52nd ANNUAL
C.S. O’Brien Professorship

39th ANNUAL
Tulane Eye Alumni Day

June 9 – 10, 2017

Renaissance New Orleans
Pere Marquette Hotel
817 Common Street
New Orleans, LA 70112
We gratefully acknowledge our generous sponsors:

Abbott
Alcon
Allergan
Armamentarium
Bausch + Lomb
Bayou Ophthalmic Instruments
ellex
Glaukos
Heidelberg Engineering
Johnson & Johnson Vision
New World Medical, Inc.
OCuSOFT
Southern Eye Bank
Stryker
- Delmar R. Caldwell, MD  
  Professor / Chairman  
  Cornea & External Disease

- Kyle V. Acosta, MD  
  Clinical Assistant Professor, Ophthamlic Plastic & Reconstructive Surgery

- Ramesh S. Ayyala, MD, FRCS  
  Professor / Director, Residency Program  
  Glaucoma / Anterior Segment Surgery

- Susan E. Azar, MD  
  Assistant Professor, Comprehensive & Pediatric Ophthalmology

- Diane A. Blake, PhD  
  Adjunct Professor, Biochemistry

- Victor M. Carriere, MD  
  Clinical Assistant Professor  
  Comprehensive Ophthalmology  
  VA New Orleans

- Candace C. Collins, MD  
  Clinical Assistant Professor  
  Pediatric Ophthalmology & Strabismus

- Mandi D. Conway, MD  
  Clinical Professor, Retina-Vitreous

- Edgar M. Dapremont, MD  
  Clinical Assistant Professor  
  Service Chief, VA Biloxi  
  Comprehensive Ophthalmology

- Brandon L. Davis, MD  
  Assistant Professor, Retina-Vitreous

- James G. Diamond, MD  
  Professor Emeritus, Retina-Vitreous  
  VA New Orleans

- Corey B. Dickson, COA  
  Instructor / Contact Lens Specialist

- Miles H. Friedlander, MD, FACS  
  Professor, Refractive Surgery

- Robert A. Gordon, MD, FAAP  
  Associate Professor  
  Pediatric Ophthalmology & Strabismus

- Peggy H. Gramates, MD  
  Clinical Assistant Professor  
  Cornea & External Disease  
  VA Alexandria

- Avit J. Gremillion, MD  
  Clinical Assistant Professor  
  Retina-Vitreous

- Benjamin V. Guidry, MD  
  Clinical Assistant Professor  
  Retina-Vitreous

- James R. Hardin, MD  
  Clinical Assistant Professor  
  Service Chief, VA Alexandria

- Janet C. Harrison, MD  
  Clinical Assistant Professor

- Arley G. Jaramillo, MD  
  Clinical Assistant Professor  
  Retina-Vitreous

- Peter R. Kastl, MD, PhD  
  Professor / Chief, Rapides  
  Cornea / Anterior Segment

- Curtis E. Margo, MD  
  Instructor, Ocular Pathology

- Rebecca C. Metzinger, MD  
  Associate Professor  
  Service Chief, SLVHCS  
  Cornea / Anterior Segment

- Gholam A. Peyman, MD  
  Professor Emeritus, Retina-Vitreous

- Thomas R. Robinson, MD  
  Clinical Instructor, Comprehensive Ophthalmology, VA Alexandria

- Robert D. Ross, MD  
  Clinical Assistant Professor  
  Retina-Vitreous Disease

- Joseph P. Rumage, MD  
  Low Vision

- Joel G. Sacks, MD  
  Professor Emeritus, Neuro-Ophthalmology

- Alejandra A. Valenzuela, MD  
  Professor, Orbital, Lacrimal, and Oculoplastic Diseases and Surgery  
  Orbital and Ocular Oncology

- Jared M. Vincent, MD  
  Clinical Assistant Professor, Glaucoma
A special thanks to all who have helped Tulane University Department of Ophthalmology Residents and Fellows throughout the 2016-2017 academic year.

2017 Fellows

Lena Al-DuJaili, MD
John P. Eitzen, MD

2017 Senior Residents

Ze Zhang, MD
Chief Resident
Eric J. Areiter, MD
Nisha V. Shah, MD
Clayton A. Stevens, MD
F. Beau Swann, MD

Second Year Residents

Joshua R. Ford, MD
Joshua W. Frenkel, MD
Crystal P. Le, MD
C. Drew Salisbury, MD
Aleksandr Yelenskiy, MD

First Year Residents

Sara De La Rosa, MD
Nishika R. Muddasani, MD
Michael A. Puente, Jr., MD
Daniel R. Salisbury, MD
Audra A. Zimmer, MD

2018 Fellow

Brett C. Budden, MD
Christopher A. Girkin, MD, MSPH, FACS, FARVO is the chairman of the University of Alabama at Birmingham (UAB) Department of Ophthalmology. He completed a fellowship in neuro-ophthalmology at the Wilmer Eye Institute at Johns Hopkins Homocysteine Serum Levels in Diabetic Retinopathy and was a Heed Glaucoma Fellow at the Hamilton Glaucoma Center at the University of California, San Diego. He joined the UAB faculty and founded the Glaucoma Service in 1999. Since becoming chairman in 2012, he has recruited 18 new faculty members. This growth has resulted in an increase in annual NIH research revenue from $1.8 to over $5 million while expanding the clinical practice to create the largest multispecialty integrated ophthalmology/optometry group in Alabama, seeing over 90,000 patients visits in 2016 in 15 regional practice locations.

Dr. Girkin has authored or coauthored over 350 journal articles, abstracts, and book chapters and has served on the editorial board for several ophthalmic journals. His research explores the causes of racial disparities in glaucoma and focuses on the effects of aging and disease on the morphometry and biomechanics of the optic nerve. His laboratory has received continuous funding from the National Eye Institute for 14 years, in addition to several foundation and industry grants that have brought over $15 million in extramural funding.

Dr. Girkin has served as the Secretary for the American Glaucoma Society (AGS), as program chair for several national and international meetings including the AGS meeting, the glaucoma program for Association for Research in Vision and Ophthalmology (ARVO) and American Academy of Ophthalmology (AAO) Glaucoma Subspecialty day. He currently Chairs the AAO Basic Science Review Course for glaucoma. He has been awarded the American Glaucoma Society Clinician-Scientist Award, the Research to Prevent Blindness Clinician-Scientist Award, EyeSight Foundation Eminent Scholar Award, the Ronald Lowe Medal, the AAO Senior Achievement Award, the “Best Doctors in America” award yearly since 2003 and is a fellow of ARVO and the American College of Surgeons. He has delivered over 270 lectures to practitioners and researchers throughout the world.
Gus Stern completed his ophthalmology residency at Tulane University. He then completed a fellowship in Cornea and Glaucoma at Tulane University. He is in private practice in Maryland doing general ophthalmology. He enjoys going on mission trips with a fellow Tulane alum Dr Ryan Rush. Most recently, he traveled to Montemorelos with Medical Ministry International where a team of four surgeons performed 320 cataract surgeries on indigent patients. Dr. Stern is a co-founder of OphthoQuestions which has users from over 70 countries and is used by the overwhelming majority of Ophthalmology residents in the United States to prepare for their board exams. In addition, Dr. Stern is a technical adviser for ODQuestions, RadOncoQuestions, OTQuestions, neuroquestions, atcquestions, hemoncreview, and eyetechquestions.

Dr. Stern completed his ophthalmology residency at Tulane University and was elected the Chief Resident during his senior year. He then completed an elective fellowship in Cornea and Glaucoma at Tulane University.

Dr. Stern is one of the first surgeons in the country certified on the use of a femtosecond laser to remove cataracts. He is the only surgeon in the state certified on both the AMO Catalys Laser and Alcon’s LenSx Laser. Dr. Stern is the most experienced laser-assisted cataract surgeon in the region.

Dr. Stern loves the field of Ophthalmology and continues to study it outside of work. He is particularly interested in Ophthalmology residency education. Dr. Stern is a co-founder of OphthoQuestions which has users from over 70 countries and is used by the overwhelming majority of Ophthalmology residents in the United States to prepare for their board exams. He is also a co-founder of ODQuestions.

Dr. Stern enjoys spending time with his wife Dr. Kirra Brandon, a pediatric dermatologist, and his four young daughters Maebelle, Adelaide, Etta, and Stella.
Friday, June 9, 2017

8:00 am  Registration/Continental Breakfast

8:55 am  Welcome Address
  • Delmar R. Caldwell, MD

**SESSION CHAIR:**  Ramesh S. Ayyala, MD

9:00 am  OCT Angiography Compared with Fundus Flourescein Angiography in Patients with Branch Retinal Vein Occlusion
  • Eric J. Areiter, MD
  • Ramesh S. Ayyala, MD

9:15 am  Micropulse Transscleral Cyclophotocoagulation: Intermediate Term Safety and Efficacy
  • Aleksandr Yelenskiy, MD
  • Ramesh S. Ayyala, MD

9:30 am  Virtual Reality-Based Visual Field Device: An Update
  • Joshua W. Frenkel, MD
  • Ramesh S. Ayyala, MD

9:45 am  Comparison of Surgical Outcomes Between the iStent Trabecular Microbypass Device and Ab Interno Trabeculectomy Using the Kahook Dual Blade in Open Angle
  • Crystal P. Le, MD
  • Ramesh S. Ayyala, MD

10:00 am  Current Status and Innovations in Keratoprosthesis Design
  • John P. Eitzen, MD
  • Delmar R. Caldwell, MD

10:15 am  BREAK
SESSION CHAIR: Peter R. Kastl, MD, PhD

10:30 am  Tulane Ophthalmology Resident Surgical Trends Over the Past Ten Years
• C. Drew Salisbury, MD
• Delmar R. Caldwell, MD

10:45 am  Comparison of Image Quality and Utility of Ocular Ultrasound Modalities
• Michael A. Puente, Jr., MD
• Robert A. Gordon, MD

11:00 am  Utility of Anterior Segment OCT in Detection of Graves Orbitopathy
• Sara De La Rosa, MD
• Susan E. Azar, MD

11:15 am  Wipe Out: A Thing of the Past or Does It Still Exist?
• Lena Al-DuJaili, MD
• Ramesh S. Ayyala, MD

11:30 am  A Novel Slow Release Biocompatible Antibiotic Polymer
• Ze Zhang, MD
• Ramesh S. Ayyala, MD
• Diane A. Blake, PhD

11:45 am  LUNCH (on your own)

SESSION CHAIR: Susan E. Azar, MD

1:15 pm  Adaptation of Luminance to the Naugle Exophthalmometer
• F. Beau Swann, MD
• Thomas Naugle, Jr., MD

1:30 pm  Prognostic Value of the Staging System for Eyelid Tumors in the 7th Edition of the American Joint Committee on Cancer Staging Manual
• Joshua R. Ford, MD
• Alejandra A. Valenzuela, MD
Friday, June 9, 2017 - Cont’d

1:45 pm The Use of Fluocinolone Acetonide Intravitreal Implant (Iluvien™) for the Treatment of Recurrent Severe Diabetic Macular Edema
   • Nishika R. Muddasani, MD
   • Avit Gremillion, MD

2:00 pm Pre-operative Risk Checklist for Resident Cataract Surgery: Does this Help Residents Prepare for Potential Complications and Improve Surgical Outcomes?
   • Audra A. Zimmer, MD
   • Susan E. Azar, MD

2:15 pm BREAK

SESSION CHAIR: Candace C. Collins, MD

2:30 pm Long Term Outcomes of iStent: a Retrospective Study
   • Daniel R. Salisbury, MD
   • Jared M. Vincent, MD

2:45 pm Early Experience with the Cypass Micro Stent
   • Clayton A. Stevens, MD
   • Jared M. Vincent, MD

3:00 pm Homocysteine Serum Levels in Diabetic Retinopathy
   • Nisha V. Shah, MD
   • Robert D. Ross, MD

3:15 pm Introduction of the 39th Annual James Allen Guest Lecturer/Outstanding Tulane Eye Alumnus – Gus Stern, MD
   • Robert A. Gordon, MD

3:20 pm OphthoQuestions: A Six Year Review
   • Gus Stern, MD

Meeting adjourned
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am</td>
<td>Registration/Continental Breakfast</td>
<td></td>
</tr>
<tr>
<td>8:55 am</td>
<td>Welcome Address</td>
<td>Delmar R. Caldwell, MD</td>
</tr>
<tr>
<td>9:00 am</td>
<td>Concussed! What to Do?</td>
<td>Ramesh S. Ayyala, MD</td>
</tr>
<tr>
<td>9:15 am</td>
<td>Distribution of Ophthalmologists and Optometrists in the US</td>
<td>Peter R. Kastl, MD, PhD</td>
</tr>
<tr>
<td>9:30 am</td>
<td>Update on Zika Virus in the Eye and in the Brain</td>
<td>Mandi D. Conway, MD</td>
</tr>
<tr>
<td>9:45 am</td>
<td>Data! Utility in Modern Medical Practice</td>
<td>Paul Lee, MD</td>
</tr>
<tr>
<td></td>
<td>Western New York Retina Consultants, Buffalo, NY</td>
<td></td>
</tr>
<tr>
<td>10:00 am</td>
<td>Novel Broad Spectrum Antimicrobial is an Effective Medical Sterilant</td>
<td>Rebecca C. Metzinger, MD</td>
</tr>
<tr>
<td></td>
<td>and Therapeutic Option for Treatment of Acanthamoeba Keratitis</td>
<td></td>
</tr>
<tr>
<td>10:15 am</td>
<td>BREAK</td>
<td></td>
</tr>
<tr>
<td>10:30 am</td>
<td>Pediatric Ophthalmology Update</td>
<td>Robert A. Gordon, MD</td>
</tr>
<tr>
<td>10:45 am</td>
<td>Follow Up on Holographic Adaptive Optic Phoropter</td>
<td>Gholam A. Peyman, MD</td>
</tr>
<tr>
<td>11:00 am</td>
<td>Cornea Update</td>
<td>Delmar R. Caldwell, MD</td>
</tr>
<tr>
<td>11:15 am</td>
<td>Introduction of the 52nd C.S. O’Brien Professor – Christopher A.</td>
<td>Delmar R. Caldwell, MD</td>
</tr>
<tr>
<td></td>
<td>Girkin, MD, MSPH, FACS, FARVO</td>
<td></td>
</tr>
<tr>
<td>11:20 am</td>
<td>Changes in the Morphology of Optic Nerve and Lamina Cribosa and the</td>
<td>Christopher A. Girkin, MD, MSPH, FACS</td>
</tr>
<tr>
<td></td>
<td>Pathogenesis of Glaucoma</td>
<td></td>
</tr>
</tbody>
</table>

Meeting adjourned
Administrative Staff

- Susan M. DeRocha
  Administrative Secretary
- Doris Fortune
  Administrative Assistant
- Lajoie Butch Gomez
  Optician
- Sheila M. Lawshe
  Resident Program Coordinator
- Christine R. Quebedeaux
  Executive Secretary
- E. Trey Roche
  Accountant
- Nancy Bladsacker, OA
  Ophthalmic Assistant
- Tina Cline-Mullins
  Practice Manager
- Jean Corley, COT
  Certified Ophthalmic Technologist
- Jyan Crayton, CRA
  Certified Retinal Angiographer/Photographer
- Chantrell Dauphine
  Customer Service Coordinator
- Fanny Davadi, OA
  Ophthalmic Assistant
- Renata Loya
  Customer Service Coordinator
- Danielle Mercer, COA
  Certified Ophthalmic Assistant
- Jeana Meyers
  Customer Service Coordinator
- Hathanh Nguyen, COA
  Certified Ophthalmic Assistant
- Darleen Pierre
  Patient Registration
- Casey Smith, COMT
  Certified Ophthalmic Medical Technologist
  Lead Tech
- Tiffany Taylor, COA
  Certified Ophthalmic Assistant

Clinic Staff

- Nancy Bladsacker, OA
  Ophthalmic Assistant
- Tina Cline-Mullins
  Practice Manager
- Jean Corley, COT
  Certified Ophthalmic Technologist
- Jyan Crayton, CRA
  Certified Retinal Angiographer/Photographer
- Chantrell Dauphine
  Customer Service Coordinator
- Fanny Davadi, OA
  Ophthalmic Assistant
- Renata Loya
  Customer Service Coordinator
- Danielle Mercer, COA
  Certified Ophthalmic Assistant
- Jeana Meyers
  Customer Service Coordinator
- Hathanh Nguyen, COA
  Certified Ophthalmic Assistant
- Darleen Pierre
  Patient Registration
- Casey Smith, COMT
  Certified Ophthalmic Medical Technologist
  Lead Tech
- Tiffany Taylor, COA
  Certified Ophthalmic Assistant

For those who reserved a place at dinner,
join us Saturday, June 10 in the Storyville Ballroom.

Reception 6:30 pm • Dinner 7:30 pm
Save the Date

Please join us next year for the 53rd Annual C.S. O’Brien Professorship and 40th Annual Tulane Eye Alumni Day

June 8th and 9th, 2018