

BASCOM PALMER EYE INSTITUTE

Global Leaders

in Eye Care, Vision Research
and Ophthalmology Education

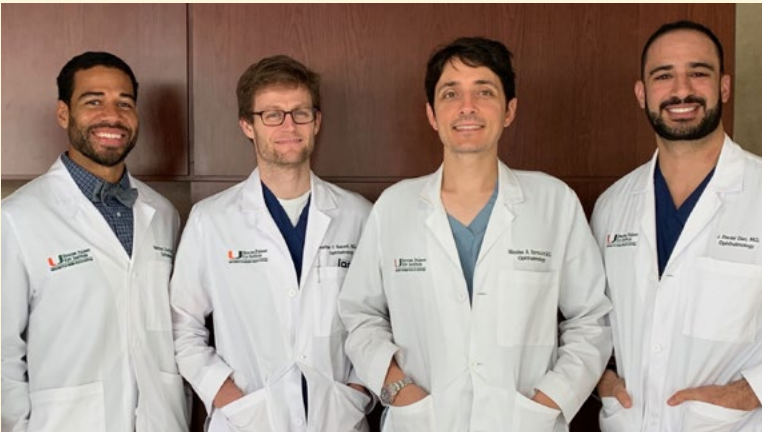


Bascom Palmer Eye Institute’s mission is to enhance the quality of life by improving sight, preventing blindness, and advancing ophthalmic knowledge through compassionate patient care and innovative vision research.



Global Leaders

Bascom Palmer Ranked No.1 in U.S. Again	1
Message from the Chair	2
Outstanding Patient Care	3
Pioneering Vision Research	4
Exceptional Education	5
Global and Local Impact	10
Protecting Against COVID-19	11
Timeline of Achievements	12
At a Glance	14
Locations	15

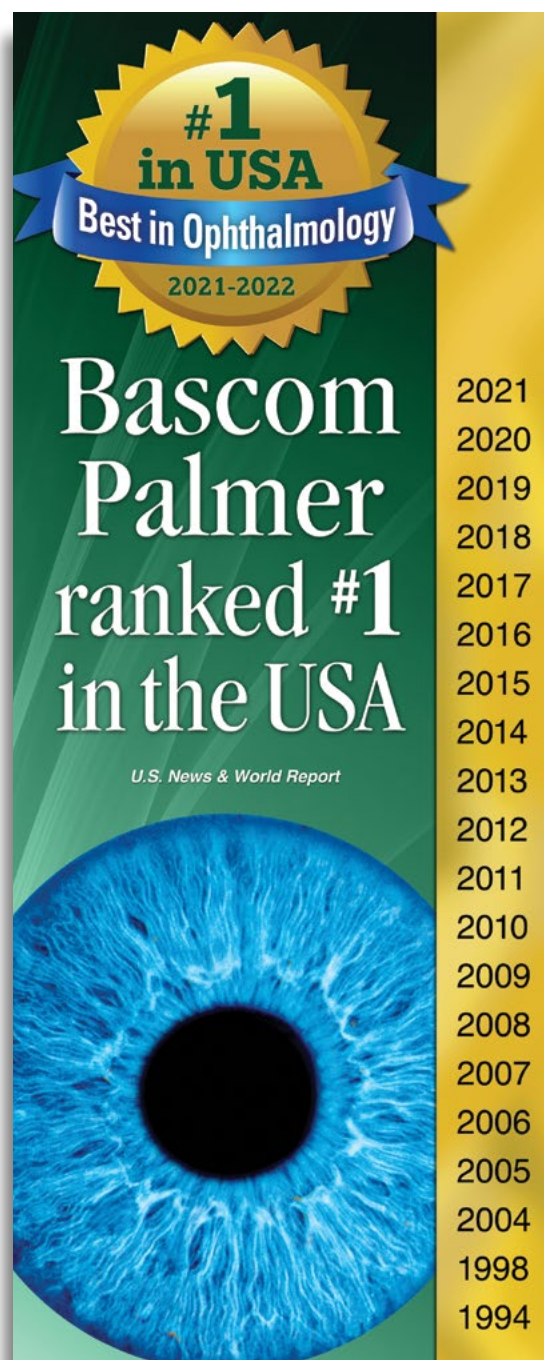


Bascom Palmer Ranked No.1 Again and Again!

Bascom Palmer Eye Institute is the Department of Ophthalmology for the University of Miami Miller School of Medicine. As part of UHealth – the University of Miami Health System, Bascom Palmer is a not-for-profit medical, research and academic institution.

Bascom Palmer is recognized as one of the world's most progressive eye centers. It is recognized globally as providing the finest ophthalmic care, conducting innovative research to treat vision disorders, and educating physicians and researchers of the future.

The Institute's full-time faculty of internationally respected physicians and scientists encompass every ophthalmic sub-specialty. Its contribution to ophthalmic knowledge, research, diagnostics and therapies have, in many cases, revolutionized ophthalmologists' understanding and management of eye diseases and disorders. As a result, *U.S. News & World Report* and *Ophthalmology Times* have consistently ranked the Institute as the nation's "**Best in Ophthalmology.**"



Message from the Chair



Since opening our doors in January 1962, Bascom Palmer Eye Institute has been dedicated to providing the best possible ophthalmic care and finding new ways to treat vision problems and prevent blindness.

Our founding chair, Edward W.D. Norton, M.D., was a remarkable physician, professor and administrator, who succeeded in building an internationally recognized center of excellence in ophthalmology. All of us at Bascom Palmer today – as well as hundreds of alumni around the world – are proud to continue his legacy of providing compassionate patient care and advancing the understanding of ophthalmology.

For almost sixty years, Bascom Palmer has been a forum at which key issues and challenges confronting ophthalmology have been debated, where new technology has been unveiled and where ophthalmologists have come together to learn, discuss and teach the best care for patients. Our commitment to providing the very best clinical care and our tradition of excellence drives every aspect of our operation. Now, our dedicated team of clinicians, scientists and educators are focusing on the future in keeping with our tradition of leadership.

We invite you to learn about Bascom Palmer's remarkable history, explore its many achievements and envision our future accomplishments. We are guided always by Dr. Norton, who said, "The patient's needs always come first."

A handwritten signature in black ink that reads "Eduardo Alfonso". The script is fluid and cursive.

Eduardo C. Alfonso, M.D.

*Kathleen and Stanley J. Glaser Chair in Ophthalmology
Director and Chair, Bascom Palmer Eye Institute*

Outstanding Patient Care

Bascom Palmer patients receive unsurpassed eye care ranging from routine eye examinations to highly specialized diagnosis and treatment. Each year, its clinical faculty treats more than 300,000 patients from infants to senior citizens, and performs more than 16,500 surgical procedures at patient care centers in south and southwest Florida. The Institute's physicians also provide ophthalmology care to patients at Jackson Memorial Hospital, University of Miami Hospital, Veterans Administration Health System, and Nicklaus Children's Hospital.



Clinical Services

Retina and Vitreous Diseases and Surgery

- Macular Degeneration
- Diabetic Retinopathy
- Retinal Detachment
- Retinitis Pigmentosa

Corneal and External Diseases and Surgery

- Cataracts and Intraocular Lenses
- Ocular Surface, Dry Eye, and Tear Disorders
- Infectious Eye Disease
- LASIK and Laser Vision Correction

Glaucoma

Ophthalmic Oncology

- Corneal and Conjunctival Tumors
- Intraocular Tumors
- Orbital and Eyelid Tumors

Neuro-Ophthalmology

Ophthalmic Plastic and Reconstructive Surgery

- Oculofacial Plastic Surgery
- Thyroid Eye Disease
- Aesthetic and Cosmetic Treatments

Pediatric Ophthalmology and Strabismus

- Pediatric Cornea
- Pediatric Glaucoma
- Retinopathy of Prematurity
- Retinoblastoma

Ophthalmic Pathology

Uveitis

Comprehensive Ophthalmology

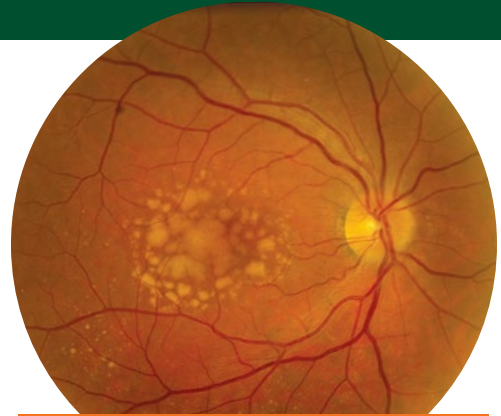
Pioneering Vision Research

Bascom Palmer's multidisciplinary research program covers a broad spectrum, from the most basic investigation into the nature of molecules, cells and tissues, to the development of devices for clinical and surgical applications. Current areas of clinical research include age-related macular degeneration, glaucoma, diabetic retinopathy, diseases of the retina and optic nerve, ocular infections and cancers of the eye.

Translational research projects in genomics, stem cells, gene therapy, and nanoparticles present new clinical opportunities. Bascom Palmer's journal publication rates surpass those of any eye institute in the nation. With its robust scientific research programs and biomedical inventions, Bascom Palmer will continue to lead the field of ophthalmology in the 21st century.



**EVELYN F. AND
WILLIAM L. McKNIGHT
VISION RESEARCH CENTER**



Clinical Trials

Almost 40 clinical trials, clinical outcomes and epidemiology studies are ongoing at Bascom Palmer Eye Institute, and most are national multicenter projects. For more information about its clinical trials, visit bascompalmer.org or clinicaltrials.gov.



Exceptional Education



**Drs. Diana M. Laura and
Kenneth C. Fan**
Chief Residents 2021-22

The Institute regards the education of its ophthalmology residents and fellows, medical students and ophthalmologists from around the world as one of its highest priorities thus ensuring the vision needs of future generations are met.

Its residency program is regarded as the best in the nation. Forty-six graduates of the specialized training programs have become ophthalmology department chairs at medical schools and teaching hospitals throughout the world. A first of their kind program recently launched at Bascom Palmer, the Master of Science in Vision Science and Investigative Ophthalmology, offers comprehensive training in ophthalmic translational research, problem-solving learning and management.

Additionally, Bascom Palmer offers an extensive calendar of ophthalmic and vision science lectures and seminars for ophthalmologists, physicians in other specialties and researchers from around the world as part of its robust continuing medical education program.



Residents' Days 2021: Honoring our talented, committed and compassionate residents

Resident and Fellowship Programs

Visionaries have high expectations. Teachers have high expectations. Combine the two and the result is skilled students, taught by today's leaders to become the leaders of tomorrow. This could hold true of many schools, colleges, or medical institutions as they build their legacy. However, it especially holds true at Bascom Palmer Eye Institute as its training program sees the fruits of its labor at medical schools and hospitals throughout the nation and the world.

Bascom Palmer's training programs have many advantages. The large number of patients seen each year creates a wealth of opportunities for young physicians. Medical and surgical training is augmented by rotations at the Miami Veterans Administration Medical Center, Jackson Memorial Hospital, and Nicklaus Children's Hospital. Additionally, caseload diversity is a significant benefit in medical training. Not only is Florida's population one of the most senior in the country, but the influx from nearly every Latin American country and the Caribbean Islands makes the patient mix at Bascom Palmer especially broad. These patients may present with a wider range of eye diseases than are typically seen in the U.S., and may also be seen at more advanced stages.

Moreover, the Institute has one of the largest number of full-time faculty members, each with patient care, research and teaching responsibilities. Excelling in each of these areas, Bascom Palmer will continue to lead the field of ophthalmology in the 21st century.



For more information on Bascom Palmer's residency and fellowship programs, scan here.

"If we bring in the top students from medical schools around the country, these students share their knowledge with each other. These brightest young men and women, in turn, challenge faculty with the penetrating questions, creating an intellectual stimulation that serves to benefit the educational experience, as well as improving patient care and encouraging research. This self-perpetuating cycle of excellence allows us to recruit the best and train them well, so we can recruit the best again."

Steven Gedde, M.D.

Vice Chair of Education

"An institution is defined by its people, and that is precisely what makes Bascom Palmer an incredible place to train. From the patients to the staff and faculty, there is a culture of camaraderie that makes the work environment both rewarding and fun."

Hasenin Al-Khersan, M.D.

Resident 2018-2021

"For me, being accepted as a resident was a dream come true. It's been wonderful to be part of a group of highly motivated and wonderfully qualified peers. It's like joining the worldwide Bascom Palmer family."

Ashley Crane, M.D.

Chief Resident 2019

"Bascom Palmer is an international hub for education and patient care. We are afforded the unique opportunity to care for patients with a breadth of backgrounds and pathology. We have a wealth of international partners with whom residents and fellows work with to achieve our goal of decreasing preventable visual impairment."

Zubair Ansari, M.D.

Assistant Professor

"My fellowship year had great impact on my professional and personal development. The close relationships with my peers, mentors, staff, and faculty provided me with countless opportunities to learn and grow. I feel blessed to be part of such an outstanding and caring group of physicians."

Huda Sheheitli, M.D.

Glaucoma Fellow 2019

Ranked Best Ophthalmology Residency Program



Bascom Palmer's ophthalmology residency program has been ranked best in the U.S. by Doximity, an online professional network for U.S. physicians. The 2021-2022 Doximity Residency Navigator rankings were compiled from survey responses from board-certified ophthalmologists around the country. Bascom Palmer's residency program is also ranked #1 in the nation by *Ophthalmology Times*, an honor it has received 13 times..

The path from medical school to Bascom Palmer's ophthalmology residency program is rigorous. Each year, Bascom Palmer receives more than 550 applications for only seven residency positions.

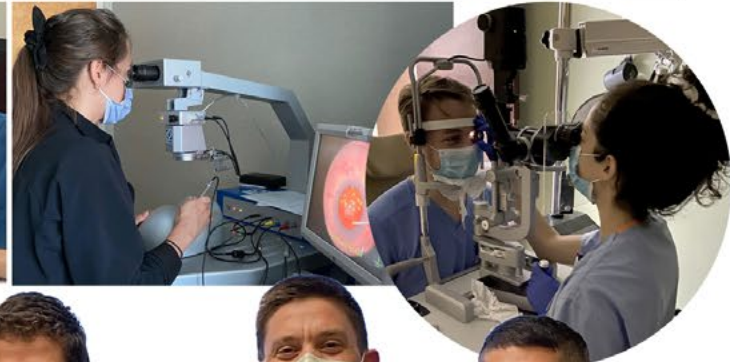
"Bascom Palmer continues to attract the best and brightest medical students into its residency program each year. All of our residents are highly accomplished, even before they begin their formal training with us. Our mission is to create a learning environment that helps them fully realize their immense potential," said Steven J. Gedde, M.D., Bascom Palmer's vice chair of education and residency program director. "Each graduating resident will provide outstanding care to his or her patients, and many will join academic institutions to teach others. This allows for an exponential dissemination of ophthalmic knowledge and excellence in patient care. The Bascom Palmer Eye Institute is significantly impacting the field of ophthalmology through its training programs."

The large number of patients seen each year as well as their broad range of eye conditions provides a tremendous learning opportunity for young ophthalmologists-in-training. "Even during the COVID-19 pandemic, the patient diversity continues, as we are seeing patients from around the world via telehealth and virtual visits," said Gedde, who completed a fellowship in glaucoma at Bascom Palmer in 1996 and now holds the John G. Clarkson Chair in Ophthalmology. The residents are mentored by an outstanding faculty that provides a robust learning environment for clinical and surgical care, research, and community service.

"As a 1984 graduate of the Bascom Palmer residency program and now director of the Bascom Palmer Eye Institute, I have experienced the value of the residency 360 degrees with 20/20 vision," said Eduardo C. Alfonso, M.D., the Kathleen and Stanley J. Glaser Chair in Ophthalmology. "Since its inception, Bascom Palmer's residency program has strived to provide an environment where learning and education supports ophthalmology's contribution to mankind - an environment of collegial interactions that prepares us to be better humans, clinicians, scientists, and leaders – in essence 'men and women for others.' I hope that Bascom Palmer's residents continue to improve the lives of all with whom they interact."



Resident Life at Work



Resident Life at Play



Global and Local Impact



Bascom Palmer faculty members continually volunteer in much-needed ophthalmic missions throughout the world, as well as residents and fellows who participate in international efforts as part of their educational curriculum. Faculty members use satellite and digital networks to provide telemedicine and videoconferencing services abroad. They handle complex cases working closely with medical professionals in local communities.

Bascom Palmer's physicians are active volunteers in Haiti, one of the most medically underserved countries in the Western Hemisphere. In Mexico, a team of physicians, residents and fellows recently performed over 90 cataract surgeries in an indigenous community. In the remote Galapagos Islands off the coast of Ecuador, a new Bascom Palmer humanitarian initiative is bringing badly needed vision screening and eye care services to thousands of local residents.

Following Hurricane Katrina in 2005, a team of physicians and technicians traveled with the Bascom Palmer Vision Van, a 40-foot, custom-designed mobile eye clinic donated by the Josephine S. Leiser Foundation, to Louisiana to meet the eye care needs of storm victims and emergency responders. When the devastating Tohoku-Pacific Ocean earthquake and tsunami struck Japan in 2011, the Vision Van was flown overseas to provide support to the hard-hit Sendai province.

Today, the Bascom Palmer Vision Van continues to help communities across South Florida providing free vision screenings for thousands of people of all ages. The Vision Van serves as an opportunity for Bascom Palmer to provide necessary ophthalmic care to underserved patients in local communities. Patients gain access to vision screenings that they might otherwise never receive and medical students gain hands-on clinical experience, hone leadership skills, and receive mentoring from volunteer physicians. Bascom Palmer participates in annual health fairs and events in South Florida.

"There is no better teacher than first-hand experience. As a result of mission trips, our doctors return with an even stronger understanding of the overwhelming challenges that underserved populations face every day in trying to prevent blindness. It is a learning experience they will draw upon throughout their professional careers."

Steven J. Gedde, M.D.
Vice Chair of Education

Protecting Against COVID-19



The COVID-19 pandemic required Bascom Palmer to make dramatic and immediate adjustments to its operations and to develop new procedures and protocols throughout the entire organization. Bascom Palmer was able to turn the COVID-19 challenge into new opportunities to deliver clinical care more effectively, while advancing research collaborations and medical education programs throughout the world. Examples include the quick transition to telehealth, incorporating hybrid visits when on-site imaging or testing was needed, and using other innovations in ophthalmic technology.

In the emergency department, chief residents coordinated medical care, while quickly adapting to changing CDC guidelines. An innovative approach to protecting patients and staff came from the 1990s Nickelodeon show, “Legends of the Hidden Temple.” Residents were divided into separate teams who did not interact either at work or socially. The teams – wearing custom T-shirts to represent their unity – were the Green Monkeys, the Orange Iguanas, and the Purple Parrots. This lightened the mood for patients and helped the staff maintain smiles behind their masks.

“Keeping the emergency department open to serve the community was a huge challenge at first, because there were so many unknowns about COVID-19. We had to bring all the moving parts of the care team into alignment, including the faculty, fellows, residents, nurses, patient guides, and support staff. We had to ensure that our patients were safe, as well as ourselves.” said Kara M. Cavuoto, M.D., associate professor of clinical ophthalmology, and director of emergency services.

“Our residents deserve full credit for seeing patients, even before we had the PPE and COVID-19 screening criteria. Going into medicine, you know you are here to serve the patients and their families. For us, the delivery of emergency services was a natural transition of care.”

Nicolas A. Yannuzzi, M.D.
Assistant Professor

Timeline of Achievements

Bascom Palmer Eye Institute's story dates back to the 1920s when Bascom H. Palmer, M.D., opened one of Miami's first ophthalmology practices. His dream was to establish an eye clinic dedicated to saving sight and preventing blindness. Looking to the future with hope, he predicted Miami would eventually be home to an ophthalmology institute second to none in the nation.

In 1958, Edward W.D. Norton, M.D., was recruited from Boston to become chief of the division of ophthalmology at the University of Miami School of Medicine. Within four years, the young division became the department of ophthalmology with Dr. Norton as its chair, a position he held for the next 33 years. His leadership laid the foundation for the department's rapid growth. Certainly, no one in 1958 would have guessed that Dr. Palmer's dream would come true within just a few years.



1962 Bascom Palmer Eye Institute opens as the **first full-service eye center** in the Southeastern United States.

1966 Donald M. Gass, M.D., pioneers the use of **intravenous fluorescein angiography**

for the diagnosis and treatment of retinal disorders, including macular degeneration.

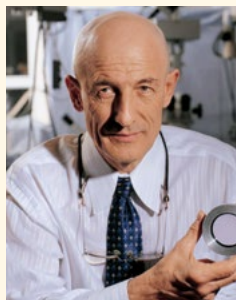


1969 Edward W.D. Norton, M.D., describes use of intraocular air and gases to **treat retinal detachment**.



1970 Robert Machemer, M.D., performs the **world's first pars plana vitrectomy** for retinal detachment.

1970 Biomedical engineer Jean-Marie Parel, Ph.D., begins a 50-year journey of inventing or improving more than **350 ophthalmic instruments**.



1974 John T. Flynn, M.D., discovers the appropriate amount of oxygen to be used in incubators will save the retina and vision of infants with **retinopathy of prematurity**.



1974 Richard K. Forster, M.D., pioneers the use of **intraocular antibiotics for endophthalmitis**.



1976 Douglas R. Anderson, M.D., discovers that **elevated intraocular pressure** impairs axonal transport in the optic nerve and is affected by **glaucoma**.

1984 Richard K. Parrish II, M.D., introduces the drug **5-Fluorouracil (5-FU)** to **prevent the growth of scar tissue** following glaucoma surgery.



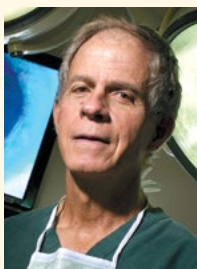
1986 David T. Tse, M.D., introduces the use of intra-arterial chemotherapy to **treat lethal lacrimal gland cancer**.



1988 Paul F. Palmberg, M.D., Ph.D., redefines glaucoma treatment throughout the world by determining the **proper “target pressure”** in the eye.

1991 William Smiddy, M.D., is among the first physicians to perform surgery to **close a macular hole**.

1993 William W. Culbertson, M.D., identifies the herpes virus as a **cause of acute retinal necrosis**, a devastating infection of the retina.



1994 *U.S. News & World Report* names **Bascom Palmer the #1 eye hospital in the country**, an honor it receives time and time again.

1998 William W. Culbertson, M.D., performs the **first successful posterior lamellar endothelial transplantation**.



1999 Carol L. Karp, M.D., pioneers the use of **interferon for treatment of ocular surface squamous neoplasia**.

2001 Carmen A. Puliafito M.D.'s, inventive work in **retinal imaging using optical coherence tomography** gives ophthalmologists around the world new diagnostic and treatment tools.



2006 Philip J. Rosenfeld, M.D., Ph.D., pioneers the **treatment for the wet form of age-related macular degeneration using a cancer-fighting drug named Avastin®**, forever changing the course of treatment for this blinding disease.



2006 Eduardo C. Alfonso, M.D., unravels the mystery behind a world-wide outbreak of **fungal**

infections among contact lens users.



2009 Victor L. Perez, M.D., performs the first modified osteo-odonto keratoprosthesis (MOOKP), commonly known as the **“the eyetooth surgery,”** in the United States.

2011 Byron Lam, M.D., discovers a **key gene of retinitis pigmentosa**.

2013 – Guillermo Amescua, M.D., performs the first **mother-son corneal transplant** in South Florida history.

2014 John Guy, M.D., pioneers gene therapy techniques for **treating Leber Hereditary Optic Neuropathy**.



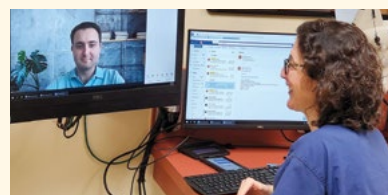
2015 Janet L. Davis, M.D., and Ninel Z. Gregori, M.D., perform the first **“Bionic Eye”** implantation procedure in Florida.

2016 Alana Grajewski, M.D., Director of the Samuel & Ethel Balkan International Pediatric Glaucoma Center, performs life-changing **pediatric glaucoma surgery** that restores sight to a blind toddler from Brazil.

2018 Led by Audina Berrocal, M.D., a Bascom Palmer surgical team using **leading-edge gene therapy** for an inherited eye disorder, restores sight to a nine-year-old boy.



2020 Bascom Palmer's new developments in telemedicine make eye care safer and more efficient for patients during the COVID-19 pandemic.



At a Glance

#1
in USA

Best in Ophthalmology

2021-22

Ranked #1 in the USA

BY *U.S. NEWS & WORLD REPORT*

FOR THE **20**TH TIME



Ranked
Best Clinical Care

14 TIMES

Best Residency

13 TIMES

Best Overall Program

6 TIMES

BY *OPHTHALMOLOGY TIMES*

48 graduates
have become ophthalmology
department chairs at medical schools
and teaching hospitals throughout the world

300,000

patients treated each year

1,270
ALUMNI

\$16.1 SPONSORED
MILLION RESEARCH
FUNDING

16,500+
SURGERIES
EACH YEAR

1,300
TEAM
MEMBERS

40
ONGOING
CLINICAL
TRIALS

350
OPHTHALMIC
DEVICES AND
INSTRUMENTS
INVENTED

300+
PEER-REVIEWED
PUBLICATIONS
EACH YEAR

84 physicians

17 scientific investigators

21 residents

40 fellows

580 applications
received
annually for **7** residency
positions

400

lectures, seminars,
and CME programs offered each year
for education & training

The Norton Library of Ophthalmology is the
largest ophthalmic library in the world, including
3,000 BOOKS
in The Rare Book Collection dating back to
Sir Isaac Newton, Rene Descartes, and Goethe

Locations



Miami

Miami

Located on the University of Miami Miller School of Medicine's campus near downtown Miami, Bascom Palmer's flagship eye hospital, the Anne Bates Leach Eye Center, offers specialized eye care for newborns, children and adults. The hospital offers 24-hour emergency care and provides the only community-based ophthalmic care for indigent and low-income patients.

The Miami campus also houses the Evelyn F. and William L. McKnight Vision Research Center, Bascom Palmer's hub for laboratory research; and the Edith and Earl Retter Education Center, the site for training doctors and medical students in the latest developments in ophthalmology.



Palm Beach Gardens

Palm Beach Gardens

Bascom Palmer's 7.4 acre campus at PGA National in Palm Beach Gardens features the Maltz Center, a 40,000 square-foot medical office building, the Frankino Pavilion, an ambulatory surgery center that allows Bascom Palmer's physicians to perform retina, cataract, glaucoma, and ophthalmic plastic and reconstructive surgeries, and the Lois Pope Center for Retinal and Macular Degeneration Research.



Plantation

Plantation

Bascom Palmer's Plantation center is located just 10 miles west of Fort Lauderdale/Hollywood International Airport. It is equipped with the latest diagnostic and treatment technology and is dedicated to the care and management of every eye disease and disorder.



Naples

Naples

Naples is home to Bascom Palmer's eye care and surgery center on Florida's gulf coast. Located on US-41, four miles north of downtown Naples, the 20,000-square-foot state-of-the-art eye center offers an extensive array of clinical and surgical services as well as clinical trials to patients living in Southwest Florida.



Coral Gables

Coral Gables

Bascom Palmer's physicians provide access to eye care at the Lennar Foundation Medical Center located on the Coral Gables campus of the University of Miami.



bascompalmer.org

[@bascompalmereye](https://www.instagram.com/bascompalmereye)



Follow us on
Instagram

