



UNIVERSITY OF
SOUTH FLORIDA



Locating Your Company at the



RESEARCH PARK
UNIVERSITY OF SOUTH FLORIDA

**Assets in Tampa, at the University of South Florida,
the USF Research Park and the Tampa Bay Technology Incubator.**

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Overview

The USF Research Park is a critical piece in the elaborate mosaic of high-tech economic development for the Tampa Bay region. While a number of people and organizations have successfully put in place many pieces of the mosaic, the USF Research Park supplies the vital mechanism that systematically links USF researchers to businesses in need of research partners. Named “Emerging Research Park of the Year” by the Association of University Research Parks in December 2008 in recognition of excellence in bringing technology from the laboratory to economic viability, USF has a strong emphasis on biotechnology and life sciences research and entrepreneurship. This represents an unprecedented vision and focus that USF System President Judy Genshaft has brought to the university’s role in stimulating regional economic development.

Located in the heart of Tampa’s “Innovation Alliance” on the flagship campus of the University of South Florida, the USF Research Park is in a beautiful metropolitan setting, just minutes from interstate highways I-75, I-275 and I-4, less than 15 minutes from one of the best airports in the world. Most importantly, USF is within steps of world-class researchers, inventors and entrepreneurs eager to collaborate, and a highly trained, high tech workforce.

As one of the largest public research university in the nation, the University of South Florida (USF) is home to medical clinics and hospitals, a major mental health research institute, and two public broadcasting stations. The university has a focus on partnering university research with corporate and entrepreneurial partners. The USF System has an annual budget of \$1.6 billion, an annual economic impact of \$4.4 billion, and serves more than 48,000 students in Tampa, St. Petersburg, and Sarasota-Manatee. The university is one of the top employers in the Tampa Bay region, with nearly 18,000 employees, including the more than 3,000 distinguished scholars, researchers and expert teachers, (nearly all holding PhDs or the highest degrees in their fields) that make up the USF faculty – including the 2012 U.S. Professor of the Year – and over 7,500 full-time staff.

With strong research programs in medicine, engineering and the basic sciences, USF maximizes partnerships with the H. Lee Moffitt Cancer Center & Research Institute, Tampa General Hospital, All Children’s Hospital, and the James A. Haley Veterans’ Hospital.

Advantages of locating at the USF Research Park include USF core facilities and the equipment available to incubator companies that have saved these growing businesses more than \$1.8 million.

Bioengineering and the life sciences are Florida’s largest consumer market and are among the nation’s fastest growing job markets. The Tampa Bay region is home to more than 370 medical device businesses that contribute about 51,000 jobs and more than \$5 billion annually to the region’s economy. The region is Florida’s leader in awarded and assigned medical/ biomedical patents. The Tampa Bay area is home to more than 11,000 health technology professionals.

In addition, the Tampa Bay region offers easy access to such top research institutes as the Scripps Research Institute, Sanford-Burnham Medical Research Institute, SRI International, and the Torrey Pines Institute for Molecular Studies.

The University of South Florida has outstanding programs in workforce development designed to prepare the highest quality workers for business.

- Graduate programs in bioinformatics, entrepreneurship and biotechnology, and cooperative programs across the USF System prepare students in emerging health professions and health workforce development.
- *The Princeton Review* and *Entrepreneurship Magazine* ranked USF’s interdisciplinary graduate entrepreneurship program among the top 25 program in the nation, at #13, the only Florida program included (2015).

- USF is named in *The Princeton Review's Best 379 Colleges: 2015 Edition*.
- USF ranks among the top 300 in the *U.S. News & World Report Best Global Universities* ranking for 2014.
- USF ranks among the top tier of colleges listed in the *U.S. News & World Report Best Colleges 2016*, ranking in the top 100 of best public schools.
- *U.S. News & World Report* ranked USF's graduate program in engineering 7th among public institutions.
- *USNWR* named USF's College of Education as one of America's best graduate schools for the 10th consecutive year.
- In 2014-2015, the USF System was one of the top in Florida for degree production, awarding 13,232 total degrees to bright and talented students entering the workforce or continuing their education. USF is among the top 5 in the state awarding degrees in the areas of strategic emphasis identified by the State University System Board of Governors in consultation with business and industry groups. In 2013-14, 51 percent of the USF System's undergraduate degrees were awarded in those strategic areas, including 21 percent in STEM. In graduate degrees, 69 percent of degrees awarded were in areas of strategic emphasis, including 27 percent in STEM (27%).
- USF has 13 colleges: Arts and Sciences, The Arts, Behavioral and Community Sciences, Business, Education, Engineering, Global Sustainability, Honors, Marine Science, Medicine, Nursing, Pharmacy, and Public Health. USF offers 86 bachelor programs, 105 master programs, 2 education specialist (EdS) programs, 43 research doctoral (PhD) and 4 professional doctoral (MD) programs.
- USF's Doctor of Business Administration program at University of South Florida's Muma College of Business is geared toward top-level business owners and executives who are looking to continue their education and develop innovative research solutions to bring back into their professions.
- Approximately 76% of USF's 230,000 alumni live in Florida. Nearly 90,000 live in the Tampa Bay area.
- The Florida High Tech Corridor Council (The Corridor), a regional economic development initiative of the University of Central Florida, the University of South Florida and the University of Florida, has a mission to grow high tech industry and innovation in the region through research, workforce and marketing partnerships. The Corridor's Workforce Development program strives to equip corridor employees and students with high tech skills through innovative programs. The Corridor Workforce Committee comprises representatives from workforce organizations, universities, community colleges, economic development organizations and corporations from the 23 corridor counties. The committee proposes, reviews and approves a variety of workforce projects relevant to enhancing the skills associated with employees and potential employees needed to diversify the region's economy.
- USF's College of Engineering is a partner in the Florida Advanced Technological Education Center (FLATE), part of the National Science Foundation's Advanced Technological Education (ATE) program. FLATE provides manufacturing, advanced technical education and best practices and resources to support a high performance skilled workforce for Florida's manufacturing sectors. FLATE's Engineering Technology (ET) degree and certificate programs offers a comprehensive program covering computer-aided drafting, electronics, instrumentation and testing, processes and materials, quality and safety. These core skills align with the national Manufacturing Skill Standards Council (MSSC) Certified Production Technician certification. The Engineering Technology Core, coupled with a second year degree specialization, prepares students for jobs in manufacturing and high-technology industries.
- USF is ranked among the best in *USNWR's Online Education Program* rankings (2015) for the engineering (#17), education (#22) and business (non-MBA) (#27) programs.
- USF's part-time MBA is the top program among Florida's 12 state universities, and No. 16 among public schools in the nation (Bloomberg BusinessWeek, 2013).

- Many USF graduate level programs continue to be ranked among the best according to the 2016 *USNWR Graduate School Rankings*. USF graduate programs ranked in the top 50 include Industrial and Organizational Psychology (#4), Audiology (#12), Public Health (#16), Criminology (#22), Library and Information Studies (#24), Rehabilitation Counseling (#24), Nursing (#38), Industrial/Manufacturing Engineering (#45), and Speech-Language Pathology (#45)
- USF ranks as a national leader in online education, according to the *Guide to Online Schools*, ranking 25th on its 'best overall' list of top nonprofit and for-profit schools (2013).
- USF School of Accountancy is ranked No. 1 in the nation in accounting information systems research, as well as top 30 in other areas of research (audit #21 and tax #29), according to the 2012 rankings released by Brigham Young University (BYU).
- USF ranks among the top 275 world-class colleges and universities according to the *Times Higher Education* (THE) World University Rankings (2014) which measures universities across their core missions of teaching, research, knowledge transfer and international outlook.
- According to the Academic Ranking of World Universities (ARWU) (2015), USF ranks among the top 300 of the best colleges and universities in the world and top100 in the nation.

The USF Research Park is the perfect setting to create your start-up or build your business in the 21st century.

Why USF Research Park?

USF Research Foundation

- USF Research Park
- USF CONNECT
- Tampa Bay Technology Incubator

The USF Research Park (USFRP) is a top research park location. The Research Park received recognition as the Emerging Research Park of the Year in 2008, Tampa Bay Regional Planning Council Award of Distinction, IT Florida's Excellence in New Business Recruitment Award and the Florida Economic Development Council's Deal of the Year Award. With more than 112 acres on the north and south sides of Fowler Avenue, USFRP is directly adjacent to and a part of the University of South Florida community.

The Embassy Suites Hotel/Busch Gardens, a 240-room hotel, is located in the Research Park and a few minutes from the Museum of Science and Industry (MOSI), Busch Gardens and Adventure Island.

Other organizations in the Research Park include:

- BioMedTech offers a spectrum of high quality assay stabilizers, protein blockers and custom coated microplates for enzyme immunoassays, ELISA tests, Fluorescent and chemoluminescent tests for high throughput screening, cell membrane receptor assays and for diagnostic lateral flow and flow-through assays.
- DMS International provides a leadership training center under a federal aviation administration learning services contract
- The Florida Center of Excellence for Drug Discovery and Innovation (CDDI) is a comprehensive center that enhances interactions between scientists and engineers to identify molecules of human health significance and develop novel methods for use in diagnosis, prevention and treatment of human disease.
- The Florida Department of Health Bureau of Laboratories provides diagnostic screening, emergency, monitoring, reference and research public health laboratory services with the

mission to protect, promote and improve the health of all people in Florida through integrated state, county and community efforts. The bureau also regulates environmental laboratories to protect public health.

- The USF Global Center for Hearing & Speech Research specializes in multidisciplinary research and development projects aimed at increasing knowledge and clinical treatments in the areas of hearing loss, deafness and speech problems, with emphasis on age-related hearing loss research and discovery.
- Graphicstudio, Institute for Research in Art, is a university-based atelier engaged in a unique experiment in art and education, committed to research and the application of traditional and new techniques for the production of limited edition prints and sculpture multiples.
- Lion Biotechnologies, Inc. is focused on the development of novel immunotherapies based on patient-specific T-cells for the treatment of metastatic melanoma and other solid cancers.
- University Diagnostic Center is a medical imaging center widely recognized throughout the community for its reputation of combining excellence with superior personalized patient care.
- USF Health Informatics Institute comprises a diverse team with expertise in biostatistics, epidemiology, health informatics, computer science, genetics, nutrition, public health, clinical trials and health services research. The Institute is able to provide the technical means to facilitate interaction and contributions in knowledge between physicians and patients throughout the U.S. and international communities.
- USF Research & Innovation is responsible for the promotion and support of the research and creative activities at the University of South Florida that are fundamental to its mission of excellence in teaching, research and public service. USF Economic Development, Technology Transfer Office, Sponsored Research, and Research Integrity & Compliance are all located within the Research Park.
- USF Small Business Development Center (SBDC) delivers, through certified professionals, consulting, training and information to help businesses succeed and create positive impact for the Florida economy, while providing value for its stakeholders.
- U.S. Department of Veterans Administration Research Department focusing on allergy, immunology and infectious disease; cardiovascular; cellular and molecular biology; diabetes; metabolic regulation and disorders; and neurodegenerative disease

Less than two miles from the Research Park is Florida Hospital Tampa, a 431-bed facility that is home to five Centers of Excellence, focusing resources on major disease areas including cancer treatment, women's health, pediatrics, diabetes management, orthopedics, as well as the Pepin Heart Institute and the accredited Neuroscience Institute specializing stroke care.

Located on the USF Tampa campus, the H. Lee Moffitt Cancer Center & Research Institute is dedicated to the singular mission of prevention and cure of cancer. As a National Cancer Institute Comprehensive Cancer Center, Moffitt is part of an elite group of cancer centers nationwide that focus on the quick translation of research advances to improvements in patient care.

Directly adjacent to USF Tampa is the James A. Haley Veterans' Hospital. Since 1972 it has been improving the health of the men and women who have so proudly served our nation. This teaching hospital is the busiest of five polytrauma facilities in the nation with services available to more than 116,000 veterans living in a four-county area of Florida.

Affiliated with the University of South Florida's Morsani College of Medicine since its inception in the early 1970s, Tampa General Hospital (TGH) is the university's primary teaching affiliate with over 300 residents assigned for specialty training in areas ranging from general internal medicine to neurosurgery. Located on Davis Islands in downtown Tampa, TGH is the area's only Level 1 trauma center and one of just four burn centers in Florida. TGH is home to one of the leading organ transplant centers in the country and is a state-certified comprehensive stroke center with the largest neuroscience intensive care unit on the west coast of Florida.

Across the bridge from Tampa in St. Petersburg, All Children's Hospital, a member of Johns Hopkins Medicine, is a specialty licensed children's hospital on Florida's west coast and is dedicated to advancing treatment, education, research and advocacy in child health.

Also across the bridge is the C.W. Bill Young Department of Veterans Affairs Medical Center. Since 1933, the Young Center has been improving the health of the men and women who have so proudly served our nation with services available to veterans living in a ten county catchment area in west central Florida.

Local shopping opportunities include the University Mall located almost next door to USF, Westfield Citrus Park, Westshore Plaza, The Shops at Wiregrass, International Plaza and Bay Street and many more.

Entertainment options include the Florida Aquarium located in the Channelside district, Lowry Park Zoo, Adventure Island and Busch Gardens. The Tampa Theatre opened in 1926 and presented extravagant vaudeville shows, concerts and silent films. Following a complete restoration, the Tampa Theatre now features an acclaimed film series of cinema from around the world, live concerts and special events.

Tampa is home to many museums, including the Glazer Children's Museum at Curtis Hixon Waterfront Park, the Henry B. Plant Museum on the campus of the University of Tampa, Museum of Science & Industry (MOSI) located just down the street from USF, Tampa Museum of Art downtown along the Tampa Riverwalk, and the USF Contemporary Art Museum on the USF Tampa campus. The Ybor City Museum invites visitors to experience the cultural heritage of Ybor City, one of two National Historic Landmark Districts in Florida.

Money magazine ranked Tampa in 2015 as one of the Five Best Big Cities to live in, and the best city in the Southeast, with a population of 352,000, median home price of \$121,200, an average property tax of \$1,800 and 5.6% unemployment rate.

USF Economic Development and its umbrella program USF CONNECT link together the various economic development activities at USF and in the community, forming the epicenter of Tampa Bay's Innovation Ecosystem, a network of innovation-based companies, research, business development tools and government resources. USF provides the foundation through which USF CONNECT unites technology and talent with businesses throughout a 23-county region, providing access to top-tier research, students, inventors, local organizations, economic development councils, supporting industry, and capital funding sources. USF CONNECT was recognized for Excellence in Service as the winner of the Tampa Bay Technology Forum's 2013 Industry Achievement Award.

USF's Tampa Bay Technology Incubator (TBTI) supports technology research as a catalyst for economic development and facilitates the growth and development of life science and other high tech companies. TBTI has been recognized as one of the fastest growing incubation systems in the nation, with demonstrated results in the areas of job creation, new business development and facilitation of research-based commercialization. TBTI provides entrepreneurial support programs, services and physical infrastructure to start-up and advancing technology companies. Many companies originate in the community and seek USF's support to evolve their concepts to commercialization. One way TBTI assists is by providing access to costly critical research laboratory facilities and equipment which have saved incubator companies more than \$1.8 million. Information about the shared equipment can be found at <http://www.research.usf.edu/rf/tbti-shared-labs.asp>. Some of the equipment available includes:

- Differential Scanning Calorimeter (DSC) which measures the amount of energy absorbed or released by a sample

- Fourier Transform Infrared Spectrophotometer (FTIR) which detects the vibration characteristics of chemical groups in samples
- Ultraviolet Visible Spectrometer (UV-Vis) which uses light to determine molecules
- High Performance Liquid Chromatography (HPLC) which determines chemical compound structure such as the amount of a pharmaceutical ingredient in a drug

Located in the USF Research Park, the flagship incubator facility is located in the 100,000 square foot USF CONNECT building at 3802 Spectrum Boulevard. The facility serves both office-based and laboratory-based technology companies early in the maturation process. TBTI companies benefit from shared wet-lab facilities in the Interdisciplinary Research Building at 3720 Spectrum where clients can perform synthetic processes that require exhaust capabilities. This facility is mutually supported by private industry and Hillsborough County. The incubator facilities are continually enhanced, including additional wet lab facilities in 2014.

TBTI services include:

- Research and development partnerships with industry
- Access to technologies
- Workforce programs
- Technology commercialization
- New business development
- Critical research equipment
- Internships with USF students
- Class projects with USF faculty members
- Subject Matter Expert consultants and business mentors
- Educational and Networking Events

Prospective entrepreneurs apply for admission into TBTI. Once accepted into the program, they receive mentoring and advice on operating a successful business. TBTI staff work with new companies to determine a work plan for their time in the incubation program and prepare them to secure grants and follow-on funding to develop their technologies. For example, TBTI companies such as Claro Scientific and Saneron-CCEL Therapeutics have secured multi-million dollar grants. Current and graduate companies have also been awarded Small Business Innovative Research (SBIR) and Small Business Technology Transfer (STTR) grants for commercial application of innovative technologies.

Intezyne Technologies manages the day-to-day operation of the nuclear magnetic resonance (NMR) facility at 3720 Spectrum Boulevard. The NMR was made possible by capital funding from Hillsborough County. This equipment is available to all companies in the TBTI and allows users to identify the chemical structure of materials synthesized in the chemical synthesis laboratory. Since coming online in January 2007, the NMR has been available to operate 24 hours a day 7 days a week and has processed over 6,700 samples for incubated companies.

Currently, TBTI has:

- Incubated 60+ companies
- 50 alumni companies from the incubation program (nearly 100% of these have remained in the Tampa Bay area)
- Generated 250+ jobs
- Average wage over \$49,000
- 130+ partnerships with USF faculty
- Provided funding for 200+ USF students
- TBTI companies received \$8.4 million funding in the last 12 months

TBTI incubated companies comprise both community startups and USF spin outs. The majority are in bio/life sciences with others in engineering, software and information technologies. For more information about TBTI companies, please click on <http://www.research.usf.edu/rf/incubator-companies.asp>.

USF CONNECT supports its companies' growth through a series of educational seminars, mentoring sessions, networking events and the Florida High Tech Corridor Council's matching grants program. Consulting and coaching services are also offered through the Hillsborough County Small Business Information Center, SCORE and the Small Business Development Center.

USF works with several economic development organizations in the area, such as the City of Tampa Department of Economic and Urban Development, Enterprise Florida, Florida Economic Development Council, Florida High Tech Corridor Council, Greater Tampa Chamber of Commerce, Hillsborough County Economic Development, Tampa Bay Partnership, Tampa Innovation Alliance and the Tampa Hillsborough Economic Development Corporation.

There is a vibrant network of financial services and funding sources devoted to helping businesses grow as well as numerous industry organizations. Many TBTI companies benefit from relationships with BioFlorida, Florida Medical Manufacturers' Consortium, Pinellas Area Federal Contractors Association, Suncoast Technology Forum, Tampa Bay Technology Forum, and Tampa Bay WaVE.

USF Career Services and USF Muma College of Business Recruitment Services support the staffing needs of growing companies in the USF Research Park and entire Tampa Bay region.

The USF Center for Advanced Medical Learning and Simulation (CAMLS) (www.camls-us.org/about-camls/) provides access to a state-of-the-art facility for health professional education and training, combining simulation with research and innovation.

The USF Center for Entrepreneurship (www.ce.usf.edu/) is a nationally-ranked, multidisciplinary, campus-wide center focusing on entrepreneurial education, training and research.

USF CONNECT enjoys great support from the entire community, including the USF Foundation, Hillsborough County, and the Florida High Tech Corridor Council.

Why University of South Florida?

USF Research

- Nationally, USF is ranked 25th in total research expenditures among public universities by the National Science Foundation (NSF) and No. 2 in Florida (FY2014).
- USF ranks 41st in the nation in total research expenditures in research among all U.S. universities, public and private (NSF, FY2014).
- USF is classified by the Carnegie Foundation for the Advancement of Teaching in the top tier of research universities, a distinction attained by only 2.3% of all universities.
- *The Chronicle of Higher Education's Almanac of Higher Education* ranked USF as the nation's fifth fastest growing research university from 2000-2010.
- USF was awarded a record breaking \$440.6 million in research contracts and grants in FY2015.
- *Top American Research Universities* (TARU) ranked USF 38th among the nation's premier public research universities (2011).
- USF has established strengths in medicine, engineering, basic and interdisciplinary collaboration that have resulted in research discoveries and technology transfer in the life sciences.
- USF is an international leader in the study and treatment of brain diseases, with two major centers of excellence at the forefront of advancing research on brain-based diseases. Ranking as one of the nation's top centers for researching new treatments for Alzheimer's, Parkinson's and Huntington's disease, USF also is home to the USF Neuroscience Collaborative, comprised of over 200 USF faculty plus investigators within the Veterans Administration with expertise in a broad range of preclinical and clinical areas of neuroscience research. Major centers on the USF campus include: the prestigious USF Health Byrd Alzheimer's Institute, Florida's only stand-alone Alzheimer's Disease research and clinical center, with a highly qualified team of researchers, doctors, clinicians and educators at the forefront of Alzheimer's research and care; the Center of Excellence for Aging and Brain Repair, with its primary mission of developing new therapeutic strategies to promote repair and regeneration of aging and diseased brains; and the Rothman Center for Pediatric Neuropsychiatry which provides multi-disciplinary, evidence-based treatment for a broad spectrum of neuro-psychiatric illnesses in children.
- USF's global health program is also tackling global grant challenges like malaria and dengue fever (United Nations Millennium Development Goal # 6) with additional funding from the Bill & Melinda Gates Foundation.
- USF Health Informatics Institute has become the epicenter for juvenile diabetes research around the world. USF is a data and technology coordinating hub for nearly every major center worldwide conducting Type 1 diabetes clinical trials. The USF research portfolio includes \$400M of NIH funding for informatics programs in diabetes – a program that reaches world-wide and includes clinical and educational activities.
- USF's Clean Energy Center is a leader in photovoltaic technology.
- USF Marine Science researchers were the first to provide new tools to track the Deepwater Horizon oil spill and to identify the existence of vast clouds of microscopic oil suspended in the Gulf's depths. USF's monitoring of the oil spill was possible because of in-depth knowledge of water and wind patterns in the Gulf of Mexico.
- USF provides an ideal location for conducting research related to veterans' reintegration, rehabilitation and resilience. About one quarter of Florida's 1.72 million veterans reside in counties served by USF. USF is affiliated with two major VA hospitals. The 523 bed James A. Haley VA hospital, adjacent to USF's main campus in Tampa, houses the busiest among the five VA polytrauma hospitals in the US. Across Tampa Bay is the C.W. Bill Young Department of Veterans Affairs Medical Center (397 beds). Additionally, over 2,100 veterans and their families are enrolled as students at USF.

- USF's Veterans Reintegration and Resilience Initiative fosters research collaborations and state-of-the-art research aimed at the rehabilitation of military veterans and their adjustment and reintegration into civilian life. The initiative has brought together numerous researchers involved in funded studies related to such topics as traumatic brain injury, post-traumatic stress disorder (PTSD), robotics and prosthetics, speech and audiology, gait and balance, and aging-related disorders.
- USF's College of Marine Science successfully competed for one of eight research centers worldwide, funded at \$11 million by BP.
- USF's College of Nursing ranks #1 in Florida and #24 among nursing schools nationwide to receive research funding from National Institutes of Health (NIH) (Blue Ridge Institute for Medical Research, 2015), #1 veteran-friendly nursing program in the country (College Factual, 2015) and #40 graduate nursing program in the nation (US News & World Report, 2016). USF nursing research focuses on two broad-based initiatives, chronic illness and veterans' health.

USF Inventors and Innovators

- Patents: Currently ranked 10th in the U.S., 13th worldwide and 1st in Florida among universities receiving U.S. utility patents (2014); ranked among the Top 300 all organizations worldwide receiving U.S. utility patents (2014); USF has ranked in the Top 15 universities worldwide for the past 5 years (Intellectual Property Owners Association/NAI, 2014).
- Licenses & Options: USF ranks in the top 15 nationally based on 2014 AUTM data with 119 licenses and options executed in FY2015.
- Start-ups: USF ranks in the top 20 nationally based on 2014 AUTM data with 11 new Start-ups based on USF technology launched in FY2015 alone.
- Products: USF is developing a robust commercialization pipeline with a number of products entering the market, including 36 potential products at preclinical, development or prototype stage; two Phase I, eight Phase II and two Phase IIB therapeutics; and 57 products currently available on the market.
- USF has been recognized by National Science Foundation with an NSF Innovation Corps Site (I-Corps Site) Award in 2015, one of only 36 nationally and only the second university in Florida to receive such recognition.
- USF ranked 3rd nationwide for NSF I-Corps teams in 2014, which include a student, faculty member and outside mentor on each team.
- Five teams were awarded funding in FY2015 totaling \$250,000.
- USF is the founder and home of the National Academy of Inventors (NAI), a non-profit member organization with over 3,000 individual inventor members and Fellows spanning more than 200 U.S. universities, and governmental and non-profit research institutions. The USF Chapter of the NAI has more than 380 USF faculty, staff, students and alumni members, who collectively hold more than 2,000 U.S. patents. The USF Chapter actively encourages and mentors young inventors, particularly through the USF Young Innovator Competition. The NAI's annual meetings included active participation by the United States Patent & Trademark Office (USPTO). The NAI publishes the multidisciplinary journal *Technology and Innovation*.

USF Faculty

- In 2015, USF faculty received a record 91 highly prestigious awards, including AAU, TARU, and NRC awards.
- USF is ranked 110th among all of the world's universities in a ranking of faculty publications, according to High Impact Universities (2010).
- Ten USF professors are members of the U.S. National Academies (National Academy of Science, National Academy of Engineering, National Academy of Medicine).
- In both 2014 and 2015, USF ranked 4th worldwide among organizations with the most AAAS Fellows named in one year.

USF and Community Engagement

- USF is one of the nation's top 73 public research very high universities (RU/VH) and one of only 40 public research universities nationwide with very high research activity that is designated as community engaged by the Carnegie Foundation for the Advancement of Teaching.
- USF received designation as an *Innovation & Economic Prosperity University* by the Association of Public and Land-grant Universities (APLU) in 2015, in recognition of USF's economic engagement in the Tampa Bay region.
- USF is featured on the Honor Roll on the "Saviors of Our Cities: 2009 Survey of College and University Civic Partnerships."
- USF is ranked at No. 2 among the country's Best for Vets: Colleges 2016 (Military Times).
- USF ranks in the top 15% of all colleges, universities and trade schools nation-wide as a Military Friendly School®, as named by G.I. Jobs magazine.
- USF is one of only 16 universities in the nation selected as a Tillman Partnership University of the Pat Tillman Foundation, a selection based on innovative veteran-specific support services and proven culture of community for military families.

USF and Sustainability

- USF is one of only 22 institutions on the 2014 Green Rating Honor Roll list by *Princeton Review*.
- USF is featured in *Princeton Review's Guide to 353 Green Colleges: 2015 Edition* as one of 353 institutions of higher education that demonstrate a strong commitment to sustainability in their academic offerings, campus infrastructure, activities and career preparation.
- According to *Sierra* magazine's "America's Coolest Schools" rankings, USF ranks 7th among American universities and colleges for advances in sustainability in research and education (2014).
- USF is one of a small number of universities nationwide to receive a GOLD RATING for building an environmentally-conscious campus. (Association for the Advancement of Sustainability in Higher Education, 2014).
- USF's Patel College of Global Sustainability fosters sustainable urban communities and environments through collaborative research, education and community involvement. Its research generates innovations and new knowledge that will help cities around the world, including those in developing countries, to reduce their ecological footprint, while improving their form and function to make them healthier, more livable and resilient. Through its research, it influences global practice and policy and has become the hub of a global network of sustainability experts.

USF and Social Responsibility

- USF is ranked 78th nationally, out of more than 1,500 institutions of higher education, for social mobility, research and civic engagement, according to *Washington Monthly* (2015).

USF and Business Development

- The Small Business Development Center at USF has helped more than 168,000 small business owners and entrepreneurs in West Central Florida create and retain nearly 45,000 jobs and government contract awards worth more than \$1 billion since it began in 1980.
- USF's Center for Advanced Medical Learning & Simulation (CAMLs) is a state of the art training and research facility, expected to draw as many as 60,000 health care professionals annually from around the world for training and certification in high-tech procedures. It has attracted \$10 million in investment and equipment from companies that have not worked in Florida previously.
- USF's Center for Drug Discovery and Innovation represents a significant investment by the State of Florida and USF in bridging USF's basic research strengths and private industry interests to promote economic development.

USF Partnerships and Affiliations

- Currently, USF has more than 200 active collaborative agreements in more than 60 countries with over 170 institutions around the world, laying the foundation for the development of mutually strengthening and enriching international educational and research experiences for both faculty and students. The university also has numerous research and health care partnerships with hospitals and not-for-profit organizations in the metropolitan Tampa Bay area that provide for collaboration through shared facilities, faculty and equipment. Local partnerships include:
 - All Children's Hospital
 - Bayfront Medical Center
 - C.W. Bill Young Department of Veterans Affairs Medical Center
 - USF Health Byrd Alzheimer's Center and Research Institute
 - Florida Hospital Tampa Bay Division
 - Florida Institute of Oceanography
 - James A. Haley Veterans' Hospital
 - H. Lee Moffitt Cancer Center and Research Institute
 - Mote Marine Laboratory
 - Shriner's Children's Hospital
 - SRI International
 - Tampa General Hospital
 - U.S. Geological Survey

USF Research Centers and Institutes

A variety of activities in such areas as health care, transportation, biodefense, education, and engineering are conducted at USF by specialized research and development centers and institutes. The university currently has over 100 such centers and institutes – many of which function in an interdisciplinary fashion, enabling coordination of projects across colleges. Centers of Excellence are designated by the State of Florida. USF Research Centers include:

- Center for Applied Research in Medical Devices
- Center for Assistive, Rehabilitation Robotics Technologies
- Center for Communications and Signal Processing
- Center for Modeling Hydrologic and Aquatic Systems
- Center for Rehabilitation Engineering and Technology
- Center for Urban Transportation Research
- Center for Wireless and Microwave Information Systems
- Center of Excellence for Aging and Brain Repair
- Clean Energy Research Center
- Florida Center of Excellence for Drug Discovery and Innovation (CDDI)
- Global Center for Hearing and Speech Research
- Interdisciplinary Center for Digital and Computational Video
- Nanomaterials and Manufacturing Research Center
- Nanotechnology Research & Education Center
- Power Center for Utility Explorations
- Virtual Manufacturing and Design Laboratory for Medical Devices

USF Core Facilities

Architecture:

- Florida Center for Community Design and Research

Arts & Sciences:

- Alliance for Integrated Spatial Technologies

Cell Biology:

- CMMB Core Facility

Center for Drug Discovery and Innovation (CDDI):

- Biotechnology Development & Testing Facility
- CDDI Proteomics Facility

Chemistry:

- NMR Core Facility

Engineering:

- Nanotechnology Research and Education Center

Geology:

- Center for Geochemical Analysis

Information Technologies:

- Research Computing

USF Health:

- Biostatistics Core
- Fred Wright Flow Cytometry Core Facility and Proteomics & Genomics Core Laboratory
- Fred Wright Jr. Laboratory for Cell Isolation and Analysis
- Human Functional Performance Laboratory
- Lisa Muma Weitz Advanced Microscopy & Cell Imaging Core Laboratory
- Phyllis & Walter Mason Laboratory for Small Animal Imaging & Advanced Cardiovascular Research
- Shared Equipment Core Laboratory
- Telemetry & Behavioral Core Laboratory
- USF Hyperbaric Biomedical Research Laboratory

USF's Research Enterprise

USF Research & Innovation supports the university's research enterprise, providing services to USF and its affiliated partners. Central research support areas include:

- Office of the Senior Vice President for Research, Innovation & Economic Development
- Sponsored Research
- Technology Transfer Office/Patents & Licensing
- Research Integrity and Compliance
- USF Research Foundation, Inc.
- USF CONNECT
- Tampa Bay Technology Incubator and Student Innovation Incubator
- USF Research Park
- Comparative Medicine
- Research Technologies
- Research Administration Education and Training (TRAIN®)
- Veterans Research

Why Tampa?

USF and the Tampa Bay Region

- Tampa was listed in Kiplinger's list of 10 great cities for starting a business.
- *Forbes* rated Tampa Bay one of the top 10 locations in the country for technology-related jobs because of the presence of graduates from USF's engineering and computer sciences programs.
- *Forbes* reported Tampa Bay number 7 in a survey of where jobs will be.
- The City of Tampa is a key player in the Startup America Partnership, a national initiative that has funneled more than \$730 million to new businesses in Florida and six other states.
- Tampa Bay offers superb electronic connectivity. Tampa is a major node on the Florida LambdaRail, LLC (FLR), which is complementary to the National LambdaRail (NLR) initiative, a national high-speed research network initiative for research universities and technology companies.
- Tampa International Airport (TIA), located just 14 miles from the USF Tampa campus, is recognized as "America's Favorite Airport" and is consistently voted one of the best in the world. TIA is ranked as the 2nd best domestic airport by *Travel & Leisure* magazine.
- The Port of Tampa is Florida's largest cargo port, handling 40% of maritime cargo entering the state (TBO.com).
- In 2005, there were 288 medical product firms in Tampa Bay area employing almost 12,000 workers and \$3.4 billion in direct contributions. The industry's total economic output was \$6.4 billion in 2004 and the medical device segment was responsible for \$4.4 billion. The industry's employment impact on the Bay area was 37,000 jobs with \$1.8 billion in labor income.
- The Tampa Bay region represents Florida's largest media market.

Florida Advantages for Business

The State of Florida has:

- No corporate income tax on limited partnerships.
- No corporate income tax on subchapter S-corporations.
- No state personal income tax guaranteed by constitutional provision.
- No corporate franchise tax on capital stock.
- No state-level property tax assessed.
- No property tax on business inventories.
- No property tax on goods-in-transit for up to 180 days.
- No sales and use tax on goods manufactured or produced in Florida for export outside the state.
- No sales tax on purchases of raw materials incorporated in a final product for resale, including non-reusable containers or packaging.
- No sales/use tax on co-generation of electricity.
- According to the Dice Report, Florida ranked 2nd in job creation for 2014.

For more information on the Tampa Bay area, visit <http://www.tampabayshines.com/>.