

**UNIVERSITY OF SOUTH FLORIDA
SENATE RESEARCH COUNCIL ROSTER (2020 - 2021)**

Terms begin and end at the beginning of Fall (i.e., the beginning of Fall 2020 to the beginning of Fall 2023)

Meetings held via Microsoft Teams or at USF Research & Innovation, Multi-Purpose Room
3702 Spectrum Blvd., Suite 165, Front Office: 813-974-5570

Contact information for Sponsored Research, Research Council Coordinator:

Alphabetical Order by College

	Member	College Represented	Term	Department	Phone	E-mail Address	Research/Specialization
1	Janelle Applequist, PhD Assistant Professor	College of Arts and Sciences (1)	2019-2022	The Zimmerman School of Advertising & Mass Communications	974-4662	applequist@usf.edu	As a researcher focused on health communication and advertising, Dr. Applequist is interested in the pharmaceutical industry, especially in regards to developing more normative frameworks to encourage proper patient education. Applequist's research explores the content of pharmaceutical advertisements, legal compliance with Food and Drug Administration (FDA) requirements, and issues of representation related to patients and health care in these advertisements. Other research interests include qualitative research methods, advertising, and patient representations via advertising.
2	Zachary Atlas, PhD Research Assistant Professor & Manager, USF Center for Geochemical Analysis	College of Arts and Sciences (2)	2019-2022	Geosciences	974-6419	zatlas@usf.edu	Volcanic geochemistry applied to pre-eruptive magma dynamics, the nature of subsurface storage of magma and subduction recycling of elements in volcanic systems. Plasma spectroscopy, which involves but not limited to forensic geochemistry and the trace element chemistry of the human body.

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3	Robert Tykot, PhD Professor	College of Arts and Sciences (3)	2019-2022	Anthropology	974-7279	ftykot@usf.edu	Research focuses on applying a range of scientific methods of analysis to archaeological materials, in prehistoric Europe and many other parts of the world. This includes including isotopic analyses of human remains to address dietary life history and mobility; trace element patterns in obsidian and ceramics to reconstruct long-distance trade networks; and major element composition of copper-based metals to examine the use of different alloys.
4	Marilyn Stern, PhD Professor	College of Behavioral & Community Sciences	2019-2022	Child and Family Studies	974-0966	mstern1@usf.edu	Primary research focus in pediatric, adolescent and young adult (AYA) psychosocial oncology, communication, and transition to survivorship; developing interventions to reduce childhood and adolescent obesity, and the vulnerable child syndrome.
5	Nathaniel von der Embse, PhD, NCSP Associate Professor	College of Education	2018-2021	School Psychology	974-5247	natev@usf.edu	Examination of teacher stress and student test anxiety surrounding high-stakes exams; The creation and validation of internalizing behavior and socio-emotional wellness screening assessments; and training of teachers and schools in population-based assessment methods to inform tiered and targeted intervention.
6	Yu Zhang, PhD Associate Professor Chair	College of Engineering	2018-2021	Civil and Environmental Engineering	974-5846	yuzhang@usf.edu	Transportation network modeling and optimization, emerging technologies and services in transportation, sustainable transportation, resilient infrastructure and emergency management.

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7	John H Adams, PhD, FAAAS, FASTMH, Distinguished University Professor	College of Public Health USF Health	2020-2022	USF Genomics Program and Center for Global Health Infectious Disease Research	974-9916	ja2@usf.edu	My main research interests are in malaria parasite biology and translational studies. Broadly, this research focuses on host-parasite interactions and processes critical for infection and pathogenesis to support discovery of new vaccines and drug treatments. The research is funded by competitive grants from NIH, BMGF and other NGOs.
8	Jennifer A. Bugos, PhD Associate Professor	College of The Arts	2018-2021	Center for Music Education Research	974-2311	bugosj@usf.edu	The neurological basis for music perception and cognition with regard to human development, lifespan learning, and cognitive transfer. Research includes examining the impact of music training on cognition in healthy and clinical populations.
9	Laura Redwine, PhD Associate Professor	Member-At-Large (1)	2018-2021	Rehabilitation and Mental Health Counseling	974-1827	lredwine@health.usf.edu	Study of relationships among psychosocial, behavioral and neuroimmune factors and cardiovascular disease; examining the effects of integrative modalities such as Tai Chi, meditation, and yoga in various chronic disease populations.
10	Ehsan Sheybani, MS, PhD Associate Professor	Member-At-Large (2)	2019-2022	Information Systems and Decision Science, Sarasota-Manatee Campus	941-359-4200	sheybani@sar.usf.edu	Applications of communication systems, signal processing, and artificial intelligence to big data, cybersecurity, biomedicine/bioengineering, space communications, oceanography, wireless communications, internet of things, and other physical sciences.
11	Jennifer Leiding, MD, FAAAAI Associate Professor	Morsani College of Medicine (1) USF Health	2017-2020 2020-2021	Pediatrics	727-553-1258	jleiding@health.usf.edu	Care of patients with primary immunodeficiency diseases and investigating the etiology of immunodysregulation in chronic granulomatous diseases and other disorders of innate immunity.

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12	Hua Pan, MBA, PhD Assistant Professor	Morsani College of Medicine (2) USF Health	2018-2021	Cardiovascular Sciences	974-9755	huapan@health.usf.edu	Understanding the mechanism of cancer-treatment related cardiotoxicity through integrated omics-based approach and validating nano-scale platform treatment strategies to mitigate cardiotoxicity for cancer patients and survivors.
13	Mark Witte, MD Assistant Professor	Morsani College of Medicine (3) USF Health	2018-2021	Otolaryngology	974-4683	mcwitte@health.usf.edu	Verrucous carcinoma of the larynx. Annals of Otology, Rhinology and Laryngology.
14	Karen Atwood, M.S. Biology Instructor	Sarasota-Manatee Campus	2019-2022	Biology	813-463- 0989	katwood@sar.usf.edu	Research Focuses on Harmful Algal Blooms (HABs) and includes the production of algal toxins by multiple species of phytoplankton found in Florida waters, specifically brevetoxins produced by Karen Brevis, the Florida Red Tide organism. Research Interests also includes the persistence of algal toxins in the environment and the impacts on fish, wildlife, and humans.
15	Diane Allen-Gipson, MS, PhD Associate Professor Chair-Elect	Taneja College of Pharmacy USF Health	2019-2022	Pharmaceutical Sciences	974-5699	dallengi@health.usf.edu	Mechanisms controlling repair of bronchial epithelium particularly, adenosine signal pathway and its role of epithelial injury in airway diseases associated with cigarette smoke and/or in combination with alcohol exposure. In addition to understanding the mechanisms involved in adenosine-mediated wound repair our lab has a growing interest in targeting efforts to reduce existing disparities in mortality rates particularly associated with smoke-related lung diseases and lung cancer for minorities including but not limited to Black and Hispanic population.

10/6/2020

EX-OFFICIO, NON-VOTING MEMBERS

1 TBN

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