

NOVA SOUTHEASTERN UNIVERSITY
2019 ANNUAL REPORT

Dr. Pallavi Patel College of Health Care
NSU
Florida

NSU Florida

AGAINST THE CURRENT, NSU IS MAKING WAVES.

Message from the President

NSU supports the dreams and efforts of bright students, dedicated faculty members, innovative researchers, inspiring athletes, and forward-thinking community and business leaders. This year was not an exception, but rather an exemplar of our aspirations becoming reality. As we set our gaze toward an enhanced Vision 2020–2025, we recognize this year’s milestones that have brought us closer to reaching these goals, with a glimmer of what’s to come as we aim further—toward 2025.

Research is a hallmark of progress. Our recent contributions to genomic discoveries can help us understand the mysteries of the great white shark and protect subspecies of tigers at risk for extinction. With advances in bioengineering, we’re helping to identify safer cancer treatments. Through powerful collaborations, NSU is now a hub for marine research and conservation efforts to save Florida’s coral reefs and understand the toxic blue-green algae invading local waters.

Beyond the lab, NSU is proactively making changes on all our campuses to protect the environment. From eliminating plastic straws to increasing recycling programs, we are aligning ourselves with a healthier future for our planet. We’re also proud to run one of the country’s largest power storage systems with energy-efficient, environmentally friendly practices. Our goal is to reach

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Being recognized as a preeminent teaching and research university is further proof that NSU provides a competitive edge to our students, and that their time here will help them become leaders who excel in their chosen field and serve with integrity.”

Top 200 National University *U.S. News & World Report*
Third Year in a Row (Assigned number as a result of tie.)

2019 2018 2017

zero waste by encouraging the NSU community to reduce, reuse, and recycle.

Progress is also marked by expanding opportunities. This year, we opened our new Tampa Bay Regional Campus to serve the increasing demand for qualified medical, health care, and mental health practitioners. While NSU has been part of the Tampa Bay fabric for nearly 30 years, our new campus enables even more students to gain the competitive NSU edge.

With our steady recognition on *U.S. News & World Report’s* Top National Universities ranking, as well as our recent designation as a *Forbes* magazine 2019 Top College, we aim to be recognized as a preeminent institution of learning, research, and service to our diverse students and the global community.

This report outlines some of the achievements and progress in selected areas over the past fiscal year. I truly appreciate your ongoing support, contributions, and dedication to NSU. 🌊

George L. Hanbury II

George L. Hanbury II, Ph.D.
President and Chief Executive Officer



RESEARCH HIGHLIGHTS

Cracking the Genomic Code of an Apex Predator

An international team of scientists led by NSU's Save Our Seas Foundation Shark Research Center and NSU's Guy Harvey Research Institute decoded the entire genome of the great white shark, revealing intriguing evolutionary adaptations in the species' genes linked to wound-healing pathways.

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There's still tons to be learned from these evolutionary marvels, including information that will potentially be useful to fight cancer and age-related diseases and improve wound-healing treatments in humans, as we uncover how these animals do it.”

—Mahmood Shivji, Ph.D., coleader of the study
Director, NSU's Save Our Seas Foundation Shark Research Center and Guy Harvey Research Institute



Cancer Treatment Enters a New Era

A team of bioengineers coled by Adil Doğanay Duru, Ph.D., from the NSU Cell Therapy Institute and Dr. Kiran C. Patel College of Allopathic Medicine, as well as top researchers at Sabanci Üniversitesi in Istanbul, Turkey, are advancing a breakthrough cancer treatment method that does not harm healthy cells.



Conservation Fueled by Genomic Discovery

With contributions from NSU researcher Stephen O'Brien, a recent study confirmed that tigers, which are endangered, fall into six distinct groups. This research represents a genome-wide sequence analysis with great implications for worldwide recovery and management strategies for tiger subspecies at the highest risk for extinction.



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The tiger depletion stands as one of conservation's most poignant morality tales of loss.”

—Stephen O'Brien, Ph.D.
Research Scientist and Professor, NSU's Halmos College of Natural Sciences and Oceanography



RESEARCH HIGHLIGHTS

Saving the Coral Reefs

NSU is one of seven designated host sites for corals rescued from the Florida Keys—protecting approximately 700 living organisms from possible infection and die-off. The goal is to eventually repopulate Florida’s reefs with these healthy, disease-free corals.



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Researchers across the planet are working to determine what is causing corals to die off in such large numbers... but there is so much more we need to learn in order to best help corals survive the attacks they face.”

—Abby Renegar, Ph.D.

Research Scientist, NSU’s Halmos College of Natural Sciences and Oceanography

NSU research scientists are also partnering with Norwegian Cruise Lines to create coral reef nurseries and advance the science of restoration efforts in the Bahamas. After 18 months, corals from these nurseries should grow sufficiently to be planted on existing reefs.

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This broadens the area in which our scientists can conduct their research, and we will be able to help restore the ecological richness of coral reefs around Great Stirrup Cay.”

—Richard Dodge, Ph.D.

Dean, NSU’s Halmos College of Natural Sciences and Oceanography



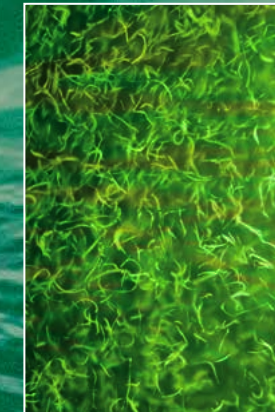
Investigating Florida’s Troublesome Blue-Green Algae

NSU’s Halmos College of Natural Sciences and Oceanography at the Oceanographic Campus will be the home base for research aimed at understanding and inhibiting species of blue-green algae (cyanobacteria) that produce toxic compounds that can harm people, fish, marine mammals, and birds.

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This project will have a strong genomics basis [reading DNA and RNA sequences] at the molecular level.”

—Jose Lopez, Ph.D., primary investigator
Research Scientist and Professor, NSU’s Halmos College of Natural Sciences and Oceanography



NEW TAMPA BAY REGIONAL CAMPUS

Giving Students the NSU Edge to Become Tomorrow's Leaders

Thanks to the generosity of Drs. Kiran C. and Pallavi Patel, NSU's Tampa Bay Regional Campus now has a new home in Clearwater, Florida. Our new location, which opened in 2019, features a 311,000-square-foot, state-of-the-art facility with expansive common areas, the latest learning technology, and a two-story fitness center—all with waterfront views. This additional site for the osteopathic medicine college offers more courses across programs and a focus on dynamic, multidisciplinary learning that ensures graduates are not just another "fish in the sea," but Shark leaders who rise to the surface with an edge over their competition.



Visit nova.edu/tampabay to learn more about the undergraduate and graduate degree programs offered at this campus in disciplines ranging from nursing, health care, and medicine to education and psychology.



TWO NSU COLLEGES WIN INNOVATION AWARD

Among the 35 colleges of osteopathic medicine in the U.S., NSU offers the only D.O./D.M.D. dual-degree program. This landmark program helped NSU's College of Dental Medicine and Dr. Kiran C. Patel College of Osteopathic Medicine earn the 2019 American Dental Education Association Gies Award for Innovation—Academic Dental Institution. 🌟



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NSU's program is worthy of recognition by implementing change with the highest level of interprofessional education. This program succeeds in adding a new dimension to the education of the oral physician.”

—R. Bruce Donoff, D.M.D., M.D.
Dean, Harvard School of Dental Medicine
(one of those who nominated NSU for the award)

“

Our college mission is to serve the underserved. A high number of our graduates work in rural or underserved areas where knowledge and skill in both disciplines is a tremendous asset.”

—Elaine M. Wallace, D.O., M.S., M.S., M.S., M.S.
Dean, NSU's Dr. Kiran C. Patel College of Osteopathic Medicine

“

Dentists are becoming more aware that their realm influences the health of the whole body, and I think that's a huge success for dentistry.”

—2015 alumnus Arron Goodwin, D.O., D.M.D., M.B.S.



NSU SHARKS ARE MAKING WAVES

VOLLEYBALL

The American Volleyball Coaches Association named NSU's women's volleyball team among the Team Academic Award recipients for the 2018-2019 season.

TENNIS

Women's tennis earned its first Sunshine State Conference runner-up finish and hosted an NCAA South Regional at NSU's Grande Oaks courts. A star freshman earned two titles—NCAA South Region Rookie of the Year and SSC Freshman of the Year.



SWIMMING

After a strong finish at the 2019 NCAA National Championships, NSU's swim programs earned four Sunshine State Conference individual awards: Men's and Women's Freshmen of the Year, Women's Swimmer of the Year, and Men's Coach of the Year. Our men's and women's teams were also chosen for the Fall 2018 Scholar All-America Team.

ROWING

The Collegiate Rowing Coaches Association/US Rowing recognized NSU's women's rowing team as eighth among the top programs in the nation.



BASKETBALL

NSU became one of only two colleges to have both its men's and women's basketball programs reach the Elite Eight in 2018-2019, and only the 12th in history. The meteoric rise of men's basketball was marked by the program's first SSC regular season championship, its first NCAA South Region title, and an inaugural appearance in the NCAA DII Elite Eight. NSU's women's basketball team kept pace, earning entry to the NCAA South Region Championship and securing their fourth Elite Eight appearance in seven years.



HONORING OUR COMMUNITY PARTNERS AND BUSINESS LEADERS

Huizenga College of Business's Entrepreneur and Business Hall of Fame

"Some people dream of success, while others get up every morning and make it happen."

—H. Wayne Huizenga

"President Hanbury and I are passionate about honoring those who helped advance the vision and mission of the university."

—Alan B. Levan
Chair, NSU Board of Trustees

21st Annual Celebration of Excellence

Rita and Rick Case Receive President's Award of Excellence in Community Service

This award recognizes those who not only support NSU, but who live by NSU's Core Value of community.

"It is only fitting that a university started by South Florida entrepreneurs continues to flourish thanks to the time, talent, and treasure of such a successful businessman and businesswoman. For more than 16 years, NSU has benefitted from the organizational and entrepreneurial skills of Rita and Rick Case."

—George L. Hanbury II, Ph.D.
NSU President and CEO



2019 Honorees (left to right)

Arlene Pecora
President and COO
Signature Grand

Rob Kornahrens
CEO and President
Advanced Roofing

Rita Case
President and COO
Rick Case Automotive Group

MAJOR GIFTS

Transforming Philanthropy into Empowerment

Lee Sider and Greg Stanton

\$4.8-million legacy gift to the NSU Art Museum Fort Lauderdale to support acquisitions of works of art and the museum's operating fund

Marine Conservation Sciences Endowed Research Fund

\$1-million pledge from a generous donor to establish a new endowed fund for NSU's Guy Harvey Research Institute to support research to strengthen shark conservation efforts and marine fish sustainability

Horatio Alger Association

\$1-million commitment to Abraham S. Fischler College of Education and School of Criminal Justice student scholarships to support undergraduate students with financial need who demonstrate integrity and perseverance in overcoming adversity

Whit Hudson Memorial Endowed Scholarship Fund

\$300,000 in gifts for H. Wayne Huizenga College of Business and Entrepreneurship student scholarships to support undergraduate and graduate students who demonstrate academic merit, in memory of beloved Broward County business leader Harris Whitfield (Whit) Hudson

NSU University School's Lower School Technology Fund

\$96,000, three-year gift from a generous donor for the purchase of student computers to provide all USchool fourth-grade students with access to their own laptop when in class



NSU GOES GREEN FOR THE GREATER GOOD



NSU Shark Dining and the entire NSU community have eliminated plastic straws on campus.



Plastic straws are part of the problem, so we can start there and then see what else we can do to reduce our plastic footprint.”

—Derek Burkholder, Ph.D.
Director, Broward County Sea Turtle Conservation Program
Research Scientist, NSU’s Guy Harvey Research Institute and Save Our Seas Shark Center

Since 2007, NSU’s energy-efficient practices have garnered more than \$1.7 million in rebates.

NSU is proud to participate in the Florida Power & Light Thermal Energy Storage Program, which rewards organizations that use every opportunity to reduce their use of electricity for daily operations. NSU’s Robert S. Lafferty Sr. Central Energy Plant has been recognized as one of the largest energy storage systems in the U.S., providing cooling that is both energy efficient and environmentally friendly.

The Shark Recycling Team strives to reduce, reuse, and recycle—to ultimately reach zero waste.

NSU’s objective is to make recycling on our campuses easy and convenient. Every item we recycle that would normally go into landfill sites or incineration plants can be re-processed into useful products. By recycling, the NSU community helps protect and improve precious natural resources.



Recycling 1 plastic bottle powers a computer for 25 minutes.



Our power plant’s design allows us to make the ice we need to cool our facilities during off-peak hours, which reduces costs for us while lessening the strain on the electric grid.”

—Seth Mangasarian
Director of Physical Plant

GRANT NEWS

Transforming Grants into Innovative Research and Community Services

Specialized Pediatric Services

The Kapila Family Foundation Feeding Disorders Clinic at NSU’s Mailman Segal Center for Human Development received **\$669,282 in grants** from the Florida Department of Education.

Neuro-Immune Medicine Research

An NSU research team received an **\$8.5-million grant** from the U.S. Department of Defense for the establishment of The Gulf War Illness Clinical Trials and Interventions Consortium.

Marine Research by the Halmos College of Natural Sciences and Oceanography

The college has received

- a **\$2.5-million grant** from the U.S. Navy for the study of ocean currents
- a **\$536,947 grant** from the U.S. Department of Defense for bacteria investigations
- **\$399,892 in grants** from the U.S. Army Corp of Engineers to study Lake Okeechobee’s harmful algal blooms



Emergency Assistance

NSU’s Facilities Management received **\$908,861 in grants** from the U.S. Department of Education for emergency assistance.



January 2018

PICTURED LEFT TO RIGHT (FRONT ROW): Susanne Hurowitz, Martin R. Press, Ronald G. Assaf, Carol Harrison Kalagher, Alan B. Levan, George L. Hanbury II, Barry J. Silverman, Mike Jackson, Zachariah P. Zachariah, Barbara Trebbi Landry, Nell Lewis McGuire. (SECOND ROW): R. Douglas Donn; Melanie G. May; Steven J. Halmos; Charles L. Palmer; Albert J. Miniaci; J. Kenneth Tate; Anthony N. Ottaviani; George I. Platt; Walter Lee Banks, Sr.; Milton L. Jones, Jr.; Michael J. Zager; Marc G. Cannon II. (THIRD ROW): Rick Case, Samuel F. Morrison, Mitchell W. Berger, Kiran C. Patel, Arthur J. Falcone, Paul M. Sallarulo, Tony Segreto.

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As of July 1, 2019

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As of July 1, 2019

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