UI CAMS
Meet and Greet

Tuesday, December 10, 2019
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

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

I am looking for…

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

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
Catherine Cherwin

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

- 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

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)
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)**

Marcelo Correia, MD PhD
Clinical Assistant Professor, College of Medicine

https://medicine.uiowa.edu/internalmedicine/profile/marcelo-correia
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


Sandra Daack-Hirsch

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.
Karen Dillon

My research interests are

• Skilled nursing facilities (SNF) and the ACO patient

• Complex needs of the ACO patient

I am looking for…

• Collaborators with expertise in care transitions between hospitals and SNF
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

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

• “Towards sociable virtual humans: Multimodal recognition of human input and behavior.” *The International Journal of Virtual Reality, Ipi press*

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

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

• “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

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


Maria Hein

My research interests are

- SAS programming
- Data analysis
- REDCap databases

I am looking for...

- Collaborators with expertise in data sharing

CAMS-relevant articles

- Understanding symptom burden in patients with advanced cancer living in rural areas. Oncology Nursing Forum. 2019
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


Boyd Knosp

CAMS-relevant articles

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

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

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

Anna Krupp, PhD, RN
Assistant Professor, College of Nursing

Web link to faculty profile
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)**

**CAMS-relevant articles**

- “Dental-related Function and Oral Health in Relation to Eating Performance in Assisted Living Residents With and Without Cognitive Impairment”, Special Care in Dentistry, 2019
- “Facilitators and barriers to optimizing eating performance among cognitively impaired older adults: A qualitative study of nursing assistants’ perspectives”, Dementia, 2018
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**
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
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
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

Barbara Rakel, PhD, RN, FAAN
CAMS Co-Director, Professor College of Nursing

http://www.nursing.uiowa.edu/faculty-staff/faculty-directory/rakelb
CAMS-relevant articles


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

Faculty profile
Nick Street

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)

Julie Vignato, PhD, RNC-LRN, CNE
Assistant Professor, College of Nursing

https://nursing.uiowa.edu/faculty-staff/faculty-directory/jvignato
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


Chao Wang, PhD
Assistant Professor,
Dept. Industrial Engineering
College of Engineering

https://www.engineering.uiowa.edu/faculty-staff/chao-wang
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

- Cohn, E.G., et al. (2017) Self-reported race/ethnicity of biobank participants in the United States. *Journal of Community Genetics* 8, 229-238
- 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
- “Fatigue in the presence of coronary heart disease,” *Nursing Research*, 2014