COLLABORATIVE COLLISION @FSU

Health 2021

Day 2: Social Health

Presentation Order

1. Lara Perez-Felkner
2. Derrick Stephens
3. Hongyuan Cao
4. Adam (Dr. B) Baptiste
5. Liz Hammock
6. April Lovett
7. Yi Luo
8. Blake Barton Renfro
9. Lichun Li
10. Laurelin Haas
11. Scott Pickett
12. Shuyuan Ho
13. Alexandra "Xan" Nowakowski
14. Laura McTighe
15. Jamil Drake

16. Sabrina Dickey
17. Krissy Capitano
18. Melissa Radey
19. Joseph Schwartz
20. Stephen Quintero
21. Tingting Zhao
22. Laurie Abbott
23. Miles Taylor
24. Patrick Merle
25. Patricia Born
26. Frankie Wong
27. Fengfeng Ke
28. Zhe He
29. Beth Hodges

Lara Perez-Felkner

Associate Professor of Higher Education
lperezfelkner@fsu.edu
https://orcid.org/0000-0002-3451-8524

My Interest in Health

Looking for funding/collaboration:

- Inequality in H.S. & College Students' Pathways Socioeconomic, Educational, and Health Outcomes

- Specifically: (1) Food, Housing, and Other Basic Needs Insecurity and (2) Mental Health, including Stress, Anxiety, Depression

Gender and Racial/Ethnic Disparities in STEM Postsecondary Experiences, Outcomes, and Careers for Students & Faculty

Research and Projects

RESET – Research on Equity in Science, Engineering, and Technology projects focus on how ability beliefs, active learning, mentoring and research opportunities, and supportive social contexts influence persistence toward STEM research careers, with a focus on broadening participation in science, engineering, and technology in higher education and postsecondary careers.

HEPP – Higher Education Persistence Pathways initiatives investigate the structures and supports which can foster postsecondary student success among underrepresented students, especially women, Black and Latino students, and low-income students who may also be the first-generation in their family to go to college. This research draws on sociological and life course frameworks to understand constraints and opportunities which can contribute to longer-term outcomes.

See also: https://perezfelkner.com/

Expertise/Interests

- Race-, class- and gender-based disparities in pathways to postsecondary education and careers

- Gender inequality in STEM

- Sociology of education, Human Development

- Experimental, survey, and mixed methods study design

How I Can Help You

- RCT experiments, mixed methods integration, and/or surveys

- Evaluation and educational research partnership on equity- and opportunity-expansion projects

- Collaborative interdisciplinary analysis & writing

How You Can Help Me

- Collaborate on research projects using experiments and surveys, and as a qualitative partner for mixed methods research

- Interdisciplinary partnerships around high school, community college, and community partner interventions

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All Research Profiles Available at:
research.fsu.edu/Collaborative Collision

Up Next: Derrick Stephens

Derrick Stephens, MBA, LCSW

Center for Behavioral Health Integration
Research Faculty
dstephens@fsu.edu

https://www.linkedin.com/in/derrick-stephens-mba-lcsw-77427628/

My Interest in Health

- Exploring ways brain science, innovation and technology can significantly impact the physical, mental and social-emotional health of youth that have experienced significant trauma and stress.

- Connect with other individuals at FSU that are interested in prevention and resiliency to combat the negative effects of Adverse Childhood Experiences

- Mental Health and Substance Abuse Disorder

- Connecting with teams and individuals currently working with virtual and augmented reality.

- Identify and build a collaborative research team to identify and compete for state, federal and foundation funding.
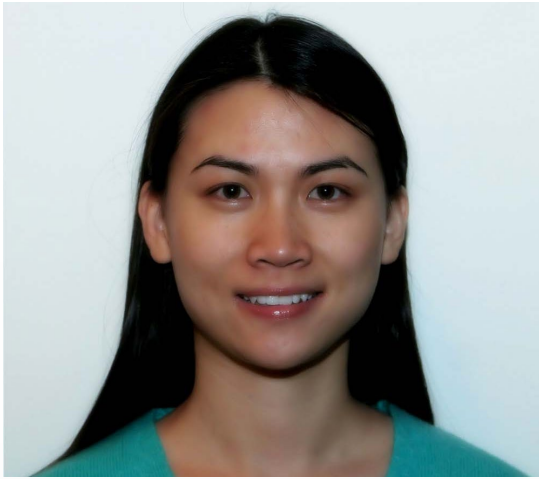
Research and Projects

Principal Investigator for DCF Central Region offering behavioral health training, consulting and executive coaching through sponsored projects.

Robert Wood Johnson Foundation Clinical Scholar:
Project Director for Underdog Dream: Improving Long-Term Quality of Life Outcomes for Florida's Foster Youth and Families.

Recent Proposals/Publications:

- Florida Department of Children's and Families 2019/2020 Gap Analysis Report

- Toolkit for Improving Long-term Quality of Life Outcomes for Foster Youth and Families

Expertise/Interests

- Foster Care / Child Welfare

- Health Care / Mental Health

- Substance Use Disorder

- Long-Term Care /Residential

- Entrepreneurship

- Leadership Development

- Virtual / Augmented Reality & AI

How I Can Help You

- Access to Lived and Living Experience Children, Families and Child Welfare Workers, Substance Abuse Disorder

- Program Development and Implementation – Futuring / Visioning /

- Team Development – How to work with people

- 10+ Sales and contract negotiation (medical device, telemedicine, healthcare)

- Previously Funded by Robert Wood Johnson Foundation

- Coaching and Mentoring

How You Can Help Me

- Open to brainstorming potential research collaboration opportunities.

- Assistance with connecting with faculty and staff working with virtual/augmented reality and AI… Foster Care / Child Welfare…..Trauma, Stress

- Publishing

- Apply for a grant

- Publishing

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Up Next:

My Interest in Health

- I have consulted and collaborated extensively with epidemiologist and clinicians on study design, statistical modeling, data analysis, manuscript preparation and grant proposal writing.

- The disease outcomes I have been working on include breast cancer, head and neck cancer, urothelial cancer, cardiovascular disease, and kidney disease, among others.

- I am particularly interested in Alzheimer's disease, dementia and psychiatric disorders.

Research and Projects

- Study clinical risk factors that affect the duration of hospital study for COVID19 patients

- Longitudinal biomarkers analysis in HIV/AIDS study

- Integrative analysis of multiple omics data to improve detection accuracy in genome wide association studies

- Identify micro-RNA that can differentiate expressed genes between ovarian cancer and endometrial cancer

- Experimental design for causal inference analysis with time to event outcome

- Statistical design and sample size calculation for dose response analysis in toxicology

Hongyuan Cao

Associate Professor of Statistics
hcao@fsu.edu
orcid.org/0000-0001-5752-732X

Expertise/Interests

- Longitudinal data analysis
- Survival analysis
- High throughput biological data analysis in genetics
- Causal inference

How I Can Help You

- Interdisciplinary approach to scientific problems
- Statistical modeling
- Data analysis
- Treatment effect estimation
- Apply state-of-the-art statistical methods to applied problems

How You Can Help Me

- Access to populations/dataset
- Domain knowledge of the scientific problem
- Different perspectives on the problem
- Explore challenges in the field

COLLABORATIVE COLLISION @FSU

Adam Baptiste M.D.

Department of Behavioral Sciences & Social Medicine FSUCOM
Adam.Baptiste@med.fsu.edu

My Interest in Health

- Psychological/social interventions for depression in women around the time of childbearing; substance use disorders; maternal-child mental health

- Rooted in justice and equity, my interest in health is aimed at correcting disparities for the groups that experience them greatest

- My efforts are for the work I engage to contribute to policy change not only locally, but also at state, national, and international levels

- Viewing health as the true wealth of life

Research and Projects

https://flbhimpact.org/

- Funded by HRSA The Florida BH IMPACT Program is an innovative initiative by the Florida Department of Health (DOH), the Florida State University (FSU) College of Medicine and the Florida Maternal Mental Health Collaborative (FLMMHC). The program aims to promote maternal and child health by building the capacity of health care providers to address these critical issues through professional development, expert consultation and support, and dissemination of best practices. The program also supports expanded screening for: depression, anxiety, and substance use; and access to needed services for prenatal, pregnant, and postpartum women.

Website Screenshot

Expertise/Interests

- Physician | Researcher | Coordinator

- Perinatal Mental Health

- Pediatric Behavioral Health
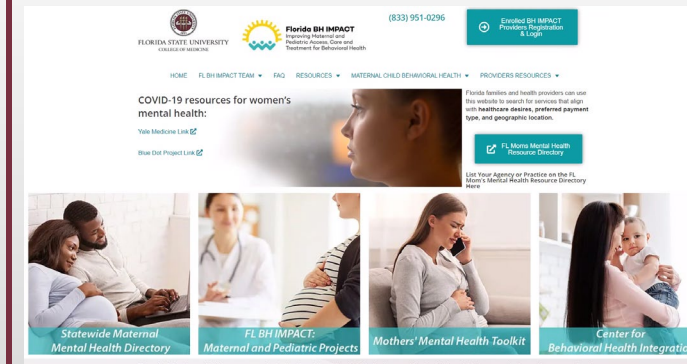
- Perinatal Health Equity

How I Can Help You

- CEU/CME event that can be educational or instructional on various topics i.e. Motivational Interviewing, IPT, Pediatric Anxiety, Substance Use Disorder, etc.

- Research experience in Health Literacy, Perinatal Mental Health, and Pediatric Behavioral Health

How You Can Help Me

- Collaborate on community initiatives to address Pediatric Behavioral Health & Maternal Mental Health

- Share awareness/advertise our program to providers and patients

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All Research Profiles Available at:
research.fsu.edu/Collaborative Collision

Up Next: Liz Hammock

Liz Hammock, PhD

Department of Psychology
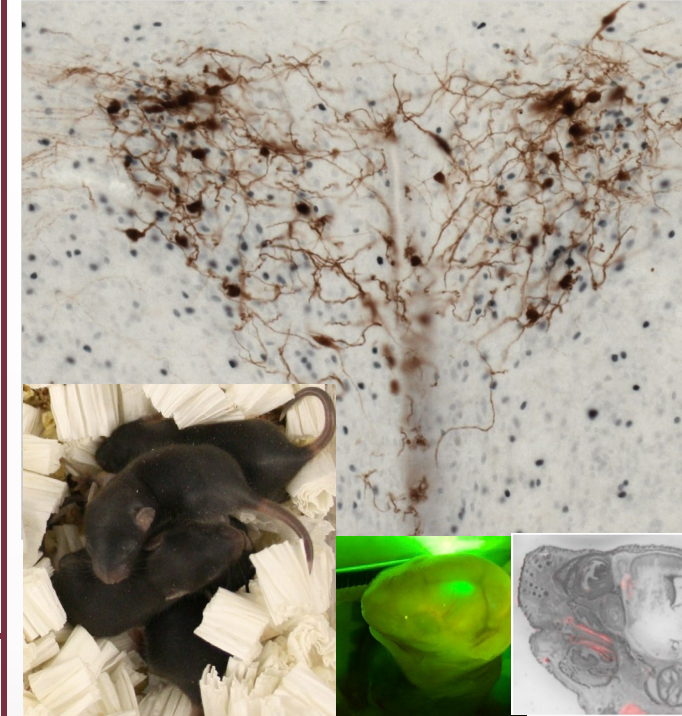Program in Neuroscience
🐦 @HammockNeuroLab
orcid.org/0000-0001-7668-745X

My Interest in Health

- Collaborate with other researchers to investigate mechanisms of social determinants of health

  - Affective touch

  - Kangaroo Care in premature infants

  - Neuroendocrine profiles during sleep (lifespan)

  - Foster care

Research and Projects

Current research:
- Neural mechanisms of infant attachment- NIMH R01
- Neurobiology of experience-dependent development of social-emotional behavior (especially neglect, attachment, socialization, sleep)

Expertise/Interests

- Brain and Behavior Development

- Oxytocin/vasopressin

- Nature x Nurture

- Attachment and Social behavior

How I Can Help You

- Hypothesis testing of causal mechanisms in animal models

- Molecular genetics

- Neuroendocrine assays

- Grant writing in area

How You Can Help Me

- Collaborative projects on shared interests

- Looking for collaborators who work with human subjects in these areas:

  - Sleep

  - Neonatology

  - Foster care

April Lovett

Health Data Sciences Initiative
FSU Libraries – Health Data Programs
april.Lovett@fsu.edu

My Interest in Health

- Working with the FSU team to establish the Health Data Sciences Initiative: healthdata.fsu.edu

- Learning about various health research happening at FSU and the resources and support needed

- Learning how to support big health data and streaming health data

- Learning principles of data harmonization in order to create consistency in variables across disparate data sets

Research and Projects

HEALTH DATA AT FLORIDA STATE

FSU is taking bold steps to establish and grow Big Data expertise and capacity in the biological, social, and health sciences. This site is dedicated to that effort.

What are the health research resources/support you need and want?

Research Data Services

FSU Libraries provides research data services to support and collaborate with scholars in areas related to **data analysis & visualization, digital humanities, GIS, and research data management**. Need help finding a dataset? Want help making a map or creating a data visualization? Need to create a data management plan and don't know where to start? We're here to help!

Expertise/Interests

- Project Management/Organization

- General/Business Data Analysis & Data Reporting

- Data Visualization: Power BI

How I Can Help You

- Connect you to existing research and data management/data literacy programs

- Understand research resources & support needed and take them back to larger decision-making groups

How You Can Help Me

- As a research stakeholder, help me understand the resources and support you need to successfully work with health data (both small and large) at FSU.

- Alert me of resources/support you are currently outsourcing as part of your research projects/grant-mandates.

- Data Skills Acquisition

- Data Management Consultations

- Databases

- Publication Information/Assistance
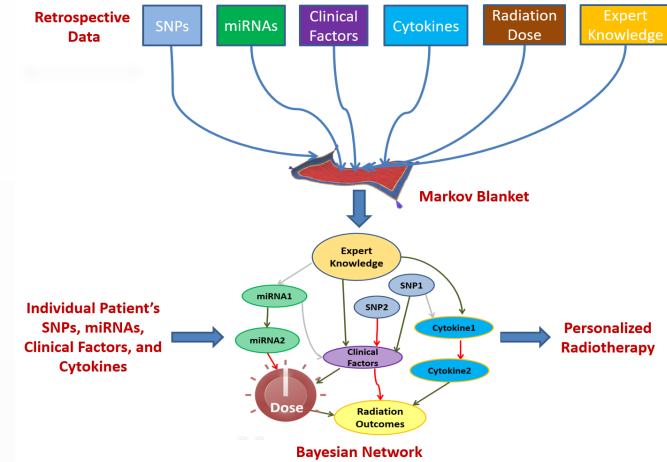
- Data Privacy & Copyright

Yi Luo

Department of Behavioral Sciences and Social Medicine
yLuo6@fsu.edu
orcid.org/0000-0003-2519-5900

My Interest in Health

- Develop a human-machine interaction system, called doctor-in-the-loop, to bridge physicians and artificial intelligence (AI)/machine learning (ML) technologies for clinical decision support and health service research.

- Explore biophysical pathways among patients' characteristics, prevention/treatment strategies and potential outcomes based on physicians' knowledge.

- Conduct what-if analysis and causal inference to maximize disease control and reduce its associated complications.

- Identify why, when and how to use prevention/treatment strategies based on patients' properties and responses.

Research and Projects

A combined expert knowledge and Bayesian network approach for personalized adaptive radiotherapy

Contribution analysis of tumor biology and healthcare factors to the racial disparities in breast cancer stage-at-diagnosis and overall survival based on the SEER-Medicare database
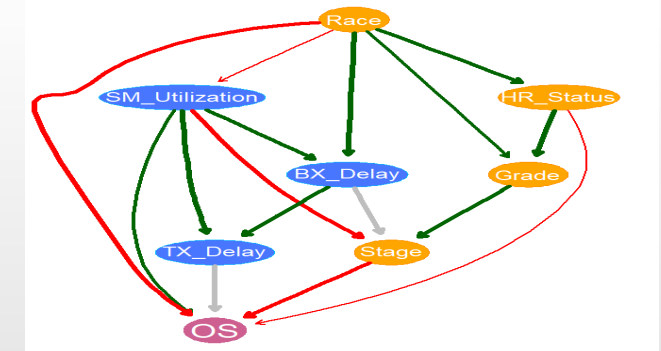
Expertise/Interests

- Trustworthy AI/ML
- Decision-making under uncertainty
- Outcome prediction and clinical decision support
- Personalized adaptive treatment

How I Can Help You

- Human-machine interactions based on probabilistic graphical models

- Systems thinking and control

- Data analytics and causal inference

- Data management and scientific programming (R, SAS, MATLAB, Python, etc.)

How You Can Help Me

- Explore challenging problems in clinical decision-making and public health services

- Access to large biomedical datasets

- Interdisciplinary approach

- Research collaboration

Blake Barton Renfro

Director of Business Development, FSU College of Business
(brenfro@business.fsu.edu)

My Interest in Health

- Connecting broadly with FSU faculty and practitioners across healthcare disciplines

- Building a robust university-based competency in the "business of healthcare"

- Exploring opportunities to bring together higher education, the private sector and state government to address salient healthcare challenges and opportunities

Research and Projects

I am partnering with the Florida Hospital Association to deliver the *FSU Business of Healthcare Leadership Academy*, a 9-month executive education program designed to elevate strategic enterprise-level leaders in clinical and administrative roles.

- Inaugural class of 30 healthcare executives to begin in fall 2021 (tentatively)

- Program facilitated by FSU faculty, with guest speakers from industry and state government

- Curriculum highlights include:

- Leadership competency framework

- 360-degree assessment of healthcare sector

- Role of private capital, equity, venture capital in healthcare

- Patient loyalty and consumer behaviors

- Emerging technologies disrupting healthcare (AI, Quantum Computing, Internet of Things, etc)
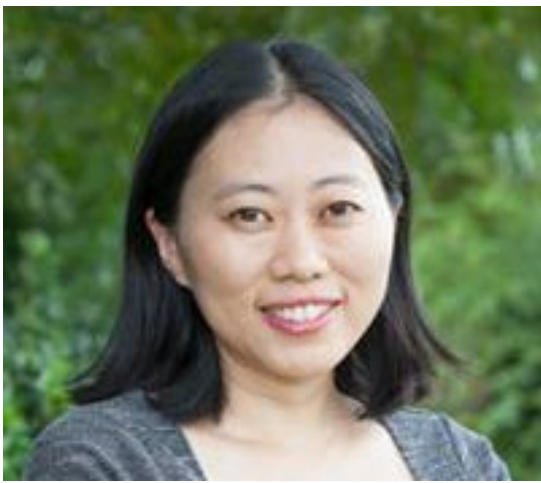
Expertise/Interests

- Executive Education

- Corporate/Industry Engagement

- Applied Research

- Talent Development

How I Can Help You

- Proposal development

- Connecting to industry executives

- Talent capability gap assessment

- Curriculum design and development

How You Can Help Me

- Connect me to other healthcare researchers or related initiatives at FSU

- Emerging technologies transforming healthcare

- Adjacent industry best practices

- Current university & healthcare industry partnerships

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All Research Profiles Available at:
research.fsu.edu/Collaborative Collision

Up Next: Lichun Li

Lichun Li

Industrial and Manufacturing Engineering
lichunli@eng.famu.fsu.edu
https://orcid.org/0000-0002-6698-4271

My Interest in Health

- Health systems that evolve over time with fully or partially known rules

- Predict long term behavior based on short term observation if the dominant rule is similar.

- Predict behavior under never-seen concisions based on previous observation if the dominant rule is similar

- Predict system behavior when new conditioning factors begin to influence the system.

Research and Projects

- Fast prediction of Navier-Stokes equation with only initial/boundary condition and 1% of data of the first 10 seconds
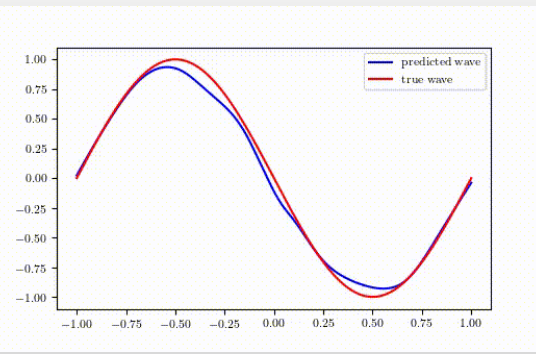

Expertise/Interests

- Artificial Intelligence in dynamic systems

- Dynamic system modeling and control

- Dynamic games

- Discrete event systems

How I Can Help You

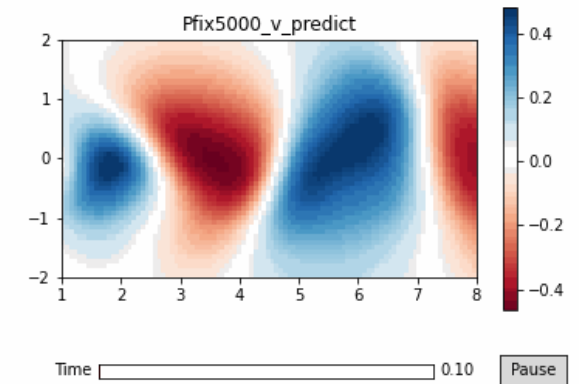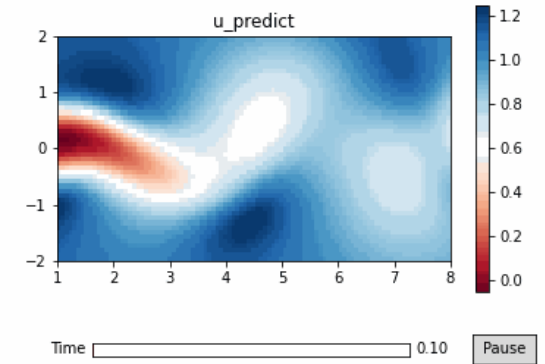- Provide time dependent simulation like below.

How You Can Help Me

- You precious data and deep understanding about the climate topic can help us refine our idea about physics informed deep learning method.

Laurelin Haas

Academics & Partnerships Coordinator
Sustainable Campus
lhaas@fsu.edu | 850-645-7818

My Interest in Health

- Deepening the understanding of sustainability as an intersectional issue that connects humans with their environment.

- Exploring environmental impacts on health outcomes through the lens of environmental justice.

- Connecting with individuals and teams working on research at the intersection of the environment and health.

- Connecting with other offices at FSU engaged in programming related to the environment and health.

Research and Projects

I manage the **Green Fund** program at FSU, which provides small grants to FSU students, staff, and faculty pursuing sustainability projects that benefit the FSU community.

I connect faculty with campus and community partners through **Campus as a Living Lab** for applied sustainability research projects.

Recent Collaborations:
- Dr. Jaejin Lee and FSU Food for Thought Food Pantry
- Dr. Tisha Holmes and St. Marks Wildlife Refuge
- Dr. Will Butler and Second Harvest of the Big Bend

Expertise/Interests

- Sustainability and social justice
- Campus-Community Partnerships
- Small grant funding

How I Can Help You

- Grant funding for projects that explore intersections of health and environment
- Connection to local nonprofit and government organizations
- Connection to FSU Facilities department

How You Can Help Me

- Share details of your work for STARS reporting
- Provide expertise in sustainability dialogues
- Join our network of sustainability faculty & researchers
- Allow me to help you!

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Scott M. Pickett

Behavioral Sciences and Social Medicine
Center for Translational Behavioral
Science
scott.pickett@med.fsu.edu

My Interest in Health

- Mental health outcomes associated with trauma-related sleep disruption

- Stress, traumatic stress, and sleep disruption as a risk factors for obesity risk

- Adaptive emotion regulation as a protective factor for mental and physical health

- Mindfulness- and skills-based interventions for cultivating adaptive emotion regulation

- Improving accessibility and acceptability of interventions

- Adapting interventions for specific populations

Research and Projects

Ongoing:

- Project SOLAR – evaluate a community delivered intervention for natural disaster trauma

- Project BioSleep – pilot study to examine neuroendocrine profiles associated with various sleep patterns

- Sleep + – pilot study to evaluate a brief, online mindfulness intervention to reduce stress and improve sleep

Future:

- Examine race-related stress/trauma and the impact on sleep disruption and physical health outcomes

- Adapt SOLAR for other community-based trauma (i.e., COVID, race- and gender identity- related traumas)

Expertise/Interests

Psychological Trauma

Sleep disruption

Emotion regulation

Mindfulness

Obesity risk

How I Can Help You

- Mixed-methods design

- Clinical trials experience

- Training in psychotherapy interventions for trauma exposure and traumatic stress

- Psychological trauma, sleep, and emotion regulation expertise

How You Can Help Me

- Innovative methods/designs for naturalistic, observational studies

- Integration of mixed-methods into research designs

- Panhandle community connections

- Expertise in other types of stressful and traumatic events

Shuyuan Mary Ho

School of Information
smho@fsu.edu
orcid.org/0000-0002-4790-1821

My Interest in Health

o Social health impacts mental as well as physical health.

o The interrelatedness of social and technological aspects of social health requires a multi-layered approach to investigating the problems which eventually impact the stability and safety of society.

o I am a behavioral scientist designing experiments for <u>trusted interpersonal and group interaction</u> research.

o Interested in meeting with potential collaborators to explore interdisciplinary research and solutions that are mediated by technology so we can uncover nuances and approaches to address the identified problems in social health.
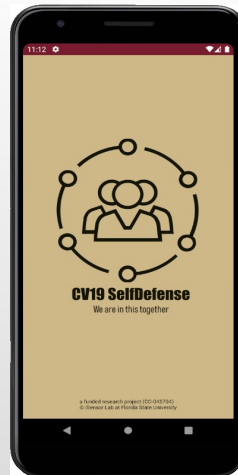
Research and Projects

I founded the iSensor Lab in 2010 to conduct sociotechnical research related to human factors in cyberspace. Experiments are conducted in live and virtual environments using online games. Research data is collected through confined resources. Real-world problems are simulated through interactive scenarios. Problems are conceptualized and theorized through innovative technology design and development.

Recent works:

o **CV19 Self Defense**: **Situational Awareness in a Pandemic through mHealth Intervention**

iSensor Lab:

https://isensoranalytics.com

Expertise/Interests

o Societal issues e.g., trust, disinformation, public health, ethics, privacy, social cybersecurity, impacts on society

o Trusted human computer interaction

o Gamification design

o Behavioral experiments

How I Can Help You

o Scenario-based behavioral experiment design

o User-centered interactive system design

o Behavioral computational modeling based on social factors and predictor variables

o Social media research

How You Can Help Me

o Your biggest problems

o Access to big datasets and government authorities

o Machine learning, artificial intelligence

o Statistical analysis and modeling

o Coding and programming

Xan Nowakowski

Medicine - Geriatrics / Behavioral Sciences
xnowakowski@fsu.edu
orcid.org/0000-0002-9072-2482

My Interest in Health

- Collaborating in supportive interprofessional teams with colleagues of diverse backgrounds and lived experiences.

- Amplifying and centering the voices of marginalized people and communities in health care delivery and assessment.

- Learning from and sharing with colleagues helping to lead interdisciplinary health equity work in their own units.

- Creating meaningful and appropriately resourced advancement opportunities for health equity professionals.

- Mentoring and serving as a role model for fellow LGBTQIA+, ethnic minority, and chronically ill sociomedical scholars.

Research and Projects

I serve as the evaluator for both the REACH geriatrics workforce enhancement program and the Florida Asthma Program/Coalition.

I lead qualitative and mixed methods research for the ACTS2 dementia caregiver program and various other interdisciplinary health projects.

I serve as Vice Chair of the Council on Diversity and Inclusion at FSU College of Medicine.

I edit the *Health and Aging in the Margins* book series with Rowman & Littlefield.

Expertise/Interests

- Chronic Disease
- Aging
- LGBTQIA+ Health
- Program Evaluation
- Community Engagement
- Trauma Informed Care

How I Can Help You

- Methodological consultation for specific content areas and participant populations
- Health services evaluation planning & practice guidance
- Networking and development centering URM health scholars
- Help engaging and supporting patients in research/evaluation

How You Can Help Me

- Help build community partnerships for health equity
- Connect ourselves with new mentees of similar experience
- Approach me about publishing your work—see info at right
- Always offer a virtual participation option—I am at an RC and have cystic fibrosis!

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Laura McTighe

Assistant Professor
Religion Department
lmctighe@fsu.edu

My Interest in Health

- Understanding the significance of Black religion(s) in public health in the American South

- Exploring a variety of black religious and political groups involved in organizing and institution-building for the sake of challenging the racial disparities in past and present public health and state policies.

- Identifying how religion contributed and contributes to racial inequality in public health in American history.

Research and Projects

The Callie House Project,
with Jamil Drake

The Callie House Project seeks to developed a "living archive" of past and present networks of Black religious and health activists in the American south. Additionally, the living archive will document the religious-based programs and politics designed by state bureaus that contributed to the racial disparities in past and present state/public health.

Expertise/Interests

- North American Religions

- Critical Prison Studies

- Social Movements

- Qualitative Research Methods

How I Can Help You

- Collaborative and Experimental Ethnographic Research Methods

- Critical Scholarship and Practice on Abolition in the American South

- Community-Based Participatory Research on Health and Criminalization

How You Can Help Me

- Organizing digital programs for interviewing and recording local histories

- Web design for a digital public archive

- Creating a database with our partners for the digital/public archival project.

COLLABORATIVE COLLISION @FSU

Jamil Drake

Assistant Professor
Religion Department
jdrake@fsu.edu

My Interest in Health

- Understanding the significance of Black religion(s) in public health in the American South

- Exploring a variety of black religious and political groups involved in organizing and institution-building for the sake of challenging the racial disparities in past and present public health and state policies.

- Identifying how religion contributed and contributes to racial inequality in public health in American history.

Research and Projects

The Callie House Project w/ Laura McTighe

The Callie House Project seeks to developed a "living archive" of past and present networks of Black religious and health activists in the American south. Additionally, the living archive will document the religious-based programs and politics designed by state bureaus that contributed to the racial disparities in past and present state/public health.

Expertise/Interests

- American Religious History and Culture

- African-American Religious History and Culture

- African-American Intellectual Traditions

- History of Science

How I Can Help You

- Archival Research

- Knowledge about the Intersections of race, religion, science in American history

- Knowledge about the role of health in the ""Long Civil Rights Movement"

How You Can Help Me

- Organizing digital programs for interviewing and recording local histories

- Web design for a digital public archive

- Creating a database with our partners for the digital/public archival project.

COLLABORATIVE COLLISION @FSU

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Up Next: Scott-King and Dickey

Geneva Scott-King
DNP-MSN-FNP-C
and Sabrina L. Dickey PhD, MSN,RN

Specialized Faculty II, Assistant Professor

My Interest in Health

- Cancer Health Disparity Research among Underserved Populations.

- Intersectionality of Family Relations, Screenings, and Healthy Behaviors.

- Exploring the relation of health communication within families and their health care utilization.

- Collaborating with interdisciplinary researchers to examine cultural implications on health care access and utilization among marginalized populations.

Research and Projects

- Examination of COVID-19 vaccination among underserved populations.

- Project that examines Florida healthcare providers' perception of social support provided to patients and college students' utilization of health care services.

- Collaboration with Bond Community Health Center to assess colorectal cancer screening with the outcome of developing a communication toolkit to increase colorectal cancer screening.

Expertise/Interests

- Family Nurse Practitioner certified > 18 years

- Registered Nurse > 25 years

- Women and College Health issues

- Instrument development

How I Can Help You

- Clinical skills as a family nurse practitioner.

- Clinical skills as a registered nurse.

- History of collaborations with community clinics and community health experience.

- Mixed methods research

- Experience with instrument development

How You Can Help Me

- Interdisciplinary methodologies and designs.

- Interventions for working with underrepresented groups.

- New collaborations with organizations in the community.

- Access to data sets.

COLLABORATIVE COLLISION @FSU

Krissy Capitano, RN, BSN
Clinical Research Navigator
Office for Clinical Research
Advancement (OCRA)

How OCRA Can Help

- OCRA provides services to all FSU researchers conducting human subjects research
- Contact OCRA for one-on-one research consultations
  https://ocra.fsu.edu/consultations/
- Assist with study design/development pre-IRB submission to help address potential regulatory/compliance concerns like the approach, interventions, use of regulated products, statistical methods, design issues, record-keeping, required reporting or recruiting/consenting subjects.
- Assist FSU researchers to identify clinical collaborators and community research resources
- Provide informational workshops, seminars and other knowledge-building opportunities

Marissa Ciesla, Ph.D.

TMH/FSU Research Coordinator

- TMH and FSU have partnered up to facilitate research collaborations!

- Interested in collaborating with TMH? Contact OCRA: ocra@fsu.edu

- Assistance in identifying TMH clinical collaborators, resources, participant recruitment, and navigating the TMH IRB process.

WHO CAN COLLABORATE?

- Faculty, Staff, Post-Doctoral Fellows & Medical Residents

- Graduate, Medical, & Undergraduate Students

Expertise/Interests

- Clinical Research
- Clinical Trials
- Community Engagement
- Community Collaborators

TMH Clinical Areas Active in Research

- Cardiology
- Metabolics
- Neurology
- Oncology
- Internal Medicine
- Surgery

Active FSU/TMH Research Collaborations

- College of Medicine
- Internal Medicine & General Surgery Residencies
- College of Nursing
- College of Human Sciences
- College of Business

COLLABORATIVE COLLISION @FSU

Up Next: Melissa Radey

Melissa Radey

Professor of Social Work
https://orcid.org/0000-0002-9058-0349

My Interest in Health

Low-income families

- Role of public benefits and informal support systems for the health of low-income families

- COVID-19 impact for low-income families' health and health care

Child Welfare Workforce

- Role of organizational support for worker health

- Role of occupational violence for worker health

Research and Projects

- Finishing NICHD R03 project (PI) examining the role of informal support on maternal and child health

- Analyzing qualitative data collected during Summer 2020 examining role of COVID-19 in the lives of low-income single mothers

- Preparing application examining role of client violence for child welfare workers' physical and psychological health

- Preparing application examining the role of public and private safety nets for health in low-income families

Expertise/Interests

- Poverty

- Role of public and private support systems for low-income families

- Child welfare workforce worker well-being and retention

- Mixed methods

How I Can Help You

- Provide substantive knowledge about the assets, needs, and disparities for those involved in child welfare and public service delivery

- Model longitudinal trajectories

- Analyze mixed methods data

How You Can Help Me

- Collaborate on NIH funding applications

- Consult on strategies to address causation

- Use qualitative data collected during Summer, 2020 to examine health in low-income families (N=34; N=67 interviews)

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All Research Profiles Available at:
research.fsu.edu/Collaborative Collision

Up Next: Joseph Schwartz

Joseph Schwartz

College of Criminology and Criminal Justice
jaschwartz@fsu.edu
https://orcid.org/0000-0001-5777-0573

My Interest in Health

- Long-term health implications of criminal justice contact
- Short- and long-term physiological impact of inequality
- Healthcare within correctional settings
- Health implications for criminal justice practitioners
- Long-term health implications of trauma exposure
- Collection, processing, and analysis of biomarkers related to stress and health
- Biological aging

Research and Projects

Physiological and Psychological Responses to Critical Incidents among Correctional Officers (NIJ 2017-R2-CX-0032)

Long-term physical health consequences of perceived inequality: Results from a twin comparison design

A Longitudinal Assessment of Head Injuries as a Source of Acquired Neuropsychological Deficits and the Implications for Criminal Persistence[

Expertise/Interests

- Health in the Criminal Justice System
- Stress and Health
- Biosocial influences/ processes on behavior
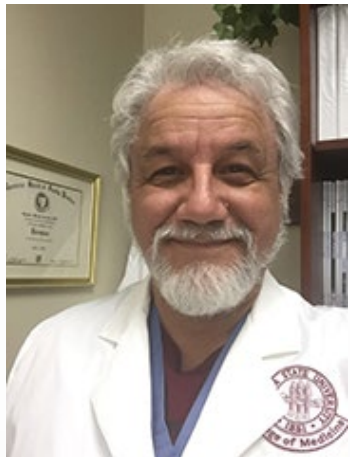- Traumatic brain injury

How I Can Help You

- Fostering partnerships with criminal justice agencies across the state
- Extensive experience collecting, storing, and analyzing salivary biomarkers
- Experience with longitudinal statistical analysis and within-family research designs

How You Can Help Me

- Currently developing an interdisciplinary research team focused on examining health outcomes within the criminal justice system and following criminal justice contact
- Potential mentor for future NIH K01 application

My Interest in Health

- Collaborative Healthcare

- Connecting with individuals and teams interested in tech and society to explore ways to improve healthcare outcomes

- Connecting with other individuals at FSU who are interested in the social, political, and economic impacts of technology development and healthcare.

Research and Projects

No research projects
(Interest in healthcare through telemedicine)
(Interest in healthcare simulation)

Stephen Quintero
Family Medicine Rural Health
Stephen.Quintero@med.fsu.edu

Expertise/Interests

- Clinical Medicine
- Medical Simulation
- Underserved Care
- Hospital Transition
- Point of Care Ultrasound

How I Can Help You

- Transition of Hospital Care
- Team-based Healthcare
- Underserved Healthcare
- Medical Clinical Expertise
- Innovation

How You Can Help Me

- Innovation Collaboration

Recent Proposals/Publications:
- none

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Up Next: Tingting Zhao

Tingting Zhao
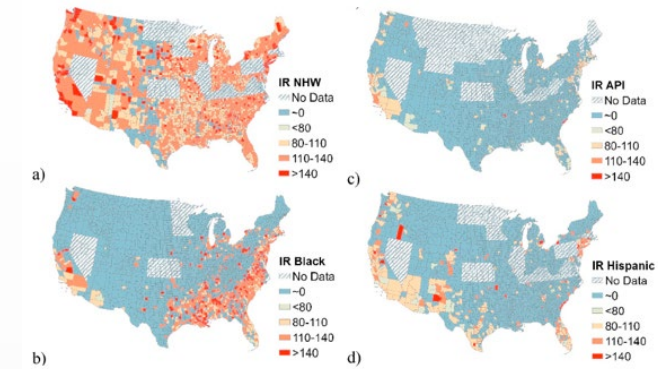
Department of Geography
tzhao@fsu.edu
https://myweb.fsu.edu/tzhao/

My Interest in Health

- Health disparities among different population groups
- Health disparities across the space
- Factors contributing to these disparities
- Health disparity interventions

Research and Projects

Identifying county-level factors for female breast cancer incidence rate through a large-scale population study

- Race-specific female breast cancer incidence rates were examined across the U.S.
- A large number of geographical factors and behavioral variables were integrated
- New county-level risk factors were found besides income and access to healthcare
- 10% increase in married-couple families lowers 5.2 FBC new cases per 100,000 females
- Elevated $PM_{2.5}$ may generate up to 4 more FBC new cases per 100,000 females

https://doi.org/10.1016/j.apgeog.2020.102324

Expertise/Interests

- GIS
- Health disparity
- Cancer

How I Can Help You

- Spatial data acquisition and analysis
- Health disparity at the population level
- Spatial health disparity
- New project idea
- Publication and grant

How You Can Help Me

- Clinic trial
- Research on lifestyle
- New project idea
- Grant and publication

Laurie Abbott

PhD, RN, PHNA-BC
FSU College of Nursing

My Interest in Health

- Exploring factors related to chronic disease including cardiovascular disease, diabetes, and heart failure

- Developing and implementing interventions to prevent and reduce disease risk and chronic disease exacerbation and associated hospitalizations

- Collaborating with others to advance health equity among rural and other underserved populations

- Studying public health topics aimed toward enhancing optimal well-being

Research and Projects

- **Current**
  - Co-investigator of a study to develop and test a problem-solving intervention for rural heart failure dyads
  - Co-investigator of a study to investigate outcomes related to pesticide exposure among rural children

- **Completed**
  - Cluster randomized trial of a cardiovascular health promotion intervention in a rural setting
  - Cluster randomized trial of a diabetes health promotion intervention in a rural setting
  - Descriptive study to explore stress, social support , and resilience in rural women.
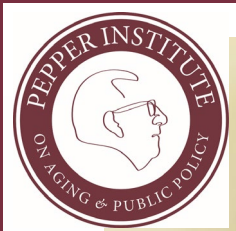
Expertise/Interests

- Rural Health
- Health Promotion
- Disease Risk Reduction
- Public Health
- Community Interventions

How I Can Help You

- Experienced registered nurse with board-certification as an Advanced Public Health Nurse

- Experience with developing and delivering health interventions in community settings

- Collaborate on projects and grants intended to promote health and reduce disease

How You Can Help Me

- Collaborate with individuals and inter-disciplinary teams on external grants, projects, and manuscripts

- Brainstorm solutions to public health problems that can be transformed into grant-fundable research projects.

Miles G. Taylor

Department of Sociology and Pepper Institute on Aging and Public Policy

My Interest in Health

- I typically study older adults and aging populations, including how statuses and experiences from early life and early adulthood impact physical and mental health.

- I specialize in functional health and disparities across the life course, notably by race/ethnicity, education, and family dynamics.

- My work typically uses large, nationally representative, longitudinal data sources.

- I have recently begun working on the topic of resilience, primarily in relation to wartime military experiences and the health of older men.

- As incoming leadership in the Pepper Institute, I want to learn more about health research and researchers across campus.

Research and Projects

- Recently funded/pending projects include:

- An examination of the role of psychological resilience in the connection between education level and cognitive decline in later life (NIH).

- A large nationally representative data collection on the relationship functioning and health of same-gender and different-gender married couples (NIH).

- An examination of socioeconomic disparities and retirement wellbeing in Canada (Fulbright).

- A contract to understand the needs of student caregivers in higher education (AARP).

- An international training program in data science and population aging for social science graduate students (SSHRC).

Expertise/Interests

- Substantive expertise in aging/gerontology and health disparities.

- Methodological expertise in structural equation modeling (SEM), longitudinal modeling, and cluster analysis.

How I Can Help You

- Grant writing and interdisciplinary team experience.

- Trained in theory and methods related to life course and early life effects on health.

- Resources of the Pepper Institute on Aging and Public Policy.

- Preliminary analysis using survey data.

How You Can Help Me

- New interdisciplinary collaborations aimed at external funding.

- Finding collaborators outside my college who might have interest in aging and health.

- New topical avenues for aging and gerontological work.

- Stakeholder involvement.

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My Interest in Health

- Impact of COVID19 on faculty's enjoyment/job satisfaction

- How being resilient during COVID19 can be treated as a strength for students seeking employment?

- The rise of e-sports as physical alternatives

- How a pandemic affects how we view our food consumptions (healthy options first?)

- Best communication methods about health protocols/precautions for tourism industry

Patrick F. Merle - pmerle@fsu.edu

Research and Projects

- No new projects on health

Expertise/Interests

- Crisis Communication

- Risk Communication

- Public Relations Campaigns

- International media

How I Can Help You

- Integration of crisis/strategic communication in your study

- Western European comparative perspectives

How You Can Help Me
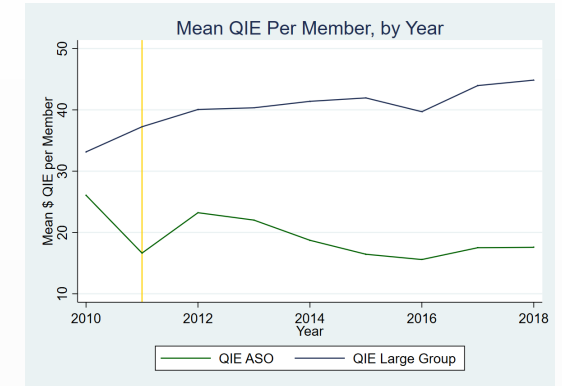
- Co-authorship

- Grant involvement

Patty Born

Dept. of Risk Management/Insurance, Real Estate and Legal Studies
pborn@business.fsu.edu
orcid.org/0000-0002-4178-0088

My Interest in Health

- Identifying and building collaborative research teams to conduct policy-relevant analysis of approaches to managing health and longevity risks.

- Connecting with individuals throughout the country to evaluate the performance of changes to health care access and affordability.

- Exploring structural changes in the markets for health care and health insurance.

- Evaluating health insurer strategies for controlling the cost of health care services.

Research and Projects

One of my current projects considers health insurers' quality improvement expenses (QIE).

Mean QIE Per Member, by Year

We estimate whether health insurers use QIE to meet the ACA minimum loss ratio requirement. We compare insurers providing group health plan coverage – which are subject to a 85% MLR - to insurers that offer admin-services only, which are not subject to an MLR requirement. While QIE should benefit patient outcomes, the MLR requirement may have unanticipated consequences.

Recent Publications:
- Regret in Health Insurance Post-Purchase Behavior
- Restrictive Rating and Adverse Selection in Health Insurance
- ACA Exchange Competitiveness in Florida
- Genetic Testing in Underwriting: Implications for Life Insurance Markets

Expertise/Interests

- Health Insurance
- Health Law & Regulation
- Medical Malpractice
- Management of Personal Risks (health, longevity, disability, LTC)

How I Can Help You

- Access to 20+ years of state-level health insurance data
- Expertise in cost-benefit analysis and econometrics
- Research experience in health insurer financial data and insurance (Medicaid) claims
- Experience as PI/researcher on grants with state agencies

How You Can Help Me

- Consult on interpretation of health care utilization and outcomes data
- Assist with survey-design and data analysis
- Collaborate to develop research with policy-relevant results

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Up Next: Frankie Wong

Frankie Wong

Professor, College of Nursing
Founding Director, Center for Population Sciences and Health Equity
fwong@fsu.edu

My Interest in Health

- To promote health equity and reduce health disparities among marginalized, under-served, and vulnerable populations based on empirical evidence and culturally competent approach

Research and Projects

- *Identifying the Influence of Genetic and Social Epigenomic Factors on Long-term Comorbid Outcomes on Depression and Cardiovascular Disease* (043846); Health Data Science Institute, Office of Research, Florida State University: Co-I (PI: Eugenia Millender)

- *Disparities for HIV-related Hypertension in African-American and Asian/ Pacific-American MSM*; National Institute of Minority Health and Health Disparities (R01MD013501): PI (Contact)

Expertise/Interests

- Intersectionality of clinical and macrosocial determinants on physical, psychosocial, and mental health

  1. Migration and Health (especially depression; HIV; other non-HIV sexually transmitted infections such as syphilis; substance misuse; and viral hepatitis)
  2. Sexual Health (including HIV and other non-HIV STIs such as syphilis)
  3. Substance Misuse
  4. HIV Disease Progression and Management (e.g., hypertension)

How I Can Help You

- Extensive experience and knowledge re the NIH extramural research enterprise, including continued support from NIH for more than 2 decades as well as having served as a charted member of a study section for 6 years.

- Also have experience and knowledge working with other DHHS agencies including CDC, HRSA, and SAMHSA.

- International research

- Research design and data analysis

How You Can Help Me

- To learn more about the community in Tallahassee and surrounding areas.

- Gain new knowledge and skills from other disciplines such as genomics and epigenetics as well as medical geography.

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Up Next: Fengfeng Ke

Fengfeng Ke

Professor, Educational Psychology and Learning Systems

https://cyberlearningresearch.coe.fsu.edu/web/

My Interest in Health

- Identifying and building collaborative research teams, and positioning them to complete for external funding.

- Connecting with other individuals at FSU who are interested in the impacts of technology development and deployment in the social and mental health research and practice.

Research and Projects

https://cyberlearningresearch.coe.fsu.edu/web/

Expertise/Interests

- Digital game and simulation-based learning

- Mixed reality integrated learning environment design and research for neurodiverse learners/workers

How I Can Help You

- Research experience in inclusive and adaptive learning and performance support systems.

- Grant writing and management.

How You Can Help Me

- Collaborate to develop an interdisciplinary research program on innovative and effective interventions for social and mental health.

Zhe He

Associate Professor
School of Information
Team Lead, UF-FSU CTSA BERD

My Interest in Health

- Artificial intelligence
- Data mining and machine learning
- Human aspect of Health IT
- Health informatics
- Access to a large clinical data warehouse – OneFlorida Data Trust (longitudinal clinical data for over 20 million patients)
- Informatics approaches for grant proposals

Research and Projects

- Optimizing Alzheimer's Disease Clinical Trial Generalizability (R21AG061431-02S1, 2019-2021)
- The Adherence Promotion with Person-centered Technology (APPT) Project: Promoting Adherence to Enhance the Early Detection and Treatment of Cognitive Decline (R01AG064529, 2019-2024) PI: Walter Boot
- Systematic Analysis of Clinical Study Generalizability Assessment Methods with Informatics (R21AG061431, 2019-2021) PI: Zhe He
- Posttransplant Health Outcomes in Pediatrics Organ Transplantation (NCATS CTSA 2019 – 2020) MPI: Michael Killian and Zhe He

Expertise/Interests

- Big Data Analytics
- Data Mining
- Machine Learning
- Health Informatics
- Natural Language Processing

How I Can Help You

- Clinical data access
- Natural language processing
- Machine learning and deep learning
- Grant writing
- Connect to multidisciplinary researchers in FSU

How You Can Help Me

- Statistical modeling of complex datasets
- Longitudinal data analysis
- Web development
- Software development

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Thank You!

Evangeline Ciupek, ORD

Beth Hodges, ORD

Rachel Goff-Albritton, ORD

Grace Adkison, ORD

Jonathan Nurse, FSU Federal Relations

Bill Wellock, Research Communications

Kathleen Haughney, Research Communications

Council of Associate Deans for Research

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