Welcome to the Krieger Eye Institute

Ophthalmology Residency Program

Laura K. Green, MD
Residency Program Director

Anthony Castelbuono, MD
Associate Program Director

Donald A. Abrams, MD
Department Chair
KEI wants you

- Selective process
- 300+ applied
- 40 interviewed
- 2 will match
You are special

- Careful application review
- Each of you has special qualities that were noticed by our faculty reviewers
Why KEI?

- Polled residents, fellow and faculty
Why KEI? – what they said

- Excellence
- Dedication
- Innovation
- Teaching
- Personalized
- Exposure
- Resident Clinic
- Baltimore
- Opportunity
Why KEI?

- **Excellence**
  - Highest standards of patient care and residency education
  - Fully accredited
  - OKAPs
  - Fellowship match success
Why KEI?

- Dedication
  - 10 full time faculty
  - 6 part-time faculty
  - All specialties covered
Why KEI?

- Innovation
  - Use technology to enhance learning – iPad
  - Hub
  - Kitaro dry/wet lab
  - Eyesi surgical simulator
  - Treatment
  - Technology
Why KEI?

- Personalized
  - One on one and small group teaching
  - You can’t get lost in the crowd
  - Wet lab curriculum
  - Surgical curriculum
  - Research curriculum
Why KEI?

- Teaching
  - Dedicated teaching faculty
  - One on one
  - Wet labs
  - Surgical curriculum
  - Daily lectures
  - Clinic
  - Grand rounds
Why KEI?

- Exposure
  - Referral center
  - Zebras and horses
  - Case reports and case series
Why KEI?

- Resident Clinic
  - Autonomy with appropriate supervision
  - You build up your clinic
  - Continuity/patient relationships
  - Pre/post surgical care
  - Over 6000 visits per year
  - Well over 120 cataracts per year
Why KEI?

- Baltimore
  - Livable
  - Affordable
  - Diverse
  - Fun
Why KEI?

- Opportunity
  - From here you can go anywhere
  - Fellowships - UT/Southwestern, Iowa, Mass. Eye and Ear, University of Florida, Baylor, UC Davis, Bascom Palmer, Boston University
  - Join our faculty - Drs. Abrams, Hirschbein, Altman, Castelbuono, Pillai and Winkler trained here
  - Private practice
Sinai Hospital

- Founded in 1866 as a nonprofit institution with a mission of providing teaching, research, and quality patient care.
Sinai Hospital of Baltimore

- Shares many of the characteristics of a university-based teaching hospital
  - 140 resident physicians and fellows based at Sinai
  - Approximately 400 medical students receive clinical training each year
Sinai Residency Programs

- Ophthalmology
- General Surgery
- Pediatrics
- Obstetrics and Gynecology
- Physical Medicine and Rehabilitation
- Internal Medicine JHU / Sinai
The Krieger Eye Institute

- Sinai Ophthalmology Clinic was founded in 1941 by Herman Krieger Goldberg, MD
- Irvin Pollack, MD established the Krieger Eye Institute at Sinai Hospital with the generosity of Mr. and Mrs. Zanvyl Krieger in 1991
- Donald Abrams, MD became chair in 2005.
The Krieger Eye Institute

- 20+ examination lanes
- 8 diagnostic testing rooms
- Minor surgical procedure suite / Microsurgical practice lab
- 2 perimetry rooms (Humphrey and Goldmann perimeters)
- 4 laser rooms (Argon, YAG, Argon/YAG, Sciton)
- Contact lens center
- On-site up-to-date ophthalmology library
The Krieger Eye Institute

- Complete ophthalmic imaging center
  - digital angiography (FA/ICG)
  - specular microscopy
  - confocal scanning laser ophthalmoscopy
  - Pentacam
  - optical coherence tomography (3D)
  - digital slit lamp and fundus photography
  - digital B scan
  - IOL Master
  - immersion ultrasound

- More than 30,000 patients per year
Krieger Eye Institute at Quarry Lake

- 11 exam lanes
- 3 diagnostic testing rooms
- Minor procedure room
- OCT, digital fundus camera
- Humphrey Visual Fields
- Pentacam
- IOLMaster, immersion ultrasound
- Optical shop (with a 40% discount!)
Krieger Eye Institute at Northwest Hospital

- 6 exam lanes
- 3 diagnostic testing rooms
- Minor procedure room
- OCT, FA, digital fundus camera
- Humphrey Visual Fields
- Pentacam
- IOLMaster, immersion ultrasound
- Optical shop (with a 40% discount!)
The Krieger Eye Institute
5th Floor

- 6 fully equipped exam lanes
- Technician coverage
- 2 full time front desk staff
- Personal desk for each resident with locking cabinets
- Personal computer for each resident
- Office of Residency Coordinator, Wendy Schnitzer
- Dr. Theresa Kramer, comprehensive ophthalmologist, research director and ophthalmic pathologist
The first Ophthalmology resident was appointed in 1946

ACGME fully approved residency to double in size in 1983

Forty-four ophthalmology residents were trained at the Sinai Hospital freestanding program between 1983 and 1997
Ophthalmology Training Legacy

- A successful joint residency program was established with Johns Hopkins in 1997
- KEI re-established independent residency program in 2007 with full ACGME accreditation renewed until 11/2014
- First class matriculated in 2007 and graduated on 2010
Program Coordinator
Wendy Schnitzer

- Office adjacent to the residents’ offices
- Coordinates daily schedules and conferences
- Schedules surgeries and medical clearance
Structure of Residency

- 2 Residents per PGY year
- Rotations by PGY year with emphasis toward creating a continuum of proficiency in clinical and surgical skills
- 50% resident clinic, 50% attending clinic
- No required rotations outside of Baltimore
General Eye Service

- Continuous clinic for more than 40 years
- Approximately 6000 visits a year
- Sinai Hospital’s medical clinic patients, emergency department and inpatient consults, referrals from the surrounding Northwest Baltimore communities
- Senior Resident and Attending Subspecialist Supervision at all times
- Attendings are assigned coverage days
First Year (PGY-2) Rotations

- General Eye Service
- Peds/Neuro
- Cornea
- Oculoplastics (OR)
- Anterior segment surgery
- Community service projects
- Low Vision
- Community Peds
Second Year (PGY-3) Rotations

- Glaucoma (OR)
- Retina
- Neuro-ophthalmology
- Pediatric ophthalmology (OR)
- General Eye Service
- Levindale Comprehensive Care
- Ophthalmic Pathology
- Community service projects
- Community Peds
Third Year (PGY-4) Rotations

- General Eye Service
- Vitreoretinal (OR)
- Cataract / Anterior Segment (OR)
- Healthcare for the Homeless
Academic Activities

- Daily Lectures
- Weekly Grand Rounds
- Cornea Clinic
- Oculoplastics Rounds
- Quarterly Morbidity and Mortality
- Monthly Journal Clubs
- Annual Meetings
  - Krieger Symposium
  - AAO (3rd years)
  - Local Meetings (Maryland Society, Current Concepts, Wills Peds, etc.)
Academic Activities

- Monthly path rounds with ocular pathologist
- Monthly wet lab with KEI ophthalmologists
- Kitaro dry lab for capsulorhexis practice
- Eyesi surgical simulator
- Baltimore cataract course
- Alcon CORE cataract course
- Mass Eye and Ear Cataract course
Community Service

- Healthcare for the Homeless
- Vision Van
- Maryland society for sight glaucoma screenings at KEI
- Community vision screenings
Healthcare for the Homeless

- Funding to provide care for indigent
- Resident patients
- Resident surgery
- Follow up and follow through for patients
- Community service
- Faculty donate time
Technology

- iPad
- BSCS in iBooks
- Projector compatible with iPad/iPhone
- Departmental DropBox
- Google Docs
- Off site login to hospital EMR and ophthalmology images
- Fully integrated EMR
International Electives

- Aravind Eye Institute
  - One month elective
  - 3rd year
  - SICS, extracapsular cataract surgery

- Haiti Medical Mission
  - Oculoplastics and phaco
Faculty

- Two glaucoma specialists
- Three ophthalmic plastic, orbital tumor and reconstructive surgeons
- Two medical retina / vitreoretinal surgeon
- Three cornea, external disease and refractive specialists
- One uveitis specialist
- One pediatric ophthalmologist
- One neuro-ophthalmologist
- One ophthalmic pathologist
- Four comprehensive ophthalmologists
- Contact lens specialist optometrist
- Low vision
- Community pediatric, retina, refractive
Faculty Training

- Sinai Hospital of Baltimore
- Harvard/Mass. Eye and Ear
- Wilmer Eye Institute
- Doheny Eye Institute/USC
- Bascom Palmer
- Emory University
- Vanderbilt University
- Duke University
- Albert Einstein/Montefiore
- Children’s Hospital of Michigan
- Medical College of Pennsylvania
- Albany Eye Physicians and Surgeons
- University of Maryland
- University of Miami
- Georgetown University
- University of Illinois Chicago
- Scheie Eye Institute
Past Residents

- **Class of 2010**
  - **Carl Sloan**
    - Fellowship: glaucoma at UT/Southwestern
    - Current: private practice glaucoma, SC
  - **Abram Geisendorfer**
    - Current: private practice comprehensive and medical retina, IL

- **Class of 2011**
  - **Candice Giordano**
    - Current: private practice comprehensive and aesthetics, MD
  - **Shaminder Bhullar**
    - Fellowship: vitreoretinal at University of Florida
    - Current: private practice vitreoretina FL

- **Class of 2012**
  - **Parvathy Pillai**
    - Fellowship: uveitis at Mass. Eye and Ear
    - Current: KEI Faculty
  - **Elizabeth Tegins**
    - Fellowship: vitreoretinal at University of Iowa
    - Current: private practice vitreoretina NC
Past Residents

Class of 2013

- **Greg Oldham**
  - Fellowship: glaucoma at Baylor
  - Current: private practice glaucoma, PA
- **David Ellenberg**
  - Fellowship: vitreoretinal at KEI
  - Current: private practice vitreoretina, MI

Class of 2014

- **Steve Winkler**
  - Fellowship: oculoplastics at KEI
  - Current: oculoplastics/comprehensive Faculty at KEI
- **Justin Shaw**
  - Fellowship: glaucoma at Bascom Palmer- Palm Beach
  - Current: private practice glaucoma PA

Class of 2015

- **Josh Zaffos**
  - Fellowship: cornea at University of California –Davis
  - Current: private practice TX
- **Vish Srinagesh**
  - Current: private practice comprehensive/refractive FL
Past Residents

- Class of 2016
  - Ken Levin
    - Current: private practice comprehensive, PA
  - Corey Waldman
    - Fellowship: glaucoma at Boston University
Current Residents

- Aishat Mohammed
- Sauja Vadoothker
- Ruby Parikh
- Ian Kirchner
- Jennifer Wall
- John McLaughlin

Future:

- Matthew Brink: Drexel Med
- Brede Skillings: Florida Atlantic U
Benefits

- iPad with BCSC on iBooks
- Resident Hub subscription
- Wills Eye manual
- 90/20/gonio lenses
- Scleral depressor
- Travel once a year as first author
- AAO as 3rd year
- Book fund $1000
- International rotation
- 3 weeks vacation plus holiday week
- Paid hospital holidays
The Krieger Eye Institute

- Offer a comprehensive training program to prepare physician clinicians and educators
- Enthusiastic well rounded breadth of faculty
- Small program able to offer individual attention in all subspecialties
- Long and successful track record for resident education
- Innovative use of technology and resources
Structure of Interview Day

- Divided into morning and afternoon interviews
- Tours
  - Department and Technology
  - Hospital
  - Meet Current Residents:
    - 1st years – Jennifer Wall & John McLaughlin
    - 2nd years – Ruby Parikh and Ian Kirchner
    - 3rd years – Sauja Vadootheke and Aishat Mohammed