

Faculty Member	Email Address	Department	Current Research Project(s):
Sarah Roe	roes1@southernct.edu	History	History of female medicine; indigenous perspectives/contributions to science; mechanistic explanations in Biology; conceptions of "species"; at-risk and vulnerable populations; commemoration after catastrophic events.
Stephen Axon	axons2@southernct.edu	Environment, Geography and Marine Sciences	Current research projects focus on the socio-cultural dimensions of sustainability including: (1) evaluating the role of public engagement and behavioural change interventions to facilitate sustainable living, often in community-based sustainability projects; (2) exploring how individuals from socio-economically deprived communities conceptualise and respond to environmental challenges while analysing the systemic inequities and unintended consequences of policy responses against vulnerable groups and how this manifests in justice dilemmas; and (3) studying how comprehensive environmental policy frameworks and inclusive governance structures can be implemented in sustainability transitions (e.g., offshore wind development) and the impacts this has on communities.
Julia Irwin	irwinj1@southernct.edu	Psychology	My work assesses the perception and production of auditory and audiovisual speech in typical and atypical language development, including autism spectrum disorders. I use technologies such as EEG/ERP paired with eye-tracking to extend the understanding of the neurobiological, physiological, and cognitive processes that underpin speech, language and literacy development in young children.
Troy Paddock	paddockt1@southernct.edu	History	Critique of Libertarianism
C. Patrick Heidkamp	heidkampc1@southernct.edu	EGMS	(1) Measuring & Mapping the Blue Economy, (2) Enacting Just Transitions in the Blue Economy through Transdisciplinary Action Research, (3) Geographies of Innovation in the Blue Economy, (4) GeoSpatial Sculpture
John T Nwangwu	Nwangwuj1@southernct.edu	Public Health	Infectious diseases and Epidemiology
Miranda Dunbar	DunbarM1@southernct.edu	Biology	I am a field biologist who works with mammals in the neotropical jungles of Belize. My current projects focus on physiological ecology of wild-caught neotropical bats.
Kristie Rupp	ruppk1@southernct.edu	Health & Movement Sciences	Mixed-methods project (questionnaire and focus groups) to determine the motivations of young women with obesity to change their health behaviors, the health outcomes they want to improve, and the characteristics they would prefer to see in a health behavior intervention. This study also explores experiences with weight bias and stigmatization.
Yulei Pang	pangy1@southernct.edu	Math	Machine learnings applications in Life cycle assessment
Aukje Lamonica	lamonicaa1@southernct.edu	Public Health	I am currently conducting a mixed method study with mothers of young children and pregnant women who use opioids. This is a longitudinal study focusing on barriers to services.
Carrie-Anne Sherwood	sherwoodc4@southernct.edu	Curriculum & Learning	Teacher noticing and planning for opportunities for K-12 students' equitable sensemaking in science
Elliott Horch	horche2@southernct.edu	Physics	High resolution imaging in astronomy, binary stars and their properties, building instruments and cameras for large telescopes, exoplanets.
Steven Brady	bradys4@southernct.edu	Biology (sigh)	Pollution effects on amphibian ecology and evolution (especially rapid evolutionary change)
C. Michele Thompson	thompsonc2@southernct.edu	History	History of Medicine in Southeast Asia, particularly traditional systems of medicine, also history of vaccination, environmental history of Southeast Asia
Rachel Jeffrey	jeffreyr1@southernct.edu	Biology	Neurobiology of learning and memory, effects of prenatal THC on brain development and behavior
Robert Prezant	prezant1@southernct.edu	Academic Affairs	Environmental and human induced (pollutants, warming, etc.) impact on behavior, shell formation (biomineralization), and reproductive capacity in marine, estuarine, and freshwater mollusks. Environmental impact of invasive bivalve mollusks (Asian clam and Zebra mussel). Impact of microplastics on marine and freshwater mollusks.
Kelly Stiver	stiverk1@southernct.edu	Psychology	I study cooperation among reproductive competitors in the ocellated wrasse (<i>Symphodus ocellatus</i>). In this species, three alternative male morphs compete to fertilize the eggs of females. Dominant nesting males are the only parental morph and are preferred by females. The most subordinate morph, sneakers, only engage in sneak-spawning (joining mating pairs and releasing sperm). The intermediate satellite morph sneak-spawns BUT also cooperates with the nesting male to chase sneakers and attract females, and as a result is tolerated by the nesting male to remain close to the nest. I examine how social environment, and individual morphology and physiology relate to variation in cooperation. I also examine alliance formation and behavioral factors predicting stability of cooperative alliances, and how risk-taking behavior varies with reproductive opportunity. I collaborate with researchers focusing on cognition and parental investment in this species. In addition to my work in fishes, I am collaborating with Dr. Bessenoff (PSY) to study the impact of partial and total anonymity on pro- and anti-social behavior in gaming, primarily online gaming. We are examining how gamers respond to different levels of anonymity and competition level by modifying their in-game behavior to be cooperative vs competitive. We also look at how partial anonymity can allow gamers to use anti-social acts to gain prestige with in-group members while protecting against consequences from out-group members.
Katherine Marsland	marslandk2@southernct.edu	Psychology	I am currently collaborating with Walter Stutzman on studies examining the effects of vagus stimulation music on concentration, stress management, emotions, and flow.
Lauren Tucker	tuckerl7@southernct.edu	Special Education	Accessibility and technology at a theater to increase access for all individuals - right now we are working with the Bushnell at their Sensory Friendly/Relaxed performances - we are creating resources and supporting patrons with a variety of needs while at the events. I am also working to create accessibility supports for their main offerings as well.

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Emma Cross	crosse2@southernct.edu	EGMS	Water quality and biodiversity impacts of different types of aquaculture in Martha's Vineyard and Iceland Long-term monitoring of biodiversity in New Haven Harbor Culturing seaweed under different future climate change scenarios Climate change mitigation strategies for the shellfish aquaculture industry
Andrew Smyth	smytha2@southernct.edu	English	Animal Studies in Culture and Literature; Intertextuality in Literature, particularly regarding Philip Pullman and Edmund Spenser; Nathaniel Hawthorne reception in China
Yan Liu	liuy1@southernct.edu	ILS	Digital Library of Virtual Laboratories
Miaowei Weng	wengm2@southernct.edu	WLL	Asian immigrants in Spain using art to construct their identity; Machine translation and other digital humanities projects
Cheryl Durwin	durwinc1@southernct.edu	Psychology	The SCSU Reading Evaluation And Development of Skills (R.E.A.D.S.) Lab is supervised collaboratively by researchers, Dr. Cheryl Durwin and Dr. Dina Moore. Our lab focuses on improving the reading skills of school-age children by evaluating children's skills using theory-based and research-based reading and language assessments and implementing theory-based interventions targeted to the particular reading difficulties of individual children. In short, we investigate the efficacy of assessments and interventions while providing a free service to schools by training and supervising undergraduate research assistants who work directly with children at school sites.
Jason Smith	smithj131@southernct.edu	History	Writing a cultural history of American navalism (1890-1916) and working on a journal article on early American nationalism at sea and in the Antarctic in the 1840s
Kelly Bordner	bordnerk2@southernct.edu	Psychology	Using rodent models to examine the behavioral and neural effects of prenatal THC exposure
Evan Finch	FinchL3@southernCT.edu	Physics	Data analysis from high-energy nuclear experiments at Brookhaven National Lab
Svenja Gusewski	gusewskis1@southernct.edu	CMD	1. Dual Language and Literacy Development. This project examines how different aspects of language develop in Spanish-English bilingual school-age children from preschool to 4th grade. 2. Culturally responsive assessment and treatment of communication disorders. These projects focus on least-biased assessment approaches such as language sampling analysis and methods to improve culturally sustaining practices such as using story books that represent children from diverse backgrounds. For more information, check out our lab's website: https://sites.google.com/view/lach-lab-scsu-cmd/home
Jean M. Breny	brenyj1@southernct.edu	Public Health	1) Using photovoice (qualitative) research with New Haven and Bridgeport residents to explore how the impact systemic racism had on them during COVID-19 pandemic, with an aim towards advocacy and policy change; 2) Using photovoice research to understand the challenges and potential opportunities for creating safe spaces on campus for breastfeeding students, faculty and staff; 3) (ongoing) Exploring sexual behaviors, relationship power, and equity among college students; across sexual orientations and gender identity.
Christine Unson	unsonc1@southernct.edu	Public Health	Caregiver burden, socialization to caregiving, work life extension, health disparities
Alison Wall	walla4@southernct.edu	Management/International Business	Common Method Variance, HRM topics, personality, social media
Meghan Barboza	barbozam3@southernct.edu	Biology	Mostly Histology/TEM/gross anatomy of various structures in marine mammals, mostly focused on chemosensory structures and specifically immune cells of the respiratory epithelium. Beginning a project using RNA extraction/transcriptome sequencing to identify receptors of interest.
Christopher J Budnick	BudnickC1@SouthernCT.edu	Psychology	Workplace stress, anxiety, and wellbeing. Cannabis use influences on employees and workplace functioning. Sleep influences on employee wellbeing, etc.
William Farley	farleyw1@southernct.edu	Anthropology	Archaeology of the Henry Whitfield House (colonial era house in Guilford) Stone tools from historical society collections in the region (looking at lithic technology dating back 12,000 years in the region) Research collaborations with local Cultural Resource Management firms on sites of many periods (paid internships potentially available) Archaeology of the West Rock Nature Center Site (approximately 5-6,000 year old site in New Haven) Collaboration with UCONN on an archaeobotany project (looking at Relict Charcoal Hearths, 19th century charcoal production centers in New England)
Marie McDaniel	mcdanielm4@southernct.edu	History	Historical research on ministers in the colonial period who were accused of "sexual indiscretions" with their parishioners.
Julian Smith	smithj181@southernct.edu	Communication Disorders	1) Reliability of tongue strength measurements; 2) Predictive value of oral perception on dysphagia; 3) Effect of side-lying position on swallow function for infants with clefts; 4) Role of SLP in management of Sjogren's disease; 4) Gender inclusive language in anatomy & physiology courses/textbooks
Laura Bower-Phipps	bowerl2@southernct.edu	Curriculum & Learning	I am doing action research on the development of a culture of practitioner research at a charter school. As part of this project, I work with teachers to conceptualize and implement teacher action research (TAR) within their classrooms. The methodology is qualitative and data sources include interviews, online discussion boards, and field notes.
Marian Evans	evansm7@southernct.edu	Public Health	Women's Health; BIPOC women in Academia; The scholarship of teaching and learning; Contraception; Maternal Health
Mikolaj Sulkowski	sulkowskim1@southernct.edu	Biology	Our lab investigates the genes that control how the brain develops and functions.
Christine Broadbridge	broadbridge@southernct.edu	Physics and CSCU Center for Nanotechnology	Interdisciplinary research using materials science and nanotechnology for innovations targeting problems associated with climate change, biotech and the future of computing. Grant funds teams of researchers including STEM and non-STEM majors that often engage with industry professional and researchers from other Universities (e.g., Yale). Information on how to apply on the STEM-RI and CSCU Center for Nanotechnology Websites.

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Jodie Gil	gij4@southernct.edu	Journalism	Researching how states treat disclosure of home addresses on public records (generally privacy and public records). Also actively reporting news stories (creative activity) for Connecticut audiences. (My answer below about working with students applies specifically to reporting projects, not my public records research).
James K. Kearns	Kearnsj3@southernct.edu	Chemistry	I currently work on projects focusing on the transfer of harmful metals into plants that provide food and a project that is centered around the isolation of antibiotics from insects.
Dr. William Lunn	lunw1@southernct.edu	Health and Movement Sciences/Exercise and Sport Science	Currently finishing a study on CBD supplementation effects on anxiety, pain/soreness, exercise capacity, and sleep quality. Starting a study on psychological wellness and physical readiness/injury risk in female student-athletes.
Kathleen Skoczen	skoczen1@southernct.edu	Anthropology	Human ecology, environment, the culture of solid waste management, plastics
ZHENI WANG	wangz5@southernct.edu	MGT/IB	Work motivation, leadership, HRM, cross-cultural management, entrepreneurship case studies
Suzanne Huminski	huminski1@southernct.edu	Office of Sustainability/ DRI/ Facilities	I am greatly interested in supporting faculty and student research opportunities via the sustainability office, campus facilities, projects, and resources, and my network regionally, locally, etc. Also interested in fostering interdisciplinary collaboration via sustainability. Possibilities include campus garden, food recovery, waste reduction, renewable energy, digital controls, energy and resource efficiency, climate resilience.
Heather Warner	wamerh2@southernct.edu	CMD	Swallowing disorders (dysphagia), communication deficits of neurological etiology, and learning outcomes of non-traditional educational opportunities.
Jennifer McCullagh	mccullaghj1@southernct.edu	Communication Disorders	Auditory processing in adults with neurological histories; Aging and auditory processing
Colleen Bielitz, PhD	bielitzc1@southernct.edu	Academic Affairs/STEM	Virtual and augmented reality
Jonathan Weinbaum	weinbaumj1@southernct.edu	Biology	I work broadly on the evolution of modern ecosystems with a focus on the Triassic Period. More specifically I am working on the ancestors of birds and crocodylians in order to understand how the features that define these groups were accumulated over millions of years along with geological changes on earth during that time. This includes studies on taphonomy (burial), functional morphology, anatomy and physiology and behavior of these extinct animals. I am currently working on interpreting the brain anatomy of an extinct crocodile ancestor based on endocast and 3D CT scan data. I typically conduct fieldwork in the summer in northeastern Arizona where I have a fossil locality, and then transport fossils collected back to my lab at Southern for preparation and curation.
Dana Casetti	casettid1@southernct.edu	Physics	I am studying motions of distant stellar systems using Hubble Space Telescope images.
Scott Graves	gravess1@southernct.edu	EGMS	µAS/drone mapping and other geomorphology studies of coastal environments
Andrew M. Richmond	richmonda1@southernct.edu	English	Exploring representations of the environment in medieval literature; using digital humanities tools in medieval ecocritical study
Louisa Foss-Kelly	fossll@southernct.edu	Counseling and School Psych	Counseling people living in poverty: Measuring impact of a model of counseling people living in poverty (I-CARE Model) on student learning in counselor education.
Michael Laughlin	laughlinm3@southernct.edu	Health and Movement Sciences	US national policy analysis on state-level definition, policy, communication, and implementation of adapted physical education