

UNIVERSITY OF SOUTH FLORIDA
SENATE RESEARCH COUNCIL ROSTER (2022 - 2023)

Terms begin and end at the beginning of Fall (i.e., the beginning of Fall 2022 to the beginning of Fall 2025)

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 Research Council Coordinator:
 Judi Dorn, VP Research Office, 813-974-5122, judidorn@usf.edu

Alphabetical Order by College

	Member	College Represented	Term	Department	Phone	E-mail Address	Research/Specialization
1	Zachary Atlas, PhD Research Assistant Professor & Manager, USF Center for Geochemical Analysis, Vice-Chair	College of Arts and Sciences (1)	2019-2022 2022-2024	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.
2	TBN	College of Arts and Sciences (2)					
3	TBN	College of Arts and Sciences (3)					
4	Marilyn Stern, PhD, CRC Professor	College of Behavioral & Community Sciences	2019-2022 2022-2023	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	Elizabeth Hadley, PhD Assistant Professor	College of Education	2022-2025	Literary Studies	974-1644	hadleye@usf.edu	Research focuses on understanding the relationship between preschool oral language skills and later reading comprehension, as well as working with preschool teachers to foster academic vocabulary growth in children from under-served communities.

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6	David Simmons, PhD Associate Professor	College of Engineering	2022-2025	Chemical, Biological and Materials Engineering	974-4988	dssimmons@usf.edu	The Simmons research group combines computer simulation, machine learning, theory, and high-throughput experiments to understand and design next-generation advanced materials. Major research areas include the following: Glass-Forming Liquids; Dynamics and Mechanics in Nanostructured Materials and Near Interfaces; Sequence-Specific Polymers; and Mechanics of Filled Elastomers
7	Alastair Graham, PhD Associate Professor	College of Marine Science	2021-2024	Geological Oceanography	727-553- 3415	alastairg@usf.edu	Past changes in Earth's cryosphere, Geomorphological Processes in Sub-Ice and Open-Ocean Sea-Floor Environments, Antarctic Continental Margin Evolution, Sub-Antarctic Climate History.
8	Richard Heller, PhD, Professor	Member-At-Large (1)	2021-2024	Medical Engineering, Medical Microbiology and Immunology	974-3780	rheller@usf.edu	Developing and testing novel procedures using pulse electric fields for the delivery of plasmid DNA and cancer chemotherapeutics. The research has led to the development of new protocols or devices that are being tested for potential therapies for cancer, wound healing and vascular diseases (peripheral and coronary ischemia) as well as vaccine and immunotherapy protocols.
9	John H Adams, PhD, FAAAS, FASTMH, Distinguished University Professor, Chair	Member-At-Large (2)	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.

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10	Ganesh Halade, PhD Associate Professor	Morsani College of Medicine (1) USF Health	2022-2025	Internal Medicine and Cardiovascular Research	813-396- 0104	ghalade@usf.edu	Primary research focus is to understand how inflammation and immune responsive metabolic dysregulation contributes to ischemic and non-ischemic heart failure: 1) study of heart failure etiology with an integrative approach focusing on splenic leukocytes and heart; 2) measurement of inflammatory mediators that impair cardiac repair and resolving lipid mediators that facilitate cardiac repair after heart attack; 3) role of resolution receptor in inflammation-resolution processes in heart failure; and 4) translate our findings for use in human therapy, considering risk factors such as obesity, diabetes, aging, and cardiotoxic co-
11	Kristian Lynch, PhD, MSc Associate Professor	Morsani College of Medicine (2) USF Health	2021-2024	Health Informatics Institute	972-3854	lynchk@usf.edu	Primary research focus is in identifying environmental triggers of autoimmunity leading to celiac disease and type 1 diabetes among genetically at-risk children. Expertise in biostatistics and epidemiology with interest in study design of observational studies, disease heterogeneity, gene-environment interactions, causal inference and data integration.
12	Emily Shaffer-Hudkins, PhD NCSP Associate Professor	Morsani College of Medicine (3) USF Health	2021-2024	Pediatrics	974-7588	eshaffer@usf.edu	Dr. Shaffer-Hudkins' areas of research interest include parent-child interaction and attachment, supporting those with developmental disabilities and their families, particularly those with autism spectrum disorder, positive psychology and resilience, and training experiences for future professionals serving young children.

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13	Anol Bhattacharjee, PhD, MBA Professor	Muma College of Business	2022-2025	School of Information Systems and Management and the Exide Professor of Business Ethics	974-6760	abhata@usf.edu	Dr. Bhattacharjee's research focuses on a broad range of information systems topics related to healthcare informatics, algorithm biases, social media, and organizational innovations.
14	Ponrathi Athilingam, PhD Associate Professor	College of Nursing	2021-2024	College of Nursing	974-7526	athiling@usf.edu	Dr. Athilingam's research is focused on interventions for patients with heart failure and Chronic Obstructive Pulmonary Disease (COPD) to improve self-care practices, quality of life, and reduce admission rates.
15	Kelli Barr, PhD Associate Professor	College of Public Health USF Health	2022-2025	Center for Global Health Infectious Disease Research	974-4480	barrk@usf.edu	Dr. Barr's research is focused on epidemiology and pathogenesis of vector-borne and zoonotic viruses and the flaviviruses and alphaviruses, specifically on defining the epidemiology of arboviruses in respect to movement of humans and animal.
16	Taryn Sabia, M.Ed. Associate Professor of Research	College of The Arts	2022 - 2025	School of Architecture & Community Design	974-4042	tarynsabia@usf.edu	Her research is committed to the merging of design and civics, particularly related to transit modes and public space.
17	TBN	Judy Genshaft Honors College					
18	Karen Atwood, M.S. Biology Instructor	Sarasota-Manatee Campus	2019-2022 2023-2024	Biology	813-463- 0989	katwood@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.
19	TBN	St. Petersburg Campus					

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20	Feng Cheng, PhD Associate Professor	Taneja College of Pharmacy USF Health	2022-2025	Pharmaceutical Science	813-974- 4288	fcheng1@usf.edu	Research Focuses on the areas of drug discovery and development using computational methods (including molecular docking, pharmacophore mapping, and machine learning). More specifically, his lab uses genomic data and cheminformatics approaches to identify already approved drugs to treat a different disease (drug repurposing). Additionally, his lab uses genomic data and FDA Adverse Event Reporting System (FAERS) to investigate possible drug-drug interactions.
21	TBN	USF Libraries					

EX-OFFICIO, NON-VOTING MEMBERS

Revised 11/18/2022

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