.” Cornell/Columbia Alumni meeting

2002: “Vitrectomy and Silicone Oil Infusion in Severe Diabetic Retinopathy.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

2002: “Photodynamic Therapy For Extrafoveal And Juxtafoveal Choroidal Neovascularization.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

2002: “The Role of Bruch’s Membrane in the Development of Age-related Macular Degeneration.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

2002: “Photomelded Bruch’s Membrane Patch Grafts to Treat Bruch’s Membrane Defects in Age-Related Macular Degeneration.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

2002: “Effect of Triple Immune Suppression on Long-Term Survival of Fetal Pig Retinal Pigment Epithelium Xenografts.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

2002: “Sequential Fundus Photography and Fluorescein Angiography of Fetal Pig Retinal Pigment Epithelium Xenografts.” Meeting of the Association in Vision and Ophthalmology, Fort Lauderdale, Florida

2002: “Pre-transplant Exposure to Extracellular Matrix (ECM) Ligands Alters Integrin Expression on RPE Surface.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

2002: “Effect of Vitronectin-Enriched Substrates on RPE Gene Expression: A DNA Microarray Study.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

2002: “Efficacy Study of Adult Photoreceptor Transplantation in Retinitis Pigmentosa (RP): Two Year Follow-up.” American Academy of Ophthalmology

2001: Meeting of the Association for Research in Vision and Ophthalmology Moderator, Platform session on Retinal and RPE Transplantation, , Ft. Lauderdale, FL

2001: “Retinal Pigment Epithelium-Choriocapillaris Interaction in an Animal Model of Geographic Atrophy.” Fifth Annual Vision Research Conference, Ft. Lauderdale, FL

2001: “Resurfacing of Bruch’s Membrane in AMD: Impact on Behavior of Transplanted RPE.” Columbia/Cornell Alumni Meeting

2001: “Does Viscodissection Result in Less Iatrogenic Retinal Breaks during Membrane Peeling of Diabetic Fibrovascular Proliferative Membranes?” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

2001: “Human RPE Apoptosis is Decreased and Reattachment Increased by Cleaning and Coating the Inner Collagenous Layer of Aged Human Bruch’s Membrane.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

2001: “Definitive Identification of Transplanted Fetal Pig Retinal Pigment Epithelium in a Rabbit Xenograft Model. Meeting of the Association in Vision and Ophthalmology.” Fort Lauderdale, Florida

2001: “Resurfacing of Elastin Layer and Inner Collagen Layer of Human Bruch’s Membrane In Vitro.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

2001: “Rapid Transscleral Four-Point Fixation of a Posterior Chamber Intraocular Lens.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

2001: “Surgical Isolation of Different Layers of Bruch’s Membrane *In Vivo*: An Animal Model for RPE (Retinal Pigment Epithelium) Transplantation After Submacular Surgery.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

2001: “Factors Predicting No Light Perception (NLP) Vision after Penetrating Ocular Trauma.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

2001: Resurfacing of Bruch's Membrane in Age-related Macular Degeneration: Reversal of the Aging Process. Meeting of the Macula Society, Scottsdale, Arizona

2001: “Resurfacing of Bruch's Membrane in Age-related Macular Degeneration: Role of Extracellular Matrix Proteins in RPE Transplant.” Attachment. Meeting of the Macula Society, Scottsdale, Arizona

2000: Retina Society meeting Moderator, Platform session on Vitreoretinal Experimental Studies, Coral Gables, Florida

2000: “Edge ASB. Transplantation of Fetal Pig RPE in a Porcine Model of RPE Debridement.” Meeting of the Retina Society, Coral Gables, Florida

2000: “The Retinal Pigment Epithelium Undergoes Age-Related Apoptosis In Human Eyes.” Meeting of the Retina Society, Coral Gables, Florida

2000: “Unsuspected Metallic Intraocular Foreign Body Associated with Blurry Visual Acuity and Depressed ERG.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

2000: “Use of Magnetic Field to Reattach Adult Human Retinal Pigment Epithelium to a Nonadherent Surface.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

2000: “Functional Mapping of Human Choriocapillaris and Retinal Pigment Epithelium In Vivo.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

2000: “Fetal RPE Transplantation in a Porcine Model of RPE Debridement.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

2000: “Differential Distribution of Integrin Receptors in Primary and Passaged Human Retinal Pigment Epithelium.” Meeting of the Association in Vision and Ophthalmology

2000: “Resurfacing of Inner Layers of Human Bruch’s Membrane Promotes Adhesion of Transplanted Adult Retinal Pigment Epithelium.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

2000: “Strategies for Promoting RPE Adhesion after Transplantation onto Human Bruch’s Membrane.” Meeting of the Macula Society, San Juan, PR

2000: “Retinal Pigment Epithelial (RPE) Transplantation after Subfoveal Membranectomy in Age-Related Macular Degeneration (AMD): Clinicopathologic Correlation.” The Vitreous Society, Rome, Italy

1999: “Four-point Fixation of a Posterior Chamber Intraocular Lens without Internal Knots.”The Vitreous Society, Rome, Italy

1999: “Four-point Fixation of a Posterior Chamber Intraocular Lens without Internal Knots.” The Vitreous Society, Rome, Italy

1999: “Harvest and Culture of Adult Human Choroidal and Choriocapillaris Vascular Endothelium.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1999: “Cell Proximity Enables Human Retinal Pigment Epithelial Cells to Resist Apoptosis.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1999: “Pathogenesis of Geographic Atrophy in Age-related Macular Degeneration: What Do Laboratory Studies Tell Us?” Meeting of the Macula Society, San Diego, CA

1998: Meeting of the Association for Research in Vision and Ophthalmology Moderator, Platform session on Retinal and RPE Transplantation, Sarasota, FL

1998: “Photoreceptor Transplantation in Retinitis Pigmentosa.” Meeting of the American Academy of Ophthalmology, New Orleans, LA

1998: “The Role of Bruch’s Membrane in Survival of Transplanted Retinal Pigment Epithelium.” The Retina Society, Washington, D.C

1998: “Retinal Pigment Epithelial Transplantation for Subfoveal Neovascularization in Age-related Macular Degeneration: A Clinical Trial.” The Retina Society, Washington, D.C

1998: “Do We Have to Transplant Bruch’s Membrane in Age-related Macular Degeneration?” International Congress of Eye Research, Paris, France

1998: “Adult Human Photoreceptor Transplantation in Retinitis Pigmentosa.” International Congress of Eye Research, Paris, France

1998: “Adult Human Photoreceptor Transplantation in Retinitis Pigmentosa: Clinical Results.” Proceedings of the XXVIIIth International Congress of Ophthalmology, Amsterdam

1998: “The Role of Bruch’s Membrane in Survival of Transplanted Retinal Pigment Epithelium.” Proceedings of the XXVIIIth International Congress of Ophthalmology, Amsterdam

1998: “Transplantation of Retinal Pigment Epithelium for Subfoveal Neovascularization in Exudative Age-Related Macular Degeneration: Results of a Clinical Trial.” The Macula Society, Boca Raton, FL

1998: “Pneumatic Scleral Buckles: Scleral Buckling Surgery without Drainage of Subretinal Fluid and With Intravitreal Air Injection.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1998: “Apoptosis Rate of Human Retinal Pigment Epithelium (RPE) Is Highest in the Macula from Elderly Eyes.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1998: “Fate of Adult Human Retinal Pigment Epithelium (RPE) Plated onto Different Layers of Human Bruch’s Membrane (BM)” *In Vitro.* Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1998: “Minimum Number of Cells Required to Establish a Confluent Monolayer of Adult Human Retinal Pigment Epithelium” *In Vitro.* Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1998: “Retinal Pigment Epithelium (RPE) Can Rescue the Vascular Endothelium from Retinoic Acid-Induced Apoptosis” *In Vitro.* Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1998: “The Reattachment of Adult Human Retinal Pigment Epithelium (RPE) to Extracellular Matrix (ECM) is Mediated Mainly by the beta1-subunit of Integrin.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1998: “Morphology of Retinal Pigment Epithelium (RPE) after Reattachment to Different Layers of Human Bruch’s Membrane.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1998: “Retinal Pigment Epithelial (RPE) Transplanation onto Bare Areas of Bruch’s Membrane Prevents Atrophy of the Choriocapillaris.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale

1998: “Extracellular Matrix (ECM) Molecules Remain Attached to Harvested Primary Adult Human Retinal Pigment Epithelium (RPE).” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1998: “Surgery Effects on Absolute Scotoma in Subfoveal Neovascularization: Comparative Morphometric Analysis of SLO Perimetry Data.” American Academy of Ophthalmology meeting, San Francisco, CA

1997: Meeting of the Association for Research in Vision and Ophthalmology, Moderator, ARVO Press Forum on Gene Manipulation/Transplantation in the Eye-- A Site for Sore Eyes, Fort Lauderdale, FL

1997: “Photoreceptor Transplantation For Retinitis Pigmentosa.” The Vitreous Society, New Orleans, LA

1997: “Transplantation of Retinal Pigment Epithelium (RPE) for Exudative Age-Related Macular Degeneration (AMD).” The Vitreous Society, New Orleans, LA

1997: “Retinal Pigment Epithelial Transplantation in Age-related Macular Degeneration.” The Macula Society, Florence, Italy

1997: “Photoreceptor Transplantation in Retinitis Pigmentosa.” The Macula Society, Florence, Italy

1997: “An Alternative Hypothesis for the Pathogenesis of Subretinal Neovascularization in Age-related Macular Degeneration. First Annual Vision Research Conference (ARVO Satellite), Ft. Lauderdale, FL

1997: “Human Photoreceptor Transplantation in the non-Human Primate.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1997: “Incidence and Management of Retinal Detachment after Macular Hole Surgery.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1997: “Late Reopening of Successfully Closed Macular Holes after Cataract Surgery.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1997: “Adult Human Retinal Pigment Epithelial Cells Harvested With Basal Lamina Do Not Attach To Extracellular Matrix.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1997: “Transplantation Of Retinal Pigment Epithelial Sheets into the Subretinal Space of the Porcine Eye.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1997: “Confocal Immunofluorescence Microscopy of Extracellular Matrix Components Of Bruch’s Membrane.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1997: “Serum-Free Medium For Culturing And Serial Passaging of Primary Adult Human Retinal Pigment Epithelium (RPE).” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale

1997: “Definitive Identification of Transplanted Porcine Retinal Pigment Epithelium (RPE) with Barr Body Staining.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1997: “Ability of Different Layers of Human Bruch’s Membrane to Support Reattachment of Human Retinal Pigment Epithelium.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1997: “Long-Term Organ Culture of Adult Human Retinal Pigment Epithelium (RPE) And Choroid.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1996: “Transplantation: What Do *In Vitro* Studies Teach Us?” International Society for Eye Research, Yokohama, Japan

1996: “Human Photoreceptor Transplantation in the Nonhuman Primate.” International Society for Eye Research, Yokohama, Japan

1996: “Exudative Retinal Detachment as a Complication of Macular Hole Surgery.” American Academy of Ophthalmology meeting, Chicago, Illinois, October

1996: “Surgical Removal of Large Non-AMD Peripapillary Choroidal Neovascular Membranes.” American Academy of Ophthalmology meeting, Chicago, Illinois

1996: “RPE Transplantation: *In Vitro* Studies. Second International Symposium on the Retinal Pigment Epithelium” Genoa, Italy

1996: “Use Of Dispase to Induce a Posterior Vitreous Detachment(PVD).” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1996: “Use of Fibrin Glue for Translocation of Autologous Retinal Pigment Epithelium (RPE).” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1996 “Uveitis from MAI is not Caused by Rifabutin and/or Clarithromycin Alone.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1996: “Reattachment of Harvested RPE to a Substrate Prevents Apoptosis.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1996: “Use of Dispase to Induce a Posterior Vitreous Detachment.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1996: “En Bloc Transfer of Extracellular Matrix In Vitro.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1996: “Reattachment of Transplanted RPE to a Substrate is Necessary to Prevent Programmed Cell Death (Apoptosis).” Wilmer Residents Association Meeting, Johns Hopkins, Baltimore, MD

1996: “Photoreceptor Transplantation in Retinitis Pigmentosa (RP).” Meeting of the Macula Society

1995: Meeting of the Association for Research in Vision and Ophthalmology Moderator, Session on Submacular Surgery, Sarasota, FL

1995: “Persistent Glaucoma Secondary to Periocular Steroids.” Presented at the American Uveitis Society, Atlanta, Georgia

1995: “Correlation between Scanning Laser Ophthalmoscope (SLO) Microperimetry and Anatomic Abnormalities in Patients with Subfoveal Neovascularization.” American Academy of Ophthalmology meeting, Atlanta, GA

1995: “Visual Recovery after Subfoveal Surgery Depends on Subfoveal Choriocapillaris.” Retina Society, Santa Fe, New Mexico

1995: “Visual Recovery after Excision of Subfoveal Neovascularization.” European Congress of Ophthalmology, Milan, Italy

1995: “Photoreceptor Transplantation in Retinitis Pigmentosa” Suncoast Retina Research Forum, Sarasota, FL

1995: “Does Choriocapillaris Atrophy Limit Visual Recovery after Subfoveal Surgery?” Suncoast Retina Research Forum, Sarasota, FL

1995: “Blue Light-Dependent Destruction of the Retinal Pigment Epithelium (RPE) by Protoporphyrin IX.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1995: “Delayed Recovery of Vision in Age-Related Macular Degeneration (AMD) Associated with RPE Hyperplasia.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1995: “Porcine Retinal Pigment Epithelium (RPE) Attachment and Growth on Extracellular Matrix In Vitro.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1995: “Visual Improvement after Subfoveal Surgery in POHS Depends on Perfusion of Subfoveal Choriocapillaris.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1995: “Visual Improvement after Subfoveal Surgery in POHS Depends on Perfusion of Subfoveal Choriocapillaris.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1995: “Viability of Retinal Pigment Epithelial (RPE) Cells Harvested as a Monolayer from Tissue Culture and Freshly Enucleated Eyes.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1995: “Multiple Recurrrent Branch Retinal Artery Occlusions Secondary to Varicella Zoster.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1995: “Delivery Device for Controlled Injection of Fluid into the Subretinal Space.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale

1995: “Surgical Removal of the Retinal Pigment Epithelium (RPE) Causes Atrophy of the Choriocapillaris (CC) and Outer Retina.” Meeting of the Association in Vision and Ophthalmology. Fort Lauderdale, Florida

1994: Meeting of the Association for Research in Vision and Ophthalmology Moderator, Session on RPE Transplantation, Sarasota, FL

1994: “Factors Limiting Visual Recovery after Submacular Surgery.” Meeting of the Vitreous Society. Aspen, Colorado

1994: “Surgical Removal of Subfoveal Neovascular Membranes (SFNVM) from Myopia, Angioid Streaks and Miscellaneous Disorders.” Meeting of the Association for Research in Vision and Ophthalmology. Sarasota, Florida

1994: “Brief Exposure of Mitomycin Inhibits RPE Proliferation In Vitro.” Meeting of the Association for Research in Vision and Ophthalmology. Sarasota, Florida

1994: “Light-Dependent Destruction of Retinal Pigment Epithelium (RPE) by a Naturally Occurring Photosensitizer.” Meeting of the Association for Research in Vision and Ophthalmology. Sarasota, Florida

1994: “Surgical Debridement of the Retinal Pigment Epithelium (RPE) in the Domestic Pig.” Meeting of the Association for Research in Vision and Ophthalmology. Sarasota, Florida

1994: “Visual Recovery after Surgery for Subfoveal Neovascularization.” Wilmer Residents Association Meeting. Johns Hopkins, Baltimore, MD

1993: “Experimental and Surgical Aspects of RPE Transplantation.” Meeting of the Vitreous Society, Saint Thomas, U.S. Virgin Islands

1993: “Histopathologic Examination of Vascular Patterns in Subfoveal Neovascular Membranes.” Meeting of the Academy of Ophthalmology, Chicago, Illinois

1993: “Surgery for Subfoveal Neovascularization in POHS.” Meeting of the Academy of Ophthalmology, Chicago, Illinois

1993: “Choriocapillaris Atrophy following Subfoveal Membrane Excision in Exudative Age-Related Macular Degeneration.” Meeting of the American Academy of Ophthalmology, Chicago, Illinois

1993: “Pathogenesis of AMD: Theory Based on Organ Culture Studies of Cell Attachment and Proliferation on Bruch's Membrane.” Meeting of The Retina Society, San Francisco, California

1993: “Choriocapillaris Atrophy Associated with Exudative Age-Related Macular Degeneration.” Meeting of the Association for Research in Vision and Ophthalmology. Sarasota, Florida

1993: “Histopathologic Examination of Vascular Patterns in Subfoveal Neovascular Membranes.” Meeting of the Association for Research in Vision and Ophthalmology. Sarasota, Florida

1993: “Development of a Surgical Procedure and Instrument for Transplantation of Extended Gelatin Sheets into the Subretinal Space.” Meeting of the Association for Research in Vision and Ophthalmology. Sarasota, Florida

1993: “Retinal Pigment Epithelium Inhibits Proliferation of Fibroblasts onto Bruch's Membrane In Vitro.” Meeting of the Association for Research in Vision and Ophthalmology. Sarasota, Florida

1993: “Differential Ability of Aged Versus Young Human Bruch's Membrane to Support Repopulation by Healthy RPE.” Meeting of the Association for Research in Vision and Ophthalmology. Sarasota, Florida

1993: “Surgical Removal of Subfoveal Choroidal Neovascular Membranes in Presumed Ocular Histoplasmosis.” Meeting of the Association for Research in Vision and Ophthalmology. Sarasota, Florida

1993: “Advances in the Surgical Management of Macular Holes.” Fifth Annual Update Course in Ophthalmology, Washington University School of Medicine, St. Louis, MO

1993: “Ability of Aged and Young Human Bruch's Membrane to Support Repopulation of Healthy RPE.” Thirty-Third Annual Washington Unviersity Spring Eye Meeting.Washington University School of Medicine, St. Louis, MO

1993: “Experimental and Surgical Aspects of RPE Cell Transplantation.” Wilmer Residents Association Meeting, Johns Hopkins. Baltimore, MD

1993: “Choriocapillaris Atrophy Associated with Exudative Age-related Macular Degeneration.” Meeting of the Macula Society. Naples, Florida

1992: “Surgical Removal of Subfoveal Neovascularization in POHS and AMD: Indications, Results and Insights.” Meeting of The Retina Society, New York, NY

1992: “Retinal Pigment Epithelial (RPE) Transplantation onto Bruch's Membrane in Organ Culture.” Meeting of the International Society for Eye Research, Stresa, Italy

1992: “Surgical Approach to the Vitreomacular Junction” Fourth Annual Update Course in Ophthalmology, Washington University School of Medicine, St. Louis

1992: “Surgical Management of Suprachoroidal Hemorrhage Post Glaucoma Filtering Surgery.” Washington University School of Medicine Annual Spring Eye Meeting, St. Louis, MO

1992: “Surgical Excision of Choroidal Neovascular Membranes.” Wilmer Residents Association Meeting, Johns Hopkins, Baltimore, MD

1992: “Why Does Laser Photocoagulation Fail in the Treatment of Subretinal Neovascularization?” Meeting of the Macula Society, Phoenix, AZ

1992: “Posterior Infectious Crystalline Keratopathy and Endophthalmitis with Staphlococcus Epidermidis.” Meeting of the Association for Research in Vision and Ophthalmology, Sarasota, FL

1992: “Retinal Pigment Epithelial Regeneration in the Non-Human Primate.” Meeting of the Association for Research in Vision and Ophthalmology, Sarasota, FL

1992: “Transplantation of Retinal Pigment Epithelium (RPE) Onto Bruch's Membrane in Organ Culture.” Meeting of the Association for Research in Vision and Ophthalmology, Sarasota, FL

1990: “Localized Pockets of Subretinal Fluid After Retinal Reattachment Surgery.” Wilmer Residents Association Meeting, Johns Hopkins Hospital, Baltimore, MD

1989: “How Rod Cells Work: The Molecular Basis of Human Vision.” Wilmer Residents Association Meeting, Johns Hopkins Hospital, Baltimore, MD

1988: The Molecular Basis of Human Vision. Meeting of the American Academy of Ophthalmology, Las Vegas, NV

1988: “Response of the Retinal Pigment Epithelium to Laser Photocoagulation in Vitro.” Wilmer Residents Association Meeting, Johns Hopkins Hospital, Baltimore, MD

1987: “Response of the Retinal Pigment Epithelium to Laser Photocoagulation in Vitro.” Wilmer Residents Association Meeting, Johns Hopkins Hospital, Baltimore, MD

1987: “The Jackson Cross Cylinder.” Meeting of the American Academy of Ophthalmology, Dallas, TX

1987: “Intraocular Pressure Determination after Pars Plana Vitrectomy.” Meeting of the American Academy of Ophthalmology, Dallas, TX

1987: “Neodymium:YAG versus Argon Laser Iridotomy for Pupillary Block Glaucoma.” Meeting of the American Academy of Ophthalmology, Dallas, TX

1987: “Neodymium:YAG versus Argon Laser Iridotomy for Pupillary Block Glaucoma.” Meeting of the Association for Research in Vision and Ophthalmology, Sarasota FL

1987: “Long-term follow-up of Neodymium: YAG and Argon Laser Iridotomy.” Wilmer Residents Association Meeting, Johns Hopkins Hospital, Baltimore MD

1986: “One Year Follow-up of Neodymium:YAG Laser Angle Surgery for Open-angle Glaucoma.” Meeting of the American Academy of Ophthalmology, New Orleans, LA

1986: “Neodymium:YAG Laser Angle Surgery for Open-angle Glaucoma.” Meeting of the Association for Research in Vision and Ophthalmology, Sarasota, FL

1986: “Neodymium-YAGTrabeculoplasty in Open-angle Glaucoma. Wilmer Residents Association Meeting, Johns Hopkins Hospital, Baltimore, MD

1986: “The Use of the Jackson Cross Cylinder as a Refraction Tool: A Reappraisal.” Meeting of the American Academy of Ophthalmology, San Francisco, CA

1985: “Light Microscopy of the Rod Photoreceptor Cytoskeleton and Visual Transduction.” Meeting of the Association for Research in Vision and Ophthalmology, Sarasota, FL

1985: “Photomechanical Movements and Visual Transduction in Rod Cells.” Wilmer Residents Association Meeting, Johns Hopkins Hospital, Baltimore, MD

1985: “The Rod Photoreceptor Cytoskeleton: Three-dimensional Organization of Actin Using Fluorescence Microscopy.” Meeting of the Biophysical Society, Baltimore, MD

1985: “Can Mechanical Coupling Account for Amplification and Adaptation in Visual Transduction?” Meeting of the Biophysical Society, Baltimore, MD

1984: “Fluorescence Light Microscopy of the Rod Actin Cytoskeleton.” Meeting of the American Academy of Ophthalmology, Atlanta, GA

**Peer-Reviewed Presentations & Symposia**

2013: Grand Rounds: Autofluorescence Imaging and Age-related Macular Degeneration. Storm Eye Institute, Medical University of South Carolina

2013: Grand Rounds: Research Advances in Ophthalmology. Research Seminar, Department of Bioengineering, Medical University of South Carolina

2013: Grand Rounds: Advances in the Management of Diabetic Retinopathy, Grand Rounds, Department of Medicine, Medical University of South Carolina

2013: Grand Rounds: Emerging Treatments for Exudative Macular Degeneration. Storm Eye Institute, Medical University of South Carolina

2013: Grand Rounds: Advances in Artificial Vision. Storm Eye Institute, Medical University of South Carolina

**Invited Lectures**

2012: Complement, the Aging Basement Membrane, and VEGF Release from the Retinal Pigment Epithelium- Implications for Age-related Macular Degeneration. 71st Annual meeting of the Wilmer Eye Institute Residents Association, Johns Hopkins Hospital, Baltimore, Maryland

2009: Trapianti della Retina, Celluli Staminali, e Chirugica Maculare (Retinal Transplantation, Stem Cells, and Macular Surgery). Retina Presenete e Future (Retina Present and Future), Universita Federico II Monte Sant’Angelo Aula Carlo Ciliberto Napoli, Naples Italy

2009: Regeneration of macular anatomy in advanced age-related macular degeneration. Pacific Ocular Regenerative Biology Conference XII, Surf and Sands Resort, Laguna Beach, California

2008: Cell –based therapy for Retinal Disorders. Macula 2008 meeting, the Macula Foundation and Manhattan Eye, Ear and Throat Hospital, New York, New York

2007: Role of Bruch's membrane in RPE survival. Keynote Speaker. 4th International Ocular Anti-angiogenesis meeting, IBC, Boston, Massachusetts

2007: Comparing Clinical Trials in AMD. 26th Annual Squaw Valley Retinal Symposium, Squaw Valley, CA

2007: Pharmocologic Vitreolysis in Age of 25 Gauge Vitrectomy. 26th Annual Squaw Valley Retinal Symposium, Squaw Valley, CA

2007: What’s Wrong with Bruch’s Membrane in AMD and How to Fix It. 26th Annual Squaw Valley Retinal Symposium, Squaw Valley, CA

2006: Anti-VEGF therapy in the management of ocular disease. Grand Rounds, St Vincent’s Hospital, New York, NY

2006: Stem cell therapy of AMD. Macula 2006 meeting, Weill-Cornell Medical College of Cornell University and Manhattan Eye, Ear and Throat Hospital, New York, New York

2004: Retinal transplantation- The role of stem cells. Keynote address, Retina in Progress, Milan, Italy

2004: Section II: Photodynamic Therapy and Corticosteroids for AMD Retina 2004 Subspecialty Day: Everything You Ever Wanted to Know About Retina. New Orleans, Louisiana

2004: Cell and Tissue Transplantation for Retinal Degenerations. In: Retina: The Next Decade in Focus Virginia Society of Ophthalmology Annual meeting. Chantilly, VA

2002: The Role of Bruch's Membrane in the Behavior of Transplanted RPE. Clinical Approaches to Transplantation and Stem Cell Therapies for Inherited Retinal Degenerative Diseases. Workshop sponsored by the Foundation Fighting Blindness, Salt Lake City, Utah

2002: Visiting Professor, University of Illinois at Chicago. Retinal Pigment Epithelial Replacement for AMD: Past, Present and Future

2002: Visiting Professor, Lions Eye Research Institute, University of Louisville, Louisville, Kentucky

2001: Pars Plana Vitectomy and RPE Transplantation in Age-related Macular Degeneration. American Academy of Ophthalmology, New Orleans, LA

2001: Current and Future Status of RPE Transplantation in Age-related Macular Degeneration. A Symposium in Honor of Dr. Ray Margherio, Oakland University, Detroit, Michigan

2001: Atrophic Age-related Macular Degeneration: A Role for Retinal Pigment Epithlium Loss by Apoptosis in Human Eyes. A Symposium in Honor of Dr. Ray Margherio, Oakland University, Detroit, Michigan

2000: Future Directions in Retinal Cell Transplantation for the Management of Age-related Macular Degeneration. American Academy of Ophthalmology, Dallas, Texas

2000: Transplantation: What Does the Future Hold? New Developments in Retinal Disease and Vitreous Surgery, University of Maryland School of Medicine, Baltimore, MD

2000: RPE Transplantation in Submacular Surgery: Its Role for AMD. Universita degli Studi di Ancona, Istituto di Scienze Oftalmoilogie, Ancona, Italy

2000: Cell Transplantation Update. Macula 2000 meeting, New York, NY

1999: Will Transplanted Human RPE Survive on Diseased Bruch’s Membrane in Age-Related Macular Degeneration? Retina Society of Tokyo, Tokyo, Japan

1999: Retinal and Retinal Pigment Epithelial Cell Transplantation. University of Texas Southwestern Medical Center at Dallas

1999: Retinal and RPE Cell Transplantation. Course on New Approaches in Macular Degeneration. University of Texas Southwestern Medical Center at Dallas

1999: Vitreoretinal Surgery for Subfoveal Choroidal Neovascularization. Course on New Approaches in Macular Degeneration. University of Texas Southwestern Medical Center at Dallas

1998: Do We Have to Transplant Bruch's Membrane in Age-Related Macular Degeneration? Session on Transplantation in the Retina. International Congress of Eye Research, Paris

1998: The Role of Bruch’s Membrane in Survival of Transplanted Retinal Pigment Epithelium. International Congress of Ophthalmology, Amsterdam, Netherlands

1997: Retinal Pigment Epithelial Cell Transplantation: Experimental Studies. International Conference on New Developments in the Treatment of Age-related Macular Degeneration, Gardone, Italy

1997: RPE Reattachment to Bruch’s Membrane In Vitro. Foundation Fighting Blindness Meeting on Retinal Transplantation, New York, NY

1996: RPE Transplantation: What Do *In Vitro* Studies Teach Us? Platform Session on Cell Transplantation, International Congress for Eye Research, Yokohama, Japan

1995: Clinical and Laboratory Studies on the Surgical Approach to the Subretinal Space. Visiting Professor series, Washington National Eye Center, Washington Hospital Center, Washington, D.C

1995: Recovery of Vision after Surgery for Subretinal Neovascularization. Michaelson Symposium on Ocular Circulation and Neovascularization, Budapest, Hungary

1993: Presumed Ocular Histoplasmosis and Subretinal Neovascularization. Combined meeting of the American Academy of Ophthalmology and the American Uveitis Society, Chicago, Illinois

1992: Experimental and Surgical Aspects of Retinal Pigment Epithelial Cell Transplantation. Meeting of the International Ophthalmic Microsurgical Study Group, Bermuda

**Instructional Courses**

2005: Optical Coherence Tomography in Age-related Macular Degeneration, Columbia Unvieristy

2002: Nutrition and Eye Disease. Course Co-director with Dr. Janet Sparrow, March 2002. Columbia University

1999: Macular Surgery Course, American Academy of Ophthalmology annual meeting, Orlando, FL

1998: American Academy in Ophthalmology Annual Meeting, November 1998, New Orleans, LA

1998: Treatment of Age-related Macular Degeneration. American Academy in Ophthalmology Annual Meeting, New Orleans, LA

1998: American Academy in Ophthalmology Annual Meeting, New Orleans, LA. Choroidal Neovascularization (CNV): Case Presentation and Management Workshop

1998: Winter Update in Retina, Washington University School of Medicine. RPE Transplantation in Age-related Macular Degeneration

1997: Saint Luke’s Hospital Retina Course, Abnormalities of the Vitreoretinal Junction, St. Louis, MO

1996: Washington University Update: Eye Care for the Primary Care Physician. Management of Diabetic Retinopathy, St. Louis, MO

1995: European Congreess of Ophthalmology. Management of Cystoid Macular Edema, Milan, Italy

1994: Seventh Annual Update Course in Ophthalmology. (Course Director) Washington University School of Medicine, St. Louis, MO

1993: Sixth Annual Update Course in Ophthalmology. (Course Director) Washington University School of Medicine, St. Louis, MO

1993: American Academy in Ophthalmology Annual Meeting, Chicago, IL, Medical and Surgical Management of Pseudophakic Cystoid Macular Edema

1993: Fifth Annual Update Course in Ophthalmology. (Course Director) Washington University School of Medicine, St. Louis, MO

1993: Practical Ophthalmology for the Non-Ophthalmologist. Flashes and Floaters. Washington University School of Medicine, St. Louis, MO

1992: AIDS and the Eye. Diagnosis and Management of Retinal Detachments Secondary to CMV Retinitis. A multidiciplinary clinical symposium held at Washington University School of Medicine, St. Louis

1992: American Academy in Ophthalmology Annual Meeting, Dallas, Texas, Medical and Surgical Management of Pseudophakic Cystoid Macular Edema

1992: Fourth Annual Update Course in Ophthalmology (Course Director), Washington University School of Medicine, St. Louis, MO

1991: Update in Medical Retina and Uveitis (Course Director), Washington University School of Medicine, St. Louis, MO

1988: Laser Applications in Glaucoma, Laboratory Instructor. Meeting of the American Academy of Ophthalmology, Las Vegas, NV

**Professional Service**

**Journal Service**

**(Peer Reviewer within the last 2 months)**

Nature Medicine

American Journal of Ophthalmology

Archives of Ophthalmology

Current Eye Research

Experimental Eye Research

Investigative Ophthalmology and Visual Sciences

Ophthalmology

Retina

**Professional Service for Professional Organizations**

2008-Present Editorial Board, Journal of Ophthalmology

2005-Present Chairman, Regenerative Medicine and Cell Therapy Program (formerly Cell Based Therapy Program), July 1, 2005 - forward.

Member, Scientific Advisory Board

Foundation Fighting Blindness, Owings Mills, Maryland

2012-Present Scientific Advisory Board

Advanced Cell Technology, Boston, Mass.

2006 Ad hoc member of the Member of Special Emphasis Panel, National Eye Institute, EEY1 VSN (01), Bethesda, Maryland

1998-Present Member, National Scientific Advisory Council, American Federation for Aging Research

2011-2012 Member of the Board, University Medical Associates, Medical University of South Carolina

2002-Present Member, Liaison committee, Foundation Fighting Blindness Pathophysiology facility

2000 Ad hoc member of the Vision C Study Section, National Institutes of Health, Washington, DC

1999 Ad hoc member of the Vision C Study Section, National Institutes of Health, Washington DC

1999-2001 Member, Program Planning Committee (Retina), Association for Research in Vision and Ophthalmology

1995-1998 Board of Directors, Barnes Retina Institute, Barnes Hospital

1994-96 Quality Assurance Subcommittee Member, Barnes Hospital

**Meeting Planning/Participation**

2007-11 Member of the International Scientific Committee

Fondazione Retina 3000 (medical foundation)

Centro Oftalmologico, Milano, Italia

2001 Organizer and Member of the Scientific Committee, Second International Conference on New Developments in the Treatment of Age-related Macular Degeneration, Gubbio, Italy, June 2001

1997 Organizer and Member of the Scientific Committee, International Conference on New Developments in the Treatment of Age-related Macular Degeneration, Gardonne, Italy

**University Committees**

2012-present Access Management Committee, Medical University of South Carolina

2011-12 Faculty Compensation Committee, Medical University of South Carolina

2011-12 Medical Executive Committee, Medical University of South Carolina

2006-10 Practice Plan for Department of Ophthalmology, Physician Representative for Clinical Operations, Columbia University College of Physicians and Surgeons

2005-2011 Clinical Trials Advisory Committee, Columbia University

2004-2011 Executive Committee of the Faculty Council, Columbia University College of Physicians and Surgeons

2004-2011 Voting Member of the Faculty Council, Columbia University College of Physicians and Surgeons

1997-1998 Member, Executive Clinical Faculty, Department of Ophthalmology and Visual Sciences, Washington University School of Medicine

1995-1997 Member, Faculty Compensation Committee, Department of Ophthalmology and Visual Sciences, Washington University School of Medicine

**Bibliography**

1 **Del Priore LV**, Doyle C, Andrade JD. Characterization of Vapor-deposited Silver Films Exhibiting Surface-enhanced Raman Scattering by Raman and X-ray Photoelectron Spectroscopy. Applied Spectroscopy 36:69-71, 1982.

2 **Del Priore LV**, Lewis A. Calcium-dependent Activation and Deactivation of Rod Outer Segment Phosphodiesterase is Calmodulin-independent. Biochem Biophys Res Commun 113:317- 324, 1983.

3 **Del Priore LV**, Lewis A, Schaat KA. Membrane Structural Alterations in Malignant and Normal Avian Lymphocytes: A Raman Investigation. Membrane Biochemistry 5:97-107, 1984.

4 **Del Priore LV**, Lewis A. Vanadate, Tungstate and Molybdate Activate Rod Outer Segment Phosphodiesterase in the Dark. Biochem Biophysica Acta 845:81-85, 1985.

5. **Del Priore LV**, Guyton DL. The Jackson Cross Cylinder: A Reappraisal. Ophthalmology 93:1461-1465, 1986.

6. **Del Priore LV**, Lewis A, Carley WW, Webb WW. Fluorescence Light Microscopy of F-Actin in Retinal Rods and Glial Cells. Inv Ophthalmol Vis Sci 8:633-639, 1987.

7. Guyton DL, **Del Priore LV**. Letter to the Editor, The Jackson Cross Cylinder (Reply) Ophthalmology 94:893-894, 1987.

8. Pollack IP, Robin AL, Streisfeld DL, **Del Priore LV**, et al. Neodymium:YAG Laser: Histopathology of Effects Upon Monkey Trabecular Meshwork and Role in the Treatment of Open-angle Glaucoma. In: Glaucoma Update III. Ed: G. K. Krieglstein, Springer-Verlag, Berlin Heidelberg (1987), p. 185-193.

9. Lewis A, **Del Priore LV**. The Biophysics of Visual Photoreception. Physics Today 41:38-46, 1988.

10. **Del Priore LV**, Robin AL, Pollack IP. Long-term Follow-up of Neodymium:YAG Laser Angle Surgery for Open-angle Glaucoma. Ophthalmology 95:277-281, 1988.

11. **Del Priore LV**, Robin AL, Pollack IP. Neodymium:YAG versus Argon Laser Iridotomy for Pupillary Block Glaucoma. Ophthalmology 95:1207-1211, 1988.

12. **Del Priore LV**, Glaser BM, Quigley HA, Dorman ME, Green WR. Morphology of Pig Retinal Pigment Epithelium Maintained in Organ Culture. Arch Ophthalmology 106:1286-1290, 1988.

13. **Del Priore LV**, Glaser BM, Quigley HA, Green WR. Response of the Retinal Pigment Epithelium to Laser Photocoagulation In Vitro. Arch Ophthalmology l07:119-122, l989.

14. **Del Priore LV**, Michels RG, Nunez MA, Smiddy W, Glaser BM, de Bustros S. Intraocular Pressure Measurement after Pars Plana Vitrectomy. Ophthalmology 96:1353-1356, 1989.

15. **Del Priore LV**, Miller NR. Trigeminal Schwannoma as a Cause of Chronic Isolated Sixth Nerve Palsy. Am J Ophthalmol 108:726-729,1989.

16. Schwartz AL, **Del Priore LV**. The Evolving Role of Argon Laser Trabeculoplasty in Glaucoma. Ophthalmology Clinics of North America 4:827-838, 1991.

17. **Del Priore LV**. Eye Damage from a Solar Eclipse. In Totality: Eclipses of the Sun. M. Littmann and K. Willcox, University of Hawaii Press, Honolulu, 1991 pp. 130-131.

18. **Del Priore LV**, Kaplan HJ, Silverman MS, Valentino T, Mason G, Hornbeck R. Experimental and Surgical Aspects of Retinal Pigment Epithelial Cell Transplantation. Eur J Implant Ref Surg 5:128-132, 1993.

19. **Del Priore LV**. Surgical Management of Idiopathic Macular Holes. European Journal of Ophthalmology 4:35-42, 1994.

20. Bynoe LA, Chang TS, Funata M, **Del Priore LV**, Kaplan HJ, Green WR. Histopathologic Examination of Vascular Patterns in Subfoveal Neovascular Membranes. Ophthalmology 101:1112-1117, 1994.

21. Arfken C, Salicrup A, Meuer S, **Del Priore LV**, Klein R, J. McGill, Rucker C, White N, Santiago J. Retinopathy in African Americans and Whites with Insulin Dependent Diabetes Mellitus. Arch Intern Medicine 154:2597-2602, 1994.

22. **Del Priore LV,** Kaplan HJ, Bonham R. Laser Photocoagulation and Fluid-Gas Exchange for the Treatment of Recurrent Macular Hole. Retina 14:381-382, 1994.

23. De Ungria JM, **Del Priore LV**, Hart W. Abnormal Disc Vessels after Diabetic Papillopathy. Arch Ophthalmol 113:245-246, 1995.

24. Desai VN, **Del Priore LV**, Kaplan HJ. Choriocapillaris Atrophy after Submacular Surgery in the Presumed Ocular Histoplasmosis Syndrome. Arch Ophthalmol 113:409-410, 1995.

25. Valentino TL, Kaplan HJ, **Del Priore LV**, Fang SR, Berger A, Silverman MS. Retinal Pigment Epithelial Repopulation in Monkeys after Submacular Surgery. Arch Ophthalmol 113:932-938, 1995.

26. Matsumoto B, **Del Priore LV**. Transretinal Membrane Formation in Diffuse Unilateral Subacute Neuroretinitis. Retina 15:146-149, 1995.

27. **Del Priore LV**, Hornbeck R, Kaplan HJ, Jones Z, Valentino TL, Mosinger-Ogilvie J, Swinn M. Debridement of the Pig Retinal Pigment Epithelium In Vivo. Arch Ophthalmol 113:939-944, 1995.

28. Adelberg DA, **Del Priore LV**, Kaplan HJ. Surgery for Subfoveal Membranes in Myopia, Angioid Streaks, and Other Disorders. Retina 15:198-205, 1995.

29. **Del Priore LV**, Kaplan HJ. Pathogenesis of Age-related Macular Degeneration (letter). Ophthalmology 102:1125-1126, 1995.

30. Akduman LA, **Del Priore LV**, Kaplan HJ, Meredith TA. Uveal Effusion Syndrome Associated with Primary Pulmonary Hypertension and Vomiting. Am J Ophthalmology 121:578-580, 1996.

31. Tezel TH, **Del Priore LV**. Density-dependent Growth Regulation of Pig Retinal Pigment Epithelial Cells In Vitro. Graefe’s Arch Clinical and Experimental Ophthalmology 234:S89-95, 1996.

32. Pollack JS, **Del Priore LV**, Smith ME, Feiner MA, Kaplan HJ. Postoperative Abnormalities of the Choriocapillaris in Exudative Age-related Macular Degeneration. Brit J Ophthalmol 80:314-318, 1996.

33. Akduman LA, Kolker AE, Black DL, **Del Priore LV**, Kaplan HJ. Treatment of Persistent Glaucoma Secondary to Periocular Corticosteroids. Am J Ophthalmol 122:275-277, 1996.

34. **Del Priore LV**, Kaplan HJ, Hornbeck R, Jones Z, Swinn M. Retinal Pigment Epithelial Debridement as a Model for the Pathogenesis and Treatment of Macular Degeneration. Am J Ophthalmol 122:629-643, 1996.

35. Tezel TH, Del **Priore LV**, Flowers BE, Grosof D, Benenson IL, Zamora RL, Kaplan HJ. Correlation between Scanning Laser Ophthalmoscope (SLO) Microperimetry and Anatomic Abnormalities in Patients with Subfoveal Neovascularization. Ophthalmology 103:1829-1836, 1996.

36. Zamora RL, **Del Priore LV**, Storch GA, Gelb LD, Sharp J. Multiple Recurrent Branch Retinal Artery Occlusions Associated with Varicella Zoster Virus. Retina 16:399-404, 1996.

37. Ho TC, **Del Priore LV**, Kaplan HJ. En Bloc Transfer of Extracellular Matrix In Vitro. Curr Eye Res 15:991-997, 1996.

38. Akduman LA, **Del Priore LV**, Kaplan HJ, Powderly WG. Rifabutin-induced Vitritis in AIDS Patients. Ocular Immunology and Inflammation 4:219-224, 1996.

39. Ho TC, **Del Priore LV**, Kaplan HJ. Tissue Culture of Retinal Pigment Epithelium Following Isolation with a Gelatin Matrix Technique. Exp Eye Research 64:133-139, 1997.

40. Akduman LA, Desai VN, **Del Priore LV**, Olk RJ, Kaplan HJ. Visual Improvement After Subfoveal Surgery in POHS Depends on Perfusion of Subfoveal Choriocapillaris. Am J Ophthalmol 123:90-96,1997.

41. Ho TC, **Del Priore LV**. Reattachment of Human Retinal Pigment Epithelium to Extracellular Matrix and Human Bruch’s Membrane. Invest Ophthalmol Vis Sci 38:1110-1118,1997.

42. Tezel TH, **Del Priore LV**, Kaplan HJ. Reattachment to a Substrate Prevents Apoptosis of Human Retinal Pigment Epithelium. Graefe’s Arch Clin Exp Ophthalmol 235:41-47, 1997.

43. Berman A, **Del Priore LV**, Fischer CK. Endogenous Ochrobactrum Anthropi Endophthalmitis. Am J Ophthalmol 123:560-562, 1997.

44. Akduman LA, Adelberg DA, **Del Priore LV**. Nanophthalmic Uveal Effusion Managed with Scleral Windows and Topical Mitomycin-C. Ophthalmic Surgery and Lasers 28:325-327, 1997.

45. **Del Priore LV**, Kaplan HJ, Berger AS. Retinal Pigment Epithelial Transplantation in the Management of Subfoveal Choroidal Neovascularization. Seminars in Ophthalmology 12:45-55, 1997.

46. Ho TC, **Del Priore LV**, Hornbeck R. Effect of Mitomycin-C on Human Retinal Pigment Epithelium in Tissue Culture. Curr Eye Res 16:572-576, 1997.

47. Tezel TH, **Del Priore LV**, Kaplan HJ. Harvest and Storage of Adult Human Retinal Pigment Epithelial Sheets. Curr Eye Res 16:802-809, 1997.

48. Berger AS, Conway M, **Del Priore LV**, Walker RS, Pollack JS, Kaplan HJ. Submacular Surgery for Subfoveal Choroidal Neovascular Membranes in Patients With Presumed Ocular Histoplasmosis. Arch Ophthalmology 115:991-996, 1997.

49. Akduman LA, Arribas JR, **Del Priore LV**, Kaplan HJ, Powderly WG. Major blinding complication of acquired immune deficiency syndrome (AIDS) [letter]. Retina 17:167-8, 1997.

50. Kaplan HJ, Tezel TH, Berger AS, Wolf ML, **Del Priore LV**. Human Photoreceptor Transplantation in Retinitis Pigmentosa: A Safety Study. Arch Ophthalmol 115:1168-1172, 1997.

51. Berman AJ, **Del Priore LV**. Ophthalmologic Aspects of HIV Infection. Chapter 16, pp. 124-132. In: Manual of HIV Therapeutics. Ed: William G. Powderly, MD. Lippincott-Raven, Philadelphia-New York, 1997.

52. Bynoe LA, **Del Priore LV**, Hornbeck R. Photosensitization of Retinal Pigment Epithelium by Protoporphyrin IX. Graefe’s Arch Clin Exp Ophthalmol 236:230-233, 1998.

53. Tezel TH, **Del Priore LV**, Kaplan HJ. Posterior Vitreous Detachment with Dispase. Retina 18:7-15, 1998.

54. **Del Priore LV**, Tezel TH. Reattachment Rate of Human Retinal Pigment Epithelium to Layers of Human Bruch’s Membrane. Arch Ophthalmol 116;335-341, 1998.

55. Akduman LA, **Del Priore LV**, Kaplan HJ. Spontaneous Resolution of Retinal Detachment Occurring after Macular Hole Surgery. Arch Ophthalmol 116:465-467, 1998.

56. **Del Priore LV**, Tezel TH, Ho TC, Kaplan HJ. The Role of Bruch’s Membrane in Survival of Transplanted Retinal Pigment Epithelium. In: Proceedings of the First International Conference on New Developments in the Treatment of Age-related Macular Degeneration (Ed: G. Panozzo, M. Zarbin, A. Capone, L.V. Del Priore, E. de Juan), 1998; p 145-151.

57. Kaplan HJ, **Del Priore LV**, Berger AS, Tezel TH. RPE Transplantation in Age-Related Macular Degeneration. In: Proceedings of the First International Conference on New Developments in the Treatment of Age-related Macular Degeneration (Ed: G. Panozzo, M. Zarbin, A. Capone, L.V. Del Priore, E. de Juan), 1998, p. 161-164.

58. Kaplan HJ, Berger AS, Tezel TH, **Del Priore LV**. Photoreceptor Transplantation in Retinitis Pigmentosa. In: Proceedings of the First International Conference on New Developments in the Treatment of Age-related Macular Degeneration (Ed: G. Panozzo, M. Zarbin, A. Capone, L.V. Del Priore, E. de Juan), 1998, p. 193-197.

59. Atebara NH, Thomas MA, Holekamp NM, Mandell BA, **Del Priore LV**. Surgical Removal of Extensive Peripapillary Choroidal Neovascularization Associated with Presumed Ocular Histoplasmosis Syndrome. Ophthalmology 1998;105:1598-1605.

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