UI CAMS
Meet and Greet

Tuesday, December 10, 2019
**CAMS-relevant articles**

- “The Influence of Multimorbidity on Health Care Utilization at the End of Life for Patients with Chronic Conditions,” *Journal of Palliative Medicine*, 2019
- “Multimorbidity Patterns in the Elderly: a Prospective Cohort Study With Cluster Analysis,” *BMC Geriatrics*, 2018

**Alaa Albashayreh**

My research interests are

- **Quality and person-centered care in serious illness and end of life**
- **Advance care planning, goals of care, and end of life conversations**
- **EHR and claims data as a tool to research end of life trajectories**

**I am looking for…**

- **Collaborators with expertise in the use of EHR data, claims data, and data-mining**

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Alaa Albashayreh, MSN, RN
PhD Student
College of Nursing

https://nursing.uiowa.edu/academic-programs/phd/new-students/albashayreh
Susana Calderon

My research interests are

• Oral Health
• Oral Symptoms
• Oral Microbiome

I am looking for...

• Collaborators with expertise in vulnerable populations and obesity

CAMS-relevant articles

• “Children tooth brushing behavior: A feasibility study on the association between oral microbiota,”
  Submitted to BMC Oral Health

Susana J. Calderon, Ph.D., RN
Post Doctoral Research Fellow
NRSA T-90
University of Iowa
College of Dentistry
Iowa Institute of Oral Health Research

Your Logo
Catherine Cherwin, PhD, RN
Assistant Professor
College of Nursing

My research interests are

• Cancer symptom clusters
• GI symptom burden and GI microbiome
• Non-pharmacologic management of cancer symptoms

I am looking for…

• Collaborators with expertise in symptom, management, cancer, or microbiome research
• An analytic method for visualizing large microbiome data and symptom data

CAMS-relevant articles

• Systematic Review of Nonpharmacologic Approaches for the Management of Gastrointestinal Symptoms, Oncology Nursing Forum, 2019
• Distress-Based Gastrointestinal Symptom Clusters and Impact on Symptom Interference and Quality of Life in Patients with a Hematologic Malignancy Receiving Chemotherapy, Journal of Pain and Symptom Management, 2017
• Prevalence, Duration, Severity, and Distress of Chemotherapy-Related Gastrointestinal Symptoms in Patients With a Hematologic Malignancy, Oncology Nursing Forum, 2016
• Gastrointestinal symptoms in patients with cancer: A synthesis of the literature, Oncology Nursing Forum, 2012

http://www.nursing.uiowa.edu/faculty-staff/faculty-directory/ccherwin
Allison Chi

My research interests are

• Patients & caregivers’ experience of pain/symptom management in the context of MCC
• Patients & caregivers’ decision-making in pain/symptom management in the context of MCC
• Development of a web-based decision-making

I am looking for…

• Collaborators or mentors for decision-making, MCC, or web-based application

http://www.nursing.uiowa.edu/faculty-staff/faculty-directory/nchi
Young-Eun Cho

My research interests are

- Placenta biomarkers associated with birthweight /childhood obesity
- Endothelial dysfunction in obese population

I am looking for...

- Collaborators with expertise in peripheral blood biomarker
- A mentor for breast feeding-obesity
- An analytic method for big-data analysis

CAMS-relevant articles

- Exosomal protein profiles as novel biomarkers in weight gain after kidney transplantation (submitted 2019)
- Oxidative stress is associated with weight gain in recipients at 12-months following kidney transplantation (2016)
- Coronary endothelial dysfunction and mitochondrial reactive oxygen species in type 2 diabetic mice (2013)

https://nursing.uiowa.edu/faculty-staff/faculty-directory/ycho4
Marcelo Correia

My research interests are

• Obesity Management

• Non-alcoholic Fatty Liver Disease in Obesity and Diabetes

I am looking for…

• Collaborators with expertise in Obesity Care (quantitative and qualitative research)
My research interests are

- **Inherited disorders and families:**
  - Risk perception

- **Risk communication**

I am looking for…

- Investigators who can provide **wet-lab research experiences for PhD students**

- Investigators who can provide **research practicum for PhD students interested high-needs complex patients.**

CAMS-relevant articles


Mental models of cause and inheritance for type 2 diabetes among unaffected individuals who have a positive family history. Qualitative Health Research, 2017, doi:10.117/1049732317745052.

Bringing personalized medicine to a PACT program: A quality improvement project Journal of the American Psychiatric Nurses Association 2019. doi: 10.11771078390319826687

Stephanie Edmonds

My research interests are

• Patient-Clinician Communication
• Reproductive Life Planning
• Preconception Health

I am looking for…

• Collaborators with expertise in measurement and ideas for studies on chronic conditions and pregnancy planning

CAMS-relevant articles

• “Preconception Care in the Veterans Health Administration”. Seminars in Reproductive Medicine, 2018
• “Activating Patients with a Tailored Bone Density Test Results Letter and Educational Brochure: The PAADRN Randomized Controlled Trial.” Journal of Clinical Densitometry, 2016
Miguel Encarnação

My research interests are

• Data & Information Visualization
• Virtual & Augmented Reality
• Intelligent User Interfaces

I am looking for…

• Interesting Research Projects to contribute to

CAMS-relevant articles

• “User-centered development of medical visualization applications.” *Computers & Graphics* Elsevier


• “Affective computing for behavior-based UI adaptation.” *Intelligent User Interfaces*, ACM

L. Miguel Encarnação
PhD, MS CS
Professor of Practice
College of Business

https://tippie.uiowa.edu/people/luis-miguel-encarnação
CAMS-relevant articles

- “Integrated model of multimorbidity and symptom science” Nursing Outlook, under review.
- “Strain- and Species-Level Variation in the Microbiome of Diabetic Wounds Is Associated with Clinical Outcomes and Therapeutic Efficacy, Cell Host and Microbe, 2019
- “Human macrophage response to microbial supernatants from diabetic foot ulcers,” Wound Repair and Regeneration, 2019

Sue Gardner

My research interests are

- Multiple Chronic Conditions in Iowans
- Chronic wound microbiome
- Wound pain

I am looking for…

- Collegiate/Departmental Partners to develop a UI Center on MCC for Iowans
- Expertise in existing healthcare databases on Iowans.
- An analytic method for examining MCC patterns/clusters
Nancy Genoar

My research interests are

• Complex needs of the ACO patient
• Skilled nursing facilities (SNF) and the ACO patient

I am looking for...

• Collaborators with expertise in care transitions between hospitals and SNF
Stephanie Gilbertson-White

My research interests are

• **Symptom management in people with multimorbidity including cancer**
• **Data mining electronic health records**
• **Rural health and multimorbidity**

I am looking for…

• **Collaborators interested in:**
  • Symptoms science
  • EHR data mining including NLP
  • Understanding rurality & health outcomes

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CAMS-relevant articles

Andrea Greathouse

My research interests are

• *Documentation and ties to HCCs and DRGs, value based care*

• *How the quality of documentation affects treatment and outcomes from outpatient to inpatient*

• *How to document nursing care to show value similar to providers*

  **I am looking for…**

• *Collaborators that want to look at the reimbursement ties to value based care models*

• *An analytic method for quantifying the quality of documentation and a comparison model for outcomes*
Katie Hadlandsmyth

My research interests are

• The transition from acute to chronic pain, including persistent post-surgical pain.

• Designing behavioral interventions for subsets of patients with pain.

• Epidemiological opioid studies.

I am looking for...

• Collaborators with an interest in biomarkers related to pain.

CAMS-relevant articles


Linda Liu Hand

My research interests are

• Cognitive development, assessment and training
• Facilitation of research and interdisciplinary collaborations

I am looking for...

• Researchers or clinicians with an interest in presenting at research events and workshops or looking for expertise in nursing-relevant topics

CAMS-relevant articles

My research interests are

- **SAS programming**
- **Data analysis**
- **REDCap databases**

I am looking for...

- **Collaborators with expertise in data sharing**

CAMS-relevant articles

Keela Herr

My research interests are

• **Pain in older adults**
• **Implementation of best practices**
• **Pain at end of life for older adults**

I am looking for…

• **Opportunities to support other faculty in developing programs of research**

CAMS-relevant articles


Two databases with data on MCC and pain: nursing home and hospices

Keela Herr, PhD, RN
Kelting Professor in Nursing
Associate Dean for Faculty,
College of Nursing

https://nursing.uiowa.edu/faculty-staff/faculty-directory/kherr
Boyd Knosp

My research interests are

• Leveraging informatics and IT to accelerate translational science

• Understanding informatics organization and services

• Technology maturity models

I am looking for...

• Researchers looking for informatics services

• Early career health professionals looking for informatics training

CAMS-relevant articles


• Dissemination and Continuous Improvement of a CTSA-based Software Platform, SPARCRequest©, Using an Open Source Governance Model. Journal of Clinical and Translational Science, 2019

Boyd Knosp, MS, FAMIA
Associate Dean for IT, Carver College of Medicine
Associate Director for Biomedical Informatics, ICTS
Co-Director for Advanced Analytics, CAMS
Anna Krupp

My research interests are

- Improving functional outcomes for ICU survivors
- Nurse decision-making
- Impact of multimorbidity on pain, fatigue, and mobility among critically ill patients

I am looking for...

- Collaborators with expertise in using EHR data
- A mentor for prospective research, optimizing symptom assessment in critically ill patients
- An analytic method for predicting discharge functional ability based on ICU interventions and clinical course

CAMS-relevant articles

- “Factors Nurses in the Intensive Care Unit Consider When Making Decisions About Patient Mobility,” American Journal of Critical Care, 2019
CAMS-relevant articles

- Article #2 Evaluation of emergency department derived delirium prediction models using a hospital-wide cohort, J Psychosom Res 2019

Sangil Lee

My research interests are

- Research interest #1 Delirium
- Research interest #2 Mental health
- Research interest #3 Informatics

I am looking for…

- Collaborators with expertise in implementation science and informatics
- A mentor for aging research
- An analytic method for focus group and modified Delphi
My research interests are

- **Mealtime difficulties, function, and nutrition in dementia**
- **Behavioral engagement, dyadic interaction, dining environmental stimulation**
- **Tool development and validation**

I am looking for...

- **Collaborators with expertise in behavioral intervention development, and behavioral coding (e.g., using Noldus)**
- **An analytic method for temporal relationships (e.g., sequential analysis)**
Karen Dunn Lopez

- Tailored clinical decision support/aides
- Health information technology design & usability testing
- Generating knowledge from secondary use of EHR data

I am looking for...

- Collaborators for identifying symptoms using nursing documentation data
- Collaborators to develop symptom based decision aids
- Outcomes measurement associated with technology use

CAMS-relevant articles

- Toward meaningful care plan clinical decision support: Feasibility and effects of a simulated pilot study, Nursing Research 2017
- Nurses’ numeracy and graphical literacy: Informing studies of clinical decision support interfaces, Journal of Nursing Care Quality, 2016
Ann Marie McCarthy

My research interests are

- **Children with chronic conditions**
- **Pain management in children**
- **School health**

I am looking for…

- **Colleagues with research interests in symptom management in children with chronic conditions**

CAMS-relevant articles

Chooza Moon

My research interests are

• Sleep and Circadian Rhythm
• Neural Aging
• Cardiovascular disease

I am looking for...

• Collaborators with expertise in biomarkers in cardiovascular status
• A mentor for intervention study
• An analytic method for advanced statistical and machine learning analysis and MRI analysis

CAMS-relevant articles

• “Multi-morbidity: implications for cognition – findings from the Wisconsin Registry for Alzheimer’s Prevention (WRAP),” Applied Nursing Research, 2018
• “Sleep-Disordered Breathing, Brain Volume, and Cognition in Older Individuals with Heart Failure,” Brain and Behavior, 2018
• “Multimodal Brain Imaging Investigation of Self-Reported Sleep Quality and Daytime Sleepiness in Older Adults with Heart Failure,” International Journal of Neuroscience, 2018

Chooza Moon, PhD, Assistant Professor, College of Nursing

Web link to profile-CON
Homepage
Todd Papke

My research interests are

• Audio Alerts in the ICU
• NIC/NOC clustering
• Wound identification and classification

I am looking for

• Collaborators with expertise in SQL Server, Web app, and iOS Research Kit development
• An analytic method for classifying wound staging from images
Yelena Perkhounkova

My research interests are

- Analyses of complex, hierarchical data
- Psychometric instrument development and validation
- Innovative research designs

I am looking for…

Collaborators for grant proposals and publications.

CAMS-relevant articles

- “Distress-Based Gastrointestinal Symptom Clusters and Impact on Symptom Interference and Quality of Life in Patients with a Hematologic Malignancy Receiving Chemotherapy,” Journal of Pain and Symptom Management, 2017
- “Use of Body Sensors to Examine Nocturnal Agitation, Sleep, and Urinary Incontinence in Individuals With Alzheimer's Disease,” Journal of Gerontological Nursing, 2018

Web link
Barbara Rakel

My research interests are:

- Predictors of chronic postsurgical pain
- Efficacy of non-pharmacologic pain interventions to improve outcomes in “at-risk” patient populations
- Improving movement-evoked pain

I am looking for...

- Investigators interested in studying patients with multiple chronic condition conditions.

CAMS-relevant articles

- “PROMIS Instruments: Reliability and Validity in Veterans Following Orthopedic Surgery.,” Evaluation & the Health Professions, 2019

http://www.nursing.uiowa.edu/faculty-staff/faculty-directory/rakelb
Hari Sharma

My research interests are

• Aging
• Nursing homes
• Health economics

I am looking for…

• Collaborators with expertise/interest in older adults including those in nursing homes

CAMS-relevant articles


• “Does nursing home compare reflect patient safety in nursing homes?”, *Health Affairs*. 2018.
My research interests are

- *Data mining*
- *Machine learning*
- *Healthcare analytics*

I am looking for…

- *Healthcare researchers with data and questions to answer*
- *Data scientists interested in making connections with CoN*
Julie Vignato

My research interests are

• **Perinatal Mental Health/Preeclampsia**
• **Perinatal/Reproductive Pain**
• **Perinatal Biomarkers/Biological Mechanisms**

I am looking for…

• **Collaborators with expertise in Perinatal Pain**

CAMS-relevant articles

- “Correlates of Perinatal PTSD Among Culturally Diverse Women with Depressive Symptomatology,” *Issues in Mental Health Nursing*, 2018
- “Pain and Depression Symptoms During the Third Trimester of Pregnancy,” *Submitted for Publication*.
- “Copeptin, Depression Symptoms, SSRIs, and Preeclampsia,” *To be submitted for publication after embargo (February 2020)*
Chao Wang

My research interests are

- Transfer/multitask learning and information fusion
- High dimensional data modeling
- Process monitoring and control

I am looking for...

- Collaborators with field knowledge and rich data but need a comprehensive way to efficiently extract information from data or combine their field knowledge to better understand the data.

CAMS-relevant articles

Janet Williams

My research interests are

• **Ethical issues in genomic health care**

• **Enrichment Program Co-Director: MMC research skill development of CAMS members**

I am looking for...

• **Collaborators, for CAMS projects or enrichment activities, with expertise in MMC and multiple symptom research recruitment, design, data analysis, and data interpretation in rural adults**

CAMS-relevant articles


- Williams, J.K et al. (2012). Researcher and IRB chair perspectives on incidental findings in genomic research. *Genetic Testing and Biomarkers* 16(6), 508-513.
Julie Zerwic

My research interests are

• Cardiovascular symptoms and risk factors
• Fatigue as a cardiovascular symptom
• Diversity in the nursing workforce

I am looking for...

• Collaborators with expertise in measurement and mechanisms of cardiovascular related fatigue

CAMS-relevant articles

• “Selecting symptom instruments for cardiovascular Populations,” Care of Patients with Cardiovascular Disorders, 2016
• “Systematic review of symptom clusters in cardiovascular disease,” European Journal of Cardiovascular Nursing, 2017
• “Fatigue in the presence of coronary heart disease,” Nursing Research, 2014