

# USF SUMMER GRANT WRITING WORKSHOPS

**2021**  
PROGRAM



UNIVERSITY of  
**SOUTH FLORIDA**  
SARASOTA-MANATEE CAMPUS

## OVERVIEW



### USF AT A GLANCE

- **Founded:** 1956
- **Undergraduates:** 37,350
- **Graduate Students:** 11,358
- **Accreditation:** Institutionally Accredited, Southern Association of Colleges and Schools Commission on Colleges
- **Student-faculty ratio:** 21:1
- **Average class size:** 33 students
- **Faculty & Staff:** 16,310
- **Diversity:** 42% of students are African American, American Indian, Asian, Hispanic, Native Hawaiian or Other Pacific Islander, or multiracial.
- **Countries Represented:** 141

Though a relatively young university, founded in 1956, we have rich traditions – traditions of access and opportunity for students, of academic excellence, of groundbreaking research, of serving our communities. USF is situated in the vibrant and diverse Tampa Bay region, with campuses in Tampa, St. Pete and Sarasota-Manatee.

Together, our campuses serve more than 50,000 students pursuing undergraduate, graduate, specialist and professional degrees. Across our 13 colleges, undergraduates choose from more than 200 majors, minors and concentrations, from business and engineering to the arts and USF Health.

USF is the fastest-rising university in America, according to U.S. News and World Report's (U.S. News) 2021 Best Colleges rankings. Over the past 10 years, USF has risen 78 spots among all universities and 54 spots among public universities, more than any other university in the country. This is the second consecutive year USF is among the top 50 public universities in the nation, according to U.S. News.

High-impact global research is central to USF's mission as one of only three Preeminent Research Universities, as designated by the Florida Board of Governors. The Preeminence program rewards high-achieving universities based on 12 metrics, including graduation rates, student retention rates, research expenditures and the number of patents awarded.

With 108 new U.S. utility patents granted in 2019, USF is eighth among American public research universities and 16th among all universities worldwide in generating new patents. The ranking places USF as a leader among the more than 1,000 academic institutions generating new, novel and useful inventions granted intellectual property protection from the U.S. Patent and Trademark Office.

USF's innovation and economic development efforts produce tangible benefits across Florida. They generate more than \$582 million in statewide impact each year, sustain more than 4,000 jobs and return more than \$71 million in tax revenue to local, state and federal coffers. Of the jobs created statewide by USF innovation, 82 percent are in the knowledge-based services sector.

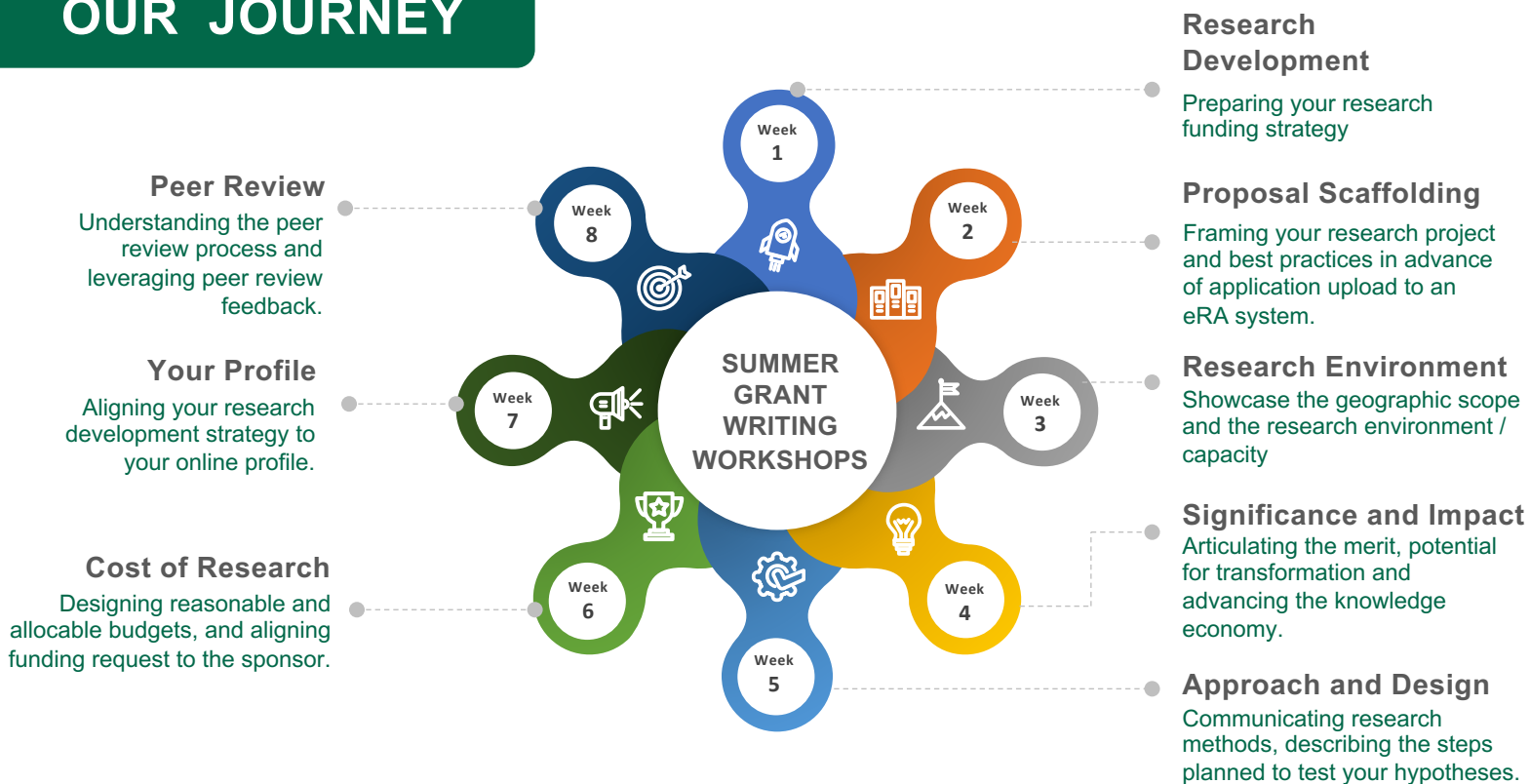
# WELCOME

## YOU are the future of research!

Welcome to the USF Summer Grant Writing Workshops. This eight-week program is designed to guide participants through the grant writing process. You will have the opportunity to earn a Grant Writing Skills badge and a USF Certificate in Grant Writing.

Each year, through active participation in the workshops, we aim to cultivate a sense of community across the cohort of early career researchers, subject matter experts and grant administrators. The program is delivered in webinar mode on the Zoom platform, and we strongly encourage your use of the chat function. We invite you to add to the conversation, ask questions, and contribute to question responses.

## OUR JOURNEY



# RESOURCES VAULT

## A Vault of Resources

The USF Summer Grant Writing Workshops program is designed to serve as your road map to grant writing success. The program and other related materials are available in Canvas Resources.

We will continue to grow the vault of resources week-by-week. Specifically, you will find templates, samples, guides, videos and other select resources for new grant writers and early career researchers.

Resources now reflect the expanded program, including grant writing resources from across the nation. We invite the brain trust represented in this year's cohort to contribute to this vault of resources. If you have material to add and share, please send us an email at [research@sar.usf.edu](mailto:research@sar.usf.edu).



**EXCLUSIVE ACCESS FOR REGISTERED PARTICIPANTS**



**RESOURCES UNLOCKED THROUGH SEPTEMBER 1, 2021**



# BADGE AND CERTIFICATE

## Grant Writing Skills Badge

All participants have the opportunity to earn their USF Grant Writing Skills badge. The Grant Writing Skills badge is earned through the weekly 'Test Your Knowledge' quizzes.

## Grant Writing Certificate

All participants have the opportunity to earn their USF Grant Writing Certificate. To earn the Certificate, participants must complete the quizzes and the writing assignment. The writing assignment may be accomplished with or without a specific grant opportunity in mind.

If you have a specific proposal that you plan to develop as part of this workshop series, then drafting that grant may serve as your writing assignment for this credential. If you do not have a specific grant identified, the Proposal Development Worksheet (PDW) may be used as a framework to help you develop your research project. The PDW is included in Canvas Resources. If you are submitting a draft grant as your writing assignment, which is strongly recommended, please include the name of the sponsor, the application deadline and link to the grant opportunity.

*Please note that project budgets, biosketches and other application elements are not required to earn the Certificate. We do recommend that participants consider completing eRA profile development that is relevant to their research as well as supplemental research training provided by their home institution.*

- CITI training
- eRA - SciENcv profile
- Sponsor registration  
(e.g. NIH ASSIST, NSF Research.gov)



# INSTRUCTOR



**SANDRA JUSTICE, CRA**

**University of South Florida**  
*Associate Director for  
USF Research & Innovation*

Sandra Justice, CRA, was appointed Associate Director for USF Research & Innovation in 2020. She has served as a research administrator at USF for more than 15 years, leading the research office at the Sarasota-Manatee campus since 2017, with oversight for all Sarasota-Manatee campus research programs and grant services as a key member of the administrative leadership team of the Regional Chancellor.

She serves on the Task Force for the USF Pandemic Response Research Network (PRRN) and is a member of the National Organization for Research Development Professionals (NORDP), Society of Research Administrators International (SRAI), and National Council of University Research Administrators (NCURA). She serves on the editorial board for the Journal for Research Administration, board of The Perlman Music Program Suncoast, and as liaison IRB member for New College of Florida.

In 2016, her team at USF was awarded the “Big Ideas Research Grant” entitled, Themes for International Research Toolkit, with USF World Vice President Kiki Caruson and Laurel Thomas, International Research & Global Engagement Manager. She received a JRA Arthur Fellowship in 2021 for her study examining the impact of grant writing workshops on faculty productivity. Prior to her tenure at Sarasota-Manatee, she served as a grant administrator in the School of Medicine at Emory University. She is a graduate of the University of South Florida and holds CRA certification from the Research Administrators Certification Council.

# FACILITATOR



**DAVID CROXFORD**

**University of South Florida**  
*Office Manager,  
Regional Chancellor*

David Croxford joined the USF Sarasota Manatee campus in October 2016 as Staff Assistant for the Regional Chancellor’s office and is currently serving as the Office Manager. An Ohio native, Dave relocated to Sarasota from Ithaca, NY where he served at Cornell University as the Accounts Representative for the Department of Horticulture in the College of Agriculture and Life Sciences. Prior to joining USF Sarasota – Manatee Campus, Dave worked as a financial analyst in the private sector.

# KEYNOTE SPEAKERS



**NORMA ALCANTAR, Ph.D.**

**University of South Florida**  
*Chemical, Biological and  
Materials Engineering*

Dr. Alcantar received her Ph.D. degree in Chemical Engineering from the University of California-Santa Barbara (UCSB). Dr. Alcantar is an expert in surface force measurements, and Fourier transform infrared spectroscopy. Her research interests include Interfacial Phenomena and chemical characterization of biomimetic membranes, drug delivery systems, micellar surfactants, green chemistry materials, water purification systems, nanoparticles, and organic/inorganic thin films. Dr. Alcantar is a member-elect of the Engineering Section Steering Committee of the American Association for the Advancement of Science (2018-2022).

Further, Dr. Alcantar is a Fellow of the American Institute of Medical and Biological Engineers (AIMBE), and Chair of the Committee for Underrepresented Minorities of AIMBE. She also served as the 2019 President of the Executive Committee of the USF National Academy of Inventors Chapter. She was the recipient of a 2016-2017 Core Fulbright Award and the 2018 Summer Faculty fellowship from the Jewish National Fund. She was also awarded the Excellence in Innovation Award by the National Academy of Inventors in 2016. She has been a departmental Director for the Alfred P. Sloan Foundation Minority Scholars Program to advancing underrepresented minority students in science, technology, engineering, and mathematics, since 2005, and manages two graduate certificates in the College of Engineering at USF: the Water, Health and Sustainability and the Materials Science and Engineering programs since 2011. Dr. Alcantar's research projects have been awarded 22 U.S. patents and she has over 50 publications.



**KIKI CARUSON, Ph.D.**

**University of South Florida**  
*Associate Professor & Assistant Vice  
President for Research, Innovation  
and  
Global Affairs*

Dr. Kiki Caruson leads USF's global engagement and global development activities. Dr. Caruson is an expert regarding the best practices for promoting strong relationships between university research and international offices and the data and metrics associated with successful global engagement across faculty, students, alumni, and global partners. She led an AIEA-Sponsored Thematic Forum: Developing Institutional Strategies for Growing Global Research held at the University of South Florida in 2014, which launched subsequent conferences hosted by Rutgers University (2016) and the University of California, Davis (2018).

Dr. Caruson is the author of numerous publications including "International Research Partnerships," in NAFSA's Guide to International Partnerships: Developing Sustainable Academic Collaborations, 2019; "Building International Research Capacity: The SIO Perspective," in NAFSA's Senior International Officer Guide, 2019; and Globalizing University Research: Innovation, Collaboration, and Competition (with Karen A. Holbrook) published in 2017 by the Institute of International Education (IIE). In 2016, Dr. Caruson received the inaugural Big Ideas Award from the Society for Research Administrators International for the creation of a peer-resourced, web-based Global Research Toolkit.

Dr. Caruson is an alumna of the USIEF India Fulbright Program for senior international education administrators (2013). She has led student groups to Panama, India, and Peru, and has twice received USF's Outstanding Teaching Award. A faculty member in the School of Interdisciplinary Global Studies within the College of Arts and Sciences, Dr. Caruson maintains an active, interdisciplinary research portfolio; is an advisor and mentor to graduate and undergraduate students; and has served in leadership roles in a number of professional organizations affiliated with her academic discipline, international education, and research administration.

# KEYNOTE SPEAKERS



**WILLIAM ELWOOD, Ph.D.**

**National Institutes of Health**  
*OppNet / Health Sciences*  
*Administrator*

Dr. Bill Elwood coordinates the NIH Office of Behavioral and Social Sciences Research (OBSSR) Opportunity Network (OppNet), a trans-NIH collaborative that develops funding opportunities on the underlying mechanisms and processes that inform health behaviors in emerging topic areas. Bill also initiated and manages the annual NIH Matilda White Riley Early Stage Investigator Honors competition and is OBSSR's subject matter expert on topics including:

- Biopsychosocial interactions and processes
- Mental and physical healthcare delivery
- Community-engaged and community-based participatory research (CBPR)
- Social connectedness and isolation
- Resilience

Prior to joining NIH, Bill led funded health research and evaluation projects throughout the US and Mexico. He is the author of four books and 42 peer-reviewed scientific publications. He has a Ph.D. from Purdue University and a M.A. from USF. Bill is a Sarasota High School alumnus.



**ALISON GAMMIE, Ph.D.**

**National Institute of General  
Medical Sciences**  
*Director, Division of Training,  
Workforce Development and  
Diversity*

Alison Gammie, Ph.D., is director of the Division of Training, Workforce Development, and Diversity, which supports the National Institute of General Medical Sciences' (NIGMS) research training, career development and diversity-building activities.

Prior to coming to NIGMS, she was a Senior Lecturer at Princeton University, where, in addition to teaching, mentoring and running a research laboratory, she served as an academic advisor, an Associate Member at the Cancer Institute of New Jersey, and the Director of Diversity Programs & Graduate Recruiting. Honors include Princeton's President's Award for Distinguished Teaching, the Graduate Mentoring Award and the American Society for Microbiology Hinton Award for advancing the research careers of under-represented minorities.



# KEYNOTE SPEAKERS



**STEVE MURAWSKI, Ph.D.**

**Center for Ocean Mapping and  
Innovative Technologies**  
*Director & Principal Investigator*

Dr. Murawski is a fisheries biologist and marine ecologist involved in understanding the impacts of human activities on the sustainability of ocean ecosystems. He has developed approaches for understanding the impacts of fishing on marine fish complexes exploited in mixed-species aggregations. Additionally, his work on impacts of marine protected areas and other management options has formed the scientific basis for resource management regulation both nationally and globally. Such assessments can help inform management regulations to rebuild animal populations from the effects of overexploitation, oil spills and other chemical contaminants, loss of juvenile nursery areas, nutrient enrichment, climate change and other stressors.

Dr. Murawski currently serves as Director and Principal Investigator for the Center for Ocean Mapping and Innovative Technologies (COMIT), a cooperative agreement between the NOAA Office of Coast Survey and USF to develop technologies to map undersea ocean and coastal regions. He was also Director of the Center for Integrated Analysis and Modeling of Gulf Ecosystems (C-IMAGE), which was funded by grants from the Gulf of Mexico Research Initiative to study effects of the 2010 Deepwater Horizon oil spill. His research interests are varied and center around the theme of acquiring actionable science that can influence public policy and help achieve sustainable marine ecosystems.

Dr. Murawski formerly served Chief Scientist of the National Marine Fisheries Service and has a long record of achievement in providing scientific information necessary for sustainable use of living marine resources. He is the recipient of the Department of Commerce Gold Medal, the Senior Executive Service Meritorious Rank Award, and is an elected Fellow of the American Association for the Advancement of Science.



**CHRISTINA PAYNE, Ph.D.**

**National Science Foundation**  
*Program Director, Engineering*

Dr. Christina (Christy) M. Payne is a program director in the Engineering Directorate's Division of Chemical, Bioengineering, Environmental, and Transport Systems at the National Science Foundation. She manages the Interfacial Engineering program and several sustainability-related solicitations, including one focused on advancing the knowledge and technologies necessary for chemical- and biological-based plastic recycling and product valorization. Christy is also an adjunct associate professor in the Department of Chemical and Materials Engineering at the University of Kentucky.

Christy received her BS and PhD in Chemical Engineering from Tennessee Technological University and Vanderbilt University, respectively. She subsequently worked as a chemical process engineer in the oil and gas and nuclear waste remediation industries, earning professional engineering licensure. Christy returned to academia holding positions as a postdoctoral researcher and staff scientist at the National Renewable Energy Laboratory and assistant professor at the University of Kentucky. She was also the August T. Larsson guest researcher at the Swedish University of Agricultural Science. After earning tenure, Christy joined the National Science Foundation in 2017 to pursue a career in research administration.

Her awards include the NSF CAREER award, the Presidential Early Career Award for Scientists and Engineers, the University of Kentucky's award for Excellence in Research, the Oak Ridge Associated Universities Ralph E. Powe Junior Faculty Award, and the August T. Larsson award. Her scientific contributions have been published in the Proceedings of the National Academy of Sciences, the Journal of the American Chemical Society, Chemical Reviews, and other peer-reviewed journals.

# KEYNOTE SPEAKERS



**DAVID SHIFLER, Ph.D.**

Office of Naval Research  
*S&T Program Officer*

Dr. Shifler has over 40 years of experience in the areas of materials and materials characterizations. He is currently S&T program officer in the Naval Materials Division of the Mission Capable, Persistent and Survivable Naval Platforms Department (Code 33) at the Office of Naval Research (ONR) in the areas of high temperature propulsion materials for aero and shipboard gas turbine engines and in cellular materials for blast mitigation and thermal management.

He is a NACE-certified Corrosion Specialist, a NACE-certified Materials/Design Specialist and a registered professional engineer (metallurgical engineering). He is a Fellow of NACE International, the Institute of Corrosion in the UK, and ASM International.

Dr. Shifler has edited several books and has authored numerous book chapters, papers, and government technical reports in the areas of non-aqueous, aqueous, and high temperature corrosion. He also belongs to numerous professional societies related to materials, materials characterization, corrosion, and electrochemistry of materials.



**RYAN TOOMEY, Ph.D.**

University of South Florida  
*Professor, Department of  
Chemical, Biological, and  
Materials Engineering*

Professor Ryan Toomey received his Bachelor's degree in Chemical Engineering from the University of California Berkeley in 1995 and his PhD in Chemical Engineering at the University of Minnesota in 2002 followed by a post-doctoral position at the Institute for Microsystems Technology (IMTEK) at the University of Freiburg.

Since 2005, he has been with the Department of Chemical, Biological, and Materials Engineering at the University of South Florida. His research is in thin film polymers, gels, and biorenewable materials, which has been continuously funded through a mix of funding from the NSF, industry, and the Florida High Tech Corridor. He is the recipient of a 2005 Camille and Henry Dreyfus New Faculty Award and a 2007 NSF CAREER Award.

To date, he has nine patents and numerous high impact journal publications. Dr. Toomey has served as a peer reviewer for the NSF, ACS Petroleum Fund, Oak Ridge National Laboratory Center for Nanophase Materials Science (CNMS), Los Alamos National Laboratory Neutron Science Center (LANSCE), and the Fundação para a Ciência e Tecnologia (Portugal).

# SUBJECT MATTER EXPERTS



**ERIC ALLEN**

**University of South Florida**  
*Associate Director, Research  
Integrity and Compliance*

Eric Allen serves as the Associate Director for Research Integrity and Compliance at the University of South Florida. Mr. Allen started his career as a Research Associate at North Carolina A&T State University. For over three years, he developed numerous compliance programs for the university, including IRB, IACUC, and IBC, and he managed pre and post award processes for various federal agencies.

Mr. Allen's career took him to the University of North Carolina at Greensboro, where he established the research ethics office and revitalized its compliance programs. Serving as the Director for the Office of Research Compliance, Mr. Allen functioned as the Research Integrity Officer (RIO) and the Institutional Official Designee. During his time at the university, he oversaw the IRB, the IACUC, and the IBC. He also created a training curriculum to satisfy both NIH and NSF Responsible Conduct of Research requirements. Later, with the HRP Consulting Group, Mr. Allen worked as a consultant in the global matters of program development, educational activities, accreditation prep, program evaluations and crisis management.

Mr. Allen's background in research ethics, as well as his expertise in handling compliance issues and serving as faculty for the Public Responsibility in Medicine and Research (PRIM&R), have given him a full career with a diverse portfolio. His work has ventured through various industries, such as animal research, biohazards, and human research. His core beliefs in ethics and equality allow him to see the world through a unique lens, applying his fair view to all forms of research compliance.



**DAVID CONRAD, Ph.D.**

**USF - Office of Research and  
Innovation**  
*Director, Technology  
Transfer Office*

Dr. David Conrad is Director of the University of South Florida's Technology Transfer Office, which manages the intellectual property created by USF students, faculty and staff and is a key driver in the university's standing as one of the nation's most inventive public research universities. Dr. Conrad recently joined USF after 15 years working in research and innovation in government, academia, and industry.

Dr. Conrad began his career at the U.S. Naval Research Laboratory's Center for Biomolecular Science and Engineering, where he developed and patented array-based sensors for biological warfare agents, drugs of abuse, and explosives. After transitioning to academia, he led economic development efforts at the University of Iowa and served as Associate Vice Chancellor for Technology Development and Executive Director of NUtech Ventures at the University of Nebraska-Lincoln. More recently, he served as Vice President of Research & Development at Streck, a medical device and molecular diagnostics company in Omaha.

He was a postdoc at Caltech after receiving a Ph.D. in Chemistry from the University of Illinois at Urbana-Champaign and a B.S. in Chemistry from the University of North Carolina at Chapel Hill. He also earned an Executive MBA from Duke University's Fuqua School of Business. His research focused on a fundamental understanding of long-range electron transfer in metalloproteins and the electroanalytical chemistry of biomolecules for sensor applications

# SUBJECT MATTER EXPERTS



**WENDY DUNCAN, RN**

University of South Florida  
*Quality Assurance / Quality  
Improvement Program Manager*

Ms. Wendy Duncan, RN, BSN, CIP, CCRA is currently Quality Assurance/Quality Improvement (QA/QI) Program Manager at the University of South Florida. This program with its staff manages research compliance at three campus sites in the Tampa Bay area and their affiliate sites, which includes Moffitt Cancer Center and Tampa General Hospital. She earned her BSN at Kent State University and is currently enrolled in the MPH program at USF.

She began her research career in 1998 when she was a clinical research nurse in an inpatient and outpatient setting. She continued this path with promotion to Director. Direct patient connection that juggled standard of care and clinical research continued throughout these 18 years. In 2015, she began her transition to compliance with a QA/QI position where she conducted site audits and/or monitoring of complex Physician initiated biomedical and social behavioral trials to simple undergraduate studies. Her department is an integral part of USF's ongoing AAHRPP accreditation process. This position offered opportunities to be a guest speaker for PhD program classrooms, university wide human subjects protection training and local ACRP chapter in-person and live webinar events.

She is the President of the ACRP Suncoast Chapter where she initiated monthly ACRP CE webinars to promote constant engagement among the chapter members. This action motivated her effort to try to unite the Florida chapters in an educational collaboration. Currently three Florida chapters work together on the monthly webinars and other chapter events.



**ANDREW FARMER, GPC**

University of South Florida  
Foundation  
*Director, Foundation Relations*

Andrew Farmer, GPC, has been with the University of South Florida Foundation since 2008. Originally joining the team as associate director of foundation relations, he has been director of foundation relations since December 2012.

Prior to USF, he worked in grants positions for arts and human services organizations. He received his BA from the University of South Florida, and in 2014 received the Grants Professional Certification from GPCI.

# SUBJECT MATTER EXPERTS



**TATYANA HARRIS, Ph.D.**

**University of South Florida**

*IRB Administrator /  
Education Coordinator*

Dr. Tatyana R. Harris is an Army Veteran with a passion for clinical academia and pharmaceutical research. After receiving her Bachelor of Science in Healthcare Management as well as her MBA in Healthcare Administration, she also obtained her Doctorate in Healthcare Administration. Originally from South Carolina, she relocated to Tampa, FL in 2017.

For the past 20+ years, Dr. Harris worked as a Clinical Researcher at Veterans Medical Affairs facilities, military bases and establishments, pharmaceutical research projects, and in private healthcare organizations. Currently, she is an IRB Administrator/Education Coordinator for USF and an Adjunct Health Science Faculty at a local Technical College.



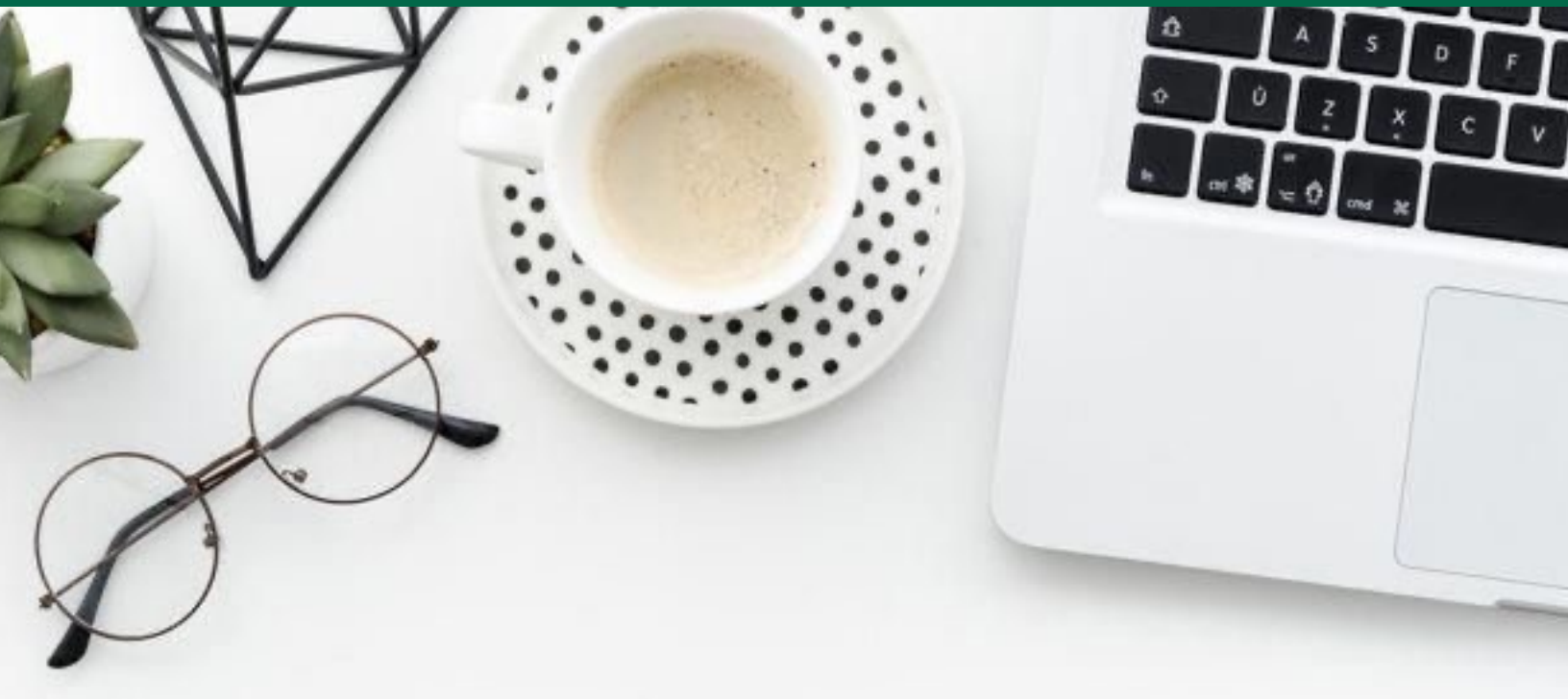
**KAYA VAN BEYENEN**

**University of South Florida**

*Assoc. Dean, Library Research &  
Instruction Nelson Poynter  
Memorial Library*

Kaya van Beynen is the Associate Dean of the USF Libraries Research & Instruction and for the Nelson Poynter Memorial Library at USF St Petersburg campus. She received a M.Sc. in library and information science from Simmons College, an M.A in Geography from McMaster University, and a B. A. in Anthropology from McGill University.

She has served as Chair of the Education & Behavioral Sciences Section (EBSS) of the Association of College & Research Libraries (ACRL), as well as the Evaluation Chair of the St. Petersburg Science Festival. She has published articles in College & Research Libraries, Journal of Academic Librarianship, International Journal of Science Education, Part B, and Social Studies and the Young Learner. In 2021, she was awarded the Association of College & Research Libraries (ACRL) EBSS Distinguished Education & Behavioral Sciences Librarian Award.



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