USF Research & Innovation
NEW FACULTY ORIENTATION

August 11, 2020
Welcome New Faculty!

Michael Bloom, Ph.D.
Assistant Vice President for Corporate Partnerships & Innovation

www.Research.USF.edu
Paul R. Sanberg, Ph.D., D.Sc.
Senior Vice President for Research, Innovation & Knowledge Enterprise
Executive Director, Center of Excellence for Aging and Brain Repair
Distinguished University Professor
President, National Academy of Inventors
Promoting a Culture of Innovation in Florida & Across the U.S.
ONE UNIVERSITY GEOGRAPHICALLY DISTRIBUTED

TAMPA CAMPUS
ST. PETERSBURG CAMPUS
SARASOTA-MANATEE CAMPUS

UNIVERSITY OF SOUTH FLORIDA
Research & Innovation at
St. Petersburg and Sarasota-Manatee

John Johnson
Research & Innovation
St. Petersburg Campus

Sandy Justice
Research & Innovation
Sarasota-Manatee Campus

https://www.stpetersburg.usf.edu/research/

https://www.sarasotamanatee.usf.edu/research
Six Focus Areas

As a robust system, USF has numerous areas of research excellence (see Strengths and Opportunities Analysis for a more comprehensive list of key research strengths, Appendix, p.39). With disciplined and focused investments, USF can continue on a sustained upward trajectory in the following Six Focus Areas (see details on the Six Focus Areas in the Appendix, pp.21-27).

1. **Brain and Spinal Cord**, including neuroscience, neuromorphic computing, cognitive sciences, aging, hearing loss, Alzheimer’s, Parkinson’s and other neurodegenerative diseases, prostheses, and spinal cord and traumatic brain injury prevention and mitigation.

2. **Data Science**, including data analytics, financial data analysis, pattern recognition in big data, big data visualization, electronic health records, health informatics and digital humanities.

3. **Heart**, spanning basic, translational and clinical research, and cardiovascular disease-related care, with emphasis on biological systems research that would be applicable across areas that contribute to cardiovascular disease.


5. **Research Translation** of intellectual property into products, industry collaborations, software services, startups, processes, and policies that improve the human condition, including supporting economic development and job creation.

6. **Water**, spanning marine science, purification, supply and management, ocean ecology, coastal ecosystems, fisheries, natural hazards and sustainability.

The Six Focus Areas are aligned with national priorities and initiatives and are broadly defined. Opportunities exist for participation of most, if not all, colleges, departments, centers and institutes in these areas. Participation of multiple and disparate disciplines will enable USF to be distinctive and impactful.

www.usf.edu/research-innovation/about-usfri
USF’s Innovation Enterprise
2019 | Significant and Growing Economic Impact Since 2016*

$582+ MILLION
statewide impact each year

46% INCREASE*

Sustains
4,000+ JOBS
35% INCREASE*

$314 MILLION
ADDED
in direct gross domestic product value
40% INCREASE*

USF’s Innovation Enterprise is made up of 4 areas:
• USF Research Park
• Tampa Bay Technology Incubator (home to 70+ resident & affiliate companies)
• Technology Transfer Office / Patents & Licensing
• Office of Corporate Partnerships

$71 MILLION
37% INCREASE*

returned in local, state and federal tax revenue

*Percentage Increase from 2016.
Ranked in the **TOP 10** American Public Research Universities for **U.S. Patents**
4th Worldwide for AAAS Fellows Elected Annually for the Past FIVE Years*

USF has 73 AAAS Fellows

*2015-2019 among organizations with the most new Fellows of the American Association for the Advancement of Science elected in each year.
Sponsored Research

Eric Kern
Director

https://www.usf.edu/research-innovation/sr/
Sponsored Research

Your Partners in Research Administration!

Pre-Award Services

• Funding Searches
• Electronic Research Services
• Proposal Preparation & Submission
• Contract & Subcontract Negotiations
• Regulatory Compliance
• Sponsor Liaison
• Preliminary Award Setup
• Subcontracting & Subrecipient Monitoring

Post-Award Services

• Award Setup
• Financial Management
• Sponsor Invoicing and Reporting
• Expenditure Transfers
• Override Requests
• Effort Reporting
• Compliance and Risk Management
• Closeouts & Retention

https://www.usf.edu/research-innovation/sr/
Faculty One-Stop provides USF researchers with quick links to guides, instructions, tools, forms, online training, and more.

- Search for funding
- Proposal development
- Proposal submission
- Compliance
- Financial/technical administration

www.usf.edu/research-innovation/train/train-facultyone-stop.aspx
Research Integrity & Compliance

Protecting You and the University

Gina Larsen
IRB Manager
Social & Behavioral

www.usf.edu/research-innovation/research-integrity-compliance/
Research Integrity & Compliance

- Human Research Protection Program
  - Institutional Review Board (IRB)
  - HIPAA Privacy Program
  - Quality Assurance/Quality Improvement Program
- Institutional Animal Care and Use Committee (IACUC)
- Institutional Biosafety Committee (IBC)
- Export Controls Program
- Conflict of Interest (COI) in Research
- Scientific Diving Safety Program
- Boating Safety Program
- Radiation Safety Program
- Laser Safety Program
- Ethyl Alcohol Program
- IND/IDE Assistance Program
- Responsible Conduct of Research

[Logos: AAALAC International, Association for the Accreditation of Human Research Protection Programs, Inc.]
Research Integrity & Compliance

Our Mission:
To ensure research performed within the university system is safe and ethical; to facilitate the conduct of research; to comply with applicable regulations, laws, and institutional polices; and thereby, promote a culture of integrity in research.

Our Goal:
To facilitate research by making it as streamlined and effortless as possible. We strive to educate the researcher in all areas involving research compliance, to aid them in the process and to maintain open communication.
Faculty Honors, Prizes & Awards

Victoria Stuart, PhD
Program Director

https://awards.research.usf.edu/
Faculty Honors, Prizes & Awards

- Helping Faculty Achieve Recognition
- One of the many services provided by USF Research & Innovation

https://awards.research.usf.edu/
Faculty Honors, Prizes & Awards

Benefits for Faculty

- Public recognition and awareness for your work, department, and college
- Opportunities to connect with colleagues around the world
- Time and support for research projects
- Awards for every career stage

https://awards.research.usf.edu/
Faculty Honors, Prizes & Awards

How We Help
- Facilitate nominations for highly prestigious awards
- Host workshops & seminars
- Communicate achievements
- Faculty Awards website

Extensive resource of more than 2,000 honors and awards opportunities

https://awards.research.usf.edu/
USF Technology Transfer Office (TTO)

David Conrad, PhD, MBA
Director

http://www.usf.edu/research-innovation/pl/
USF Technology Transfer Office will help you with:

• Intellectual property: patents, copyright, trade secrets, trademarks, research tools
• We provide “Cradle to Grave” responsibility for USF patented technologies, from disclosure of inventions to management of active licenses
• Confidentiality Agreements
• Material Transfer Agreements
• Assistance with the commercialization section of grants
• Patent Searches
• Start-up Facilitation
USF’s Tenure & Promotion Policy

recognizes “the impact of applied work, e.g., through inventions, development and potential commercialization of intellectual property, and technology transfer.”
Inventors are Our Most Valuable Asset

Disclose directly to TTO Office:
813-974-0994

www.usf.edu/research-innovation/pl/
I-Corps at USF
TRANSITIONING YOUR IDEAS & INVENTIONS INTO THE MARKETPLACE

What makes a great idea?
The I-Corps program at USF can help you find out.

http://innovation.usf.edu/icorps
Office of Corporate Partnerships & Matching Grants Program

Morgan Holmes
Director, Office of Corporate Partnerships

Elizabeth Nelson
Program Director Matching Grants

www.usf.edu/partner

https://www.usf.edu/research-innovation/rf/usf-connect/funding-available/
Office of Corporate Partnerships

www.usf.edu/partner

PARTNER WITH USF

The future will be shaped by those who collaborate

Now we're making it easier than ever for companies to connect with one of the nation's fastest rising public research university systems.

When your company is looking for a partner in research, innovation, or talent development, the USF Office of Corporate Partnerships will connect you to the future.

Discuss your partnership today with
Michael Bloom, Ph.D.
Assistant Vice President
Office of Corporate Partnerships
813-974-9737 or mbloom@usf.edu

usf.edu/partner

CORPORATE PARTNERSHIP VIDEOS

PARTNER WITH USF

Build Your Brand at USF

Innovate with USF

USF is internationally recognized as a premier institution for excellence in education, research, partnerships, student and faculty development. Through generous philanthropic support, USF has made great success in effectively building and growing a reputation for excellence in healthcare, research, and education. USF is a major public research university that serves as a catalyst for innovation, generating new solutions to complex problems faced by society.

office@usf.edu

www.usf.edu/partner
Office of Corporate Partnerships

OCP produces major events to connect companies with USF researchers:

Corporate Forums on **Aging & Technology**, and **AI+X (Artificial Intelligence)**, and **Innovation & Economic Prosperity Summits**
The Florida High Tech Corridor Council Matching Grants Research Program

The Corridor’s flagship program

• Fosters applied research with local industry partners

• Supports projects in line w/economic development and research priorities

• Provides up to $150,000 in matching funds
  • Matches industry investment

• Expands project’s scope of work and supports student participation
USF CONNECT

Shannon Pastizzo
Program Director

http://www.usfconnect.org
USF CONNECT

• Facilities
  • Shared labs with more than $1 million in shared equipment
  • Conference, meeting rooms, professional office space
  • Co-working space
• Mentors
• Seed Florida funding for early-stage companies
• Access to USF researchers, technologies through TTO, and students & courses
• Partner events and network
• Educational workshops and seminars
• Investor pitching opportunities

http://www.usfconnect.org
Tampa Bay Technology Incubator

- 70 Incubator companies served this past year
- $157 million external funding to date
- 354 jobs created and retained
Tampa Bay Technology Incubator (TBTI)

- Entrepreneurial support services & physical infrastructure
- Only tech business incubator in the region to support bio and life science companies with state-of-the-art wet labs
- Over 55% of TBTI companies focus on bio & life sciences
- About 50% of TBTI companies are commercializing technologies developed by USF researchers
- Selective vetting process
Student Innovation Incubator

- 146 student-led companies since 2013; 25 each year
- Provides mentors, space, networking with community partners, and business training, including I-Corps
USF Research Foundation, Inc.

Allison Madden
Director, Research Foundation Operations
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www.research.usf.edu/rf/
Coming Fall 2021
Honoring Invention: Sanberg Family Inventors Commons
Established in 2013, the Florida Inventors Hall of Fame recognizes and celebrates notable Florida inventors.

To date, 51 distinguished inventors have been inducted into the Florida Inventors Hall of Fame, including 10 from USF. Collectively they hold nearly 3,000 patents.

The Florida Inventors Hall of Fame Museum is located at the USF Research Park and is open to the public.
Jayde Stewart  
**Director**

[Image of Jayde Stewart]  

www.academyofinventors.org
National Academy of Inventors

Founded at USF in 2010 to:

- **Recognize and encourage** academic inventors with patents issued from the U.S. Patent and Trademark Office
- **Enhance** the visibility of academic technology and innovation
- Translate the inventions of its members to benefit society

**NAI Fellow** status is the highest professional distinction accorded solely to academic inventors.

- **1,228** Fellows worldwide representing **250+** universities
- Collectively hold **38,000+** patents
- USF has 23 NAI Fellows
The USF Chapter is the founding and largest Chapter among the 50 local chapters of the NAI.

Collectively, the USF Chapter’s 550+ Members hold over 2,650 U.S. Patents.
Share your stories of research, innovation and professional achievements

Local, National & International Honors

Research & Innovation Excellence

Inspiring a New Generation
Follow us on Social Media

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