

**Table 2. Participating Faculty Members
(Alphabetically by Faculty Member)**

Name/Degree(s)	Rank	Primary (& Secondary) Appointment(s)	Role in Program	Research Interest
Afifi, Walid	Professor	College of Liberal Arts and Sciences – Communications Studies (College of Nursing)	Affiliated Faculty	Uncertainty and information- management decisions; people’s experience of uncertainty and their decisions to seek or avoid information in relational contexts.
Anderson, Steven	Associate Professor	College of Medicine – Psychiatry	Affiliated Faculty	Cognitive and neurological factors related to emotion
Ansley, Timothy	Associate Professor	Department of Psychological and Quantitative Foundations, College of Education (Iowa Testing Programs)	Affiliated Faculty	Data analytic methods Validation and scaling of measurement instruments
Arndt, Stephan	Professor	College of Medicine – Psychiatry (College of Nursing; College of Public Health- Biostatistics; Office of Vice President for Research-Iowa Consortium for Substance Abuse Research & Evaluation)	Affiliated Faculty	Psychometrics, instrument development, reliability and validity studies, epidemiology, treatment and prevention of substance use disorders.
Bern-Klug, Mercedes	Associate Professor	School of Social Work (Office of the Provost-International Programs; Affiliate Faculty Member, Biomedical Ethics and Medical Humanities, College of Medicine)	Affiliated Faculty	Psychosocial challenges facing nursing home residents and family members related to advanced chronic illness and end-of-life issues.
Brennan, Timothy	Professor	College of Medicine – Anesthesia (College of Nursing; College of Medicine- Pharmacology)	Affiliated Faculty	Neural mechanisms for post- operative pain
Brophy, Patrick	Professor	College of Medicine - Pediatrics	Affiliated Faculty	Telehealth, health informatics, pediatrics, nephrology,

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Carmichael, Gregory	Professor	College of Engineering-Chemical and Biochemical Engineering (College of Nursing; Provost Office-Informatics)	Affiliated Faculty	Informatics applied to health
Carnahan, Ryan	Clinical Associate Professor	College of Public Health	Core Faculty	Pharmacoepidemiology Psychiatry Dementia Delirium Cognitive impairment Anticholinergics Antipsychotics Medication adverse effects
Chipara, Octav	Assistant Professor	College of Liberal Arts & Sciences – Computer Science	Affiliated Faculty	Development of wireless embedded systems that deliver high-quality sensor data in real-time and with high reliability. Real world applications include clinical monitoring and emergency response systems
Clark, M. Kathleen	Professor	College of Nursing (VP Research-Iowa Consortium on Substance Abuse; University of Iowa Hospitals & Clinics-Nursing Service)	Senior Faculty	Behavioral, biologic, and hormonal determinants of osteoporosis Obesity impact on pain and effect on interventions
Cullen, Laura	Evidence Based Practice Scientist	Office of Nursing Research, Evidence-Based Practice & Quality, Department of Nursing and Patient Care Services, University of Iowa Hospitals and Clinics (College of Nursing-Adjunct Clinical Instructor)	Affiliated Faculty	Application of implementation science and its impact on a wide variety of EBP topics and patient populations, including pain
Culp, Kenneth	Professor	College of Nursing (College of Public Health-Occupational & Environmental Health)	Senior Faculty	Dehydration & heat stress Use of mobile technology to measure dehydration Minority workers Aging workforce Health care workers Delirium in older adults in NHs

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Daack-Hirsch, Sandra	Associate Professor	College of Nursing	Affiliated Faculty	Communication and use of genomic information Genomic literacy of patients and health care providers Genetic factors related to pain
Downing, Nancy	Assistant Professor	College of Nursing (College of Medicine-Psychiatry)	Affiliated Faculty	Advancing the quality of life through management of symptoms for people who have the gene mutation for Huntington disease. Management of genomic information in clinical and research settings. Genetics related to pain and associated symptoms
Eland, Joann	Associate Professor	College of Nursing	Affiliated Faculty	Pediatric pain Translation/communication of research results into practice
Ersig, Anne	Assistant Professor	College of Nursing	Junior Nursing Faculty	Self and family-management of chronic genetic conditions with focus on the role of the social network in the development of self and family management behaviors Biological variations for anxiety and pain
Frey Law, Laura	Associate Professor	Graduate Program in Physical Therapy and Rehabilitation Science, College of Medicine (College of Nursing)	Core Faculty	Factors that contribute to pain heterogeneity including: sex, psychological traits, genetics, activity level Strength and fatigue research:

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Gardner, Sue	Associate Professor	College of Nursing (University of Iowa Hospitals & Clinics-Nursing Service)	Core Faculty	Wound healing Wound infection Genomic analyses of microbiota Diabetic foot ulcers Wound pain
Gilbertson-White, Stephanie	Assistant Professor	College of Nursing (College of Medicine-Internal Medicine; University of Iowa Hospitals & Clinics-Nursing Service)	Junior Nursing Faculty	Biobehavioral Responses to Symptom Appraisals in Patients with Advanced Cancer Hospice and Palliative Care
Grossmann, Ruth	Assistant Professor	College of Nursing	Junior Nursing Faculty	Nutritionist, Metabolomics, impact of diet and metabolome on symptoms in chronic conditions.
Hammond, Donna	Professor	College of Medicine - Anesthesia (College of Nursing; College of Medicine-Pharmacology, Neuroscience)	Affiliated Faculty	Neurochemical and molecular mechanisms of persistent inflammatory or neuropathic pain Migraine Brainstem control of spinal neurotransmission
Hanrahan, Kirsten	Nurse Scientist	University of Iowa Hospitals and Clinics, Department of Nursing	Affiliated Faculty	Development and testing of interventions to improve pain management in pediatrics; Comparative effectiveness of implementation strategies to best integrate interventions that improve outcomes related to pediatric pain in clinical practice

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Herr, Keela	Professor	College of Nursing (University of Iowa Hospitals & Clinics-Nursing Service)	Project Director and Senior Nursing Faculty	End of life pain management Pain assessment and measurement Promoting evidence-based practices
Hourcade, Juan Pablo	Associate Professor	College of Liberal Arts and Sciences – Computer Science (College of Nursing)	Affiliated Faculty	Human-Computer Interaction, with a focus on the design, implementation and evaluation of technologies that support creativity, collaboration and information access for a variety of users, including children and older adult
Kearney, Joseph	Professor	College of Liberal Arts and Sciences-Computer Science (College of Nursing)	Affiliated Faculty	Behavior, scene, and scenario modeling for virtual environments and interactive simulation Develop virtual environment for study of human behavior
Kleiber, Charmaine	Associate Professor Emerita / Assoc Research Scientist	College of Nursing (Nursing Research, Evidence-Based Practice & Quality, University of Iowa Hospitals & Clinics)	Core Faculty	Pediatric pain Translating research to practice
Lehan-Mackin, Melissa	Assistant Professor	College of Nursing	Affiliated Faculty	Develop innovative approaches, including mobile device technologies, to communicate health knowledge that considers the unique needs and abilities of target populations

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McCarthy, Ann Marie	Professor	College of Nursing (College of Medicine-Pediatrics; College of Public Health-Community & Behavioral Health; University of Iowa Hospitals & Clinics-Nursing Service)	Project Director and Senior Nursing Faculty	Pediatric procedural pain: distraction Pediatric pain: predictive modeling Risk for distress with procedural pain application
Moorhead, Sue	Associate Professor	College of Nursing (University of Iowa Hospitals & Clinics-Nursing Service)	Core Faculty	Standardized language development and use Outcomes of care and effectiveness research Telehealth and EMR access
Murray, Jeffrey	Professor	College of Medicine – Pediatrics (College of Nursing; College of Dentistry-Dows Institute for Research, Pediatric Dentistry; College of Public Health-Epidemiology; College of Liberal Arts & Sciences-Biology; Provost Office-International Programs; Office Vice President for Research-Public Policy Center; College of Medicine-Anatomy & Cell Biology; Iowa Center for Translational Science)	Affiliated Faculty	Use of genome-wide association, linkage and sequencing approaches Phenotype and genotype measurement in relation to pain
Papke, Todd	Technology Innovations Scientist	College of Nursing (Nursing Research, Evidence-Based Practice & Quality, University of Iowa Hospitals & Clinics)	Affiliated Staff	Health Information Technology, data mining, mobile app development.
Pennathur, Priyadarshini	Assistant Professor	College of Engineering-Industrial Engineering (College of Medicine-Internal Medicine)	Affiliated Faculty	Health care and information systems Human factor engineering related to pain
Perkhounkova, Elena	Staff Statistician	College of Nursing (Office of Nursing Research and Scholarship)	Affiliated Staff	Statistician.
Rakel, Barbara	Associate Professor	College of Nursing (College of Medicine – Physical Therapy; University of Iowa Hospitals & Clinics-Nursing Service)	Core Faculty	Pain management in older adults Non-pharmacologic pain interventions Persistent postoperative pain Hyperalgesia Evidence-Based Practice Acute Care

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Ramey, Sandra	Academic Faculty	College of Nursing	Affiliated Faculty	Biological markers of stress CVD risk and morbidity
Ray, James	Clinical Associate Professor and James A. Otterbeck OnePoint Patient Care Professorship in Hospice and Palliative Care (as of 6/1/15)	College of Pharmacy	Affiliated Faculty	Clinical pain management Palliative care
Reisinger, Heather	Assistant Professor	College of Medicine – Internal Medicine	Affiliated Faculty	Ethnography, qualitative methodology; patient-activation in hypertension treatment, development of marketing messages to increase Veteran access to VA services, and evaluation of the implementation of tele-ICU
Rosenthal, Gary	Professor	College of Medicine – Internal Medicine (College of Nursing; College of Public Health-Health Management & Policy, Epidemiology; Iowa Center for Translational Science)	Affiliated Faculty	Translational research interventions to improve the implementation of evidence-based practices Measurement of quality of care Development of novel methods for measuring severity of illness
Sanders, Sara	Associate Professor	School of Social Work	Affiliated Faculty	Caregiving End-stage dementia care Hospice care, including pain

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Segre, Alberto	Professor	College of Liberal Arts & Sciences – Computer Science (College of Nursing;	Core Faculty	Solving optimization problems in the health sciences Computational tools to model and simulate activity and engagement
Sluka, Kathleen	Professor	Graduate Program in Physical Therapy and Rehabilitation Science, College of Medicine (College of Nursing)	Senior Faculty	Basic science mechanisms underlying musculoskeletal pain Analgesia provided by non-pharmacological treatments such as TENS and exercise
Smith, Marianne	Associate Professor	College of Nursing	Core Faculty	Common late life psychiatric problems including depression, anxiety, and dementia Use of collaborative care models to treat of comorbid conditions, including pain, using interdisciplinary approaches Innovative training models to promote use of best practices/evidence-based geropsychiatric practices and knowledge transfer
Sonka, Milan	Professor	College of Engineering – Electrical-Computer Engineering (College of Medicine-Ophthalmology)	Affiliated Faculty	Medical imaging and technology based aspects of pain-related nursing research
St. Marie, Barbara	Associate Faculty	College of Nursing	Junior Nursing Faculty	Pain with emphasis on substance abuse disorders
Steelman, Victoria	Assistant Professor	College of Nursing	Affiliated Faculty	Perioperative nursing Safety and quality Evidence-based practice HIT sensor use to monitor patient outcomes

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Street, W. Nick	Professor	College of Business – Management Sciences (College of Nursing; College of Liberal Arts & Sciences-Computer Science)	Senior Faculty	Data mining Health informatics Machine learning Mathematical programming
Swegle, John	Clinical Associate Professor	College of Pharmacy	Affiliated Faculty	Pharmacologic management of pain Pain management at EOL
Thomsen, Timothy	Professor	College of Medicine, Director of Palliative Care	Affiliated Faculty	Pain and associated symptoms in chronic and terminal patients
Tripp-Reimer, Toni	Professor	College of Nursing (College of Liberal Arts and Sciences-Anthropology; University of Iowa Hospitals & Clinics-Nursing Service)	Senior Faculty	Ethnicity and health behaviors in pain Ethnogerontology Self-care Chronic illness Qualitative methods
Tucker, Sharon	Director	Nursing Research, Evidence-Based Practice & Quality, University of Iowa Hospitals & Clinics	Core Faculty	Evidence-based practice and translation science strategies Behavioral strategies to promote health/wellness, prevent disease, reduce stress and risks, particularly among working mothers and children
Voss, Michelle	Assistant Professor	College of Liberal Arts and Sciences-Psychology	Affiliated Faculty	Cognitive neuroscience using MRI imaging techniques Cognitive impairment during aging Learning-related changes in brain and behavior, and the translation of laboratory measures of cognitive and brain health to everyday function

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Wallace, Andrea	Assistant Professor	College of Nursing (University of Iowa Hospitals & Clinics-Nursing Service)	Affiliated Faculty	Implementation and translation science Chronic illness management Quality improvement Health literacy Patient-provider communication
Weiner, George	Professor	College of Medicine – Internal Medicine/Director, Holden Cancer Center	Affiliated Faculty	Cancer research Biobehavioral and psychosocial aspect of cancer Distress experienced by cancer patients, including pain
Williams, Janet	Professor	College of Nursing	Senior Faculty	Disclosure of genetic information Huntington disease
Williams, Kristine	Professor	College of Nursing	Senior Faculty	Effective and person-centered communication Non-pharmacological interventions in dementia symptoms, including pain Telehealth interventions to support family caregivers of persons with dementia
Zimmerman, M. Bridget	Clinical Professor	College of Public Health (Biostatistics)	Affiliated Faculty	Statistician, Pain in children Postoperative pain in older adults