

## CURRICULUM VITAE

**Sue E. Gardner, PhD, FAAN**

Updated 10/22

PROFESSOR  
 COLLEGE OF NURSING  
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Adjunct Appointments

ADJUNCT ACADEMIC ASSOCIATE, THE UNIVERSITY OF IOWA HOSPITALS &amp; CLINICS

**I. EDUCATION & PROFESSIONAL HISTORY****A. EDUCATION**

<i>Dates Attended</i>	<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Location</i>
1977-1981	BSN	Nursing	University of Iowa	Iowa City, IA
1988-1990	MA	Nursing: Adult health; Administration	University of Iowa	Iowa City, IA
1993-1999	PhD	Nursing: Gerontology; Statistics/Design	University of Iowa	Iowa City, IA
2000-2002	Post-doc	Wound infection/Epidemiology	University of Iowa	Iowa City, IA

## Dissertation:

Gardner, S. E. (1999). The validity of the clinical signs and symptoms used to identify localized chronic wound infection. (Doctoral Dissertation, The University of Iowa College of Nursing, Iowa City, Iowa).

**B. LICENSURE/CERTIFICATION**

1981-	Nursing License, Iowa Board of Nursing (#065634)
1987-1994	Advanced Cardiac Life Support
1998-2008	Certified Wound Care Nurse (CWCN), Wound Ostomy and Continence Certification Board (#199822764)

**C. HONORS/AWARDS**

1988-1990	Graduate Nurse Traineeship
2000	Honorable Mention, Midwest Nursing Research Society Doctoral Student Poster Awards
2001	Nominee, D. C. Spriestersbach Dissertation Prize, The University of Iowa College of Nursing
2010-2011	CIC Academic Leadership Fellow
2013	Fellow, American Academy of Nursing
2015	Wound Healing Research Scholarship, Wound Healing Society and Symposium on Advanced Wound Care

2020 University of Iowa College of Nursing Distinguished Nurse Scholar

## E. PROFESSIONAL EXPERIENCE

### 1. Teaching Experience

1992-1993	Instructor	Indiana University, Columbus, IN
2000-2002	Adjunct Assistant Professor	The University of Iowa College of Nursing, Iowa City, IA
2002-2008	Assistant Professor	University of Iowa, Iowa City, IA
2008-2015	Associate Professor	University of Iowa, Iowa City, IA
2015-	Professor	University of Iowa, Iowa City, IA

### 2. Clinical Experience

1981-1982	Staff Nurse	Knoxville Area Community Hospital Nursing Dept., Knoxville, IA	Med/Surg, Emergency Room, ICU
1988-1991	Staff Nurse	Knoxville Veterans Affairs Medical Center Nursing Services, Knoxville, IA	Nursing Home Care Unit
1991-1993	Staff Nurse	Richard L. Roudebush Veterans Affairs Medical Center Nursing Service, Indianapolis, IN	SICU
1993-2000	Staff Nurse	Iowa City Veterans Affairs Medical Center, Patient Care Services, Iowa City, IA	ICU/General Medicine

### 3. Administrative Experience

1981-1988	Supervisor	Knoxville Area Community Hospital Nursing Department, Knoxville, IA	Labor/Delivery, Postpartum/Newborn Nursery
1986-1987	Hospital Supervisor	Knoxville Area Community Hospital Nursing Department, Knoxville, IA	
2022-	Division Head, Division of Acute and Critical Care	College of Nursing, University of Iowa	

### 4. Research Experience

1997-1999	Predoctoral Nurse Fellow	Department of Veterans Affairs, Office of Academic Affiliations
2000-2002	Postdoctoral Fellow	Department of Veterans Affairs, Office of Academic Affiliations
2003-2005	Research Health Science Specialist	Department of Veterans Affairs Medical Center, Iowa City, IA
2002-2008	Assistant Professor	University of Iowa, Iowa City, IA
2008-2015	Associate Professor	University of Iowa, Iowa City, IA
2015-	Professor	University of Iowa, Iowa City, IA
2018-2023	Co-Director	Center for Advancing Multimorbidity Science (MPI: Gardner and Rakel), College of Nursing, University of Iowa

## II. SCHOLARSHIP

### A. Areas of Research Interest

Wound healing, chronic wound infection, infection-related complications, pressure ulcers, diabetic foot pathologies, wound pain, wound microbiome, multiple chronic conditions

## B. Publications

### *Data-based Peer Reviewed Papers (student trainee/mentee)*

1. \*Frantz, R., **Gardner, S.**, Harvey, P., & Specht, J. (1991). The cost of treating pressure ulcers in a long- term care facility. *Decubitus*, 4(3), 37-45.
2. \*Frantz, R., **Gardner, S.**, Harvey, P., & Specht, J. (1992). Adoption of research-based practice for treatment of pressure ulcers in long-term care. *Decubitus*, 5(1), 44-54.
3. \*Richardson, G.M., **Gardner, S.**, & Frantz, R. A. (1998). Nursing assessment: Impact on type and cost of interventions to prevent pressure ulcers. *Journal of Wound, Ostomy and Continence Nursing*, 25, 273-280.
4. \***Gardner, S.E.**, Frantz, R.A., & Schmidt, F.L. (1999). Effect of electrical stimulation on chronic wound healing: A meta-analysis. *Wound Repair and Regeneration*, 7, 495-503.
5. \***Gardner, S.E.**, Frantz, R.A., Specht, J.K., Johnson-Mekota, J.L., Buresh, K.A., Wakefield, B.J., & Flanagan, J.R. (2001). How accurate are chronic wound assessments using interactive, video technology? *Journal of Gerontological Nursing*, 27(1), 15-20.
6. \*Johnson-Mekota, J., Maas, M., Buresh, K., **Gardner, S.E.**, Frantz, R., Specht, J., Wakefield, B., & Flanagan, J. (2001). A nursing application of telecommunications: Measurement of satisfaction for patients and providers. *Journal of Gerontological Nursing*, 27(1), 28-33.
7. \***Gardner, S.E.**, Frantz, R.A., Troia, C., Eastman, S., MacDonald, M., Buresh, K., & Healy, D. (2001). A tool to assess clinical signs and symptoms of localized chronic wound infection: Development and reliability. *Ostomy/Wound Management*, 47(1), 40-47.
8. \*Frantz, R. A., **Gardner, S.**, Specht, J. K., & McIntire, G. (2001). Integration of a pressure ulcer treatment protocol into practice: Clinical outcomes and care environment attributes. *Outcomes Management for Nursing Practice*, 5(3), 112-120.
9. \***Gardner, S.E.**, Frantz, R.A., & Doebbeling, B.N. (2001). The validity of the clinical signs and symptoms used to identify localized chronic wound infection. *Wound Repair and Regeneration*, 9, 178-186. Reprinted in French with permission of the publisher in: *Le Journal des Plaies et Cicatrisations*.
10. \***Gardner, S.E.**, Frantz, R.A., Saltzman, C.L., Dogdson, K. (2004). *Staphylococcus aureus* is associated with high microbial load in chronic wounds. *Wounds: A Compendium of Clinical Research and Practice*, 16(8), 219-225.
11. \***Gardner, S. E.**, Frantz, R. A., Bergquist, S., & Shin, C. D. (2005). A prospective study of the Pressure Ulcer Scale for Healing (PUSH). *Journal of Gerontology: Medical Sciences*, 60A(1), 93-97.
12. \***Gardner, S. E.**, Frantz, R. A., & Saltzman, C. L. (2005). Diabetes and inflammation in infected chronic wounds. *Wounds: A Compendium of Clinical Research and Practice*, 17(8), 203-205.
13. \***Gardner, S. E.**, Frantz, R. A., Saltzman, C. L. Hillis, S. L., Park, H., and Scherubel, M. (2006). Diagnostic validity of three swab techniques in identifying chronic wound infection. *Wound Repair and Regeneration*, 14(5), 548-557.
14. \***Gardner, S. E.**, Frantz, R. A., Park, H., & Scherubel, M. (2006). The inter-rater reliability of the Clinical Signs and Symptoms Checklist in diabetic foot ulcers. *Ostomy/Wound Management*, 53(1), 46-51.
15. \***Gardner, S. E.**, Frantz, R. A., Hillis, S. L., Park, H., & Scherubel, M. (2007). Diagnostic validity of semi-quantitative swab cultures. *Wounds: A Compendium of Clinical Research and Practice*, 19(2), 31-38.
16. \***Gardner, S. E.**, Hillis, S. L., and Frantz, R. A. (2009). Clinical Signs of infection in diabetic foot ulcers with high microbial load. *Biological Research for Nursing*, 11(2), 119-128.
17. \***Gardner, S. E.**, Hillis, S. L., & Frantz, R. A. (2011). A prospective study of the PUSH tool in diabetic foot ulcers. *Journal of Wound, Ostomy, and Continence Nursing*, 38(4), 385-393.
18. \***Gardner, S. E.**, Frantz, R. A., Hillis, S. L., Blodgett, T. J., Femino, L. M., & Lehman, S. M. (2012). Volume measures using a digital image analysis system are reliable in diabetic foot ulcers. *Wounds: A Compendium of Clinical Research and Practice*, 24(6), 146-151.

19. \***Gardner, S. E.**, Hillis, S. L., Heilmann, K., Segre, J. A., & Grice, E. A. (2013). The neuropathic diabetic foot ulcer microbiome is associated with clinical factors. *Diabetes*, *62*(3), 923-930.
20. \***Gardner, S. E.**, Blodgett, N. P., Hillis, S. L., Borhart, E., Malloy, L., Abbott, L., Pezzella, P., Jensen, M., Sommer, T., Sluka, K. A., & Rakel, B. A. (2014). Most wound care procedures cause moderate to severe pain and Hi-TENS reduces this pain: A pilot study. *Biological Research for Nursing*, *16*(3), 310-319. DOI: 10.1177/1099800413498639
21. \*Haleem, A., Schultz, J.S., Heilmann, K.P., Dorhn, C.L., Diekema, D.J., & **Gardner, S.E.** (2014). Concordance of nasal and diabetic foot ulcer staphylococcal colonization. *Diagnostic Microbiology and Infectious Disease*, *79*(1), 85-89.
22. \***Gardner, S. E.**, Haleem, A., Jao, Y. L., Hillis, S. L., Femino, J. E., Phisitkul, P., Heilmann, K. P., Lehman, S. M., & Franciscus, C. L. (2014). Cultures of diabetic foot ulcers without clinical signs of infection do not predict outcomes. *Diabetes Care*, *37*(10), 2693-2701.
23. \*Vu, B.G., Stach, C.S., Salgado-Pabón, W., Diekema, D.J., **Gardner, S.E.**, & Schlievert, P.M. (2014). Superantigens of *Staphylococcus aureus* from patients with diabetic foot ulcers. *Journal of Infectious Diseases*, *210*(12), 1920-1927.
24. \*Blodgett, T.J., **Gardner, S.E.**, Blodgett, N.P., Peterson, L.V., & Pietraszak, M. (2015). A tool to assess the signs and symptoms of catheter-associated urinary tract infections: Development and reliability. *Clinical Nursing Research*, *24*(4), 341-356. DOI: 10.1177/1054773814550506
25. Kalan, L., Loesche, M., Hodkinson, B.P., Heilmann, K., **Gardner, S.E.** & Grice, E. A. (2016). Redefining the chronic-wound microbiome: Fungal communities are prevalent, dynamic, and associated with delayed healing. *MBio*, *7*(5). Doi 10.1128/mBio.01058-16. PMID:27601572
26. Kalan, L., **Gardner, S. E.**, & Grice, E. A. (2016). Reply to "Understanding the Role of Fungi in Chronic Wounds". *mBio*, *7*(6), e02033-16.
27. Loesche, M., **Gardner, S. E.**, Kalan, L., Horwinski, J., Zheng, Q., Hodkinson, B. P., ... & Margolis, D. J. (2017). Temporal stability in chronic wound microbiota is associated with poor healing. *The Journal of investigative dermatology*, *137*(1), 237.
28. Jao, Y. L., **Gardner, S. E.**, & Carr, L. J. (2017). Measuring weight-bearing activities in patients with previous diabetic foot ulcers. *Journal of Wound Ostomy & Continence Nursing*, *44*(1), 34-40.
29. Burdsall, D. P., **Gardner, S. E.**, Cox, T., Schweizer, M., Culp, K. R., Steelman, V. M., & Herwaldt, L. A. (2017). Exploring inappropriate certified nursing assistant glove use in long-term care. *American Journal of Infection Control*, *45*(9), 940-945.
30. Kalan, L.R., Meisel, J.S., Loesche, M.A., Horwinski, J., Soaita, I., Chen, X., Uberoi, A., **Gardner, S.E.** and Grice, E.A. (2019). Strain-and species-level variation in the microbiome of diabetic wounds is associated with clinical outcomes and therapeutic efficacy. *Cell host & microbe*, *25*(5), 641-655.
31. Deussenberg, C.B., Kalan, L., Meisel, J.S., **Gardner, S.E.**, Grice, E.A. and Spiller, K.L. (2019). Human macrophage response to microbial supernatants from diabetic foot ulcers. *Wound Repair and Regeneration*. [DOI10.1111/wrr.12752]
32. Schumer, R.A., Guetschow, B.L., Ripoli, M.V., Phistkul, P., **Gardner, S.E.**, and Femino, J.E. (2020). Preliminary experience with conservative sharp wound debridement by nurses in the outpatient management of diabetic foot ulcers: Safety, efficacy, and economic analysis. *Iowa Orthopedic Journal*, *40* (1), 43-47.
33. **Gardner, S. E.**, Bae, J., Ahmed, B. H., Abbott, L. I., Wolf, J. S., Hein, M., ... & Rakel, B. A. (2022). A clinical tool to predict severe pain during wound dressing changes. *Pain*, *163*(9), 1716-1727.
34. White, E. K., Uberoi, A., Pan, J. T. C., Ort, J. T., Campbell, A. E., Murga-Garrido, S. M., ... & Grice, E. A. (2023). Wound microbiota-mediated correction of matrix metalloproteinase expression promotes re-epithelialization of diabetic wounds. *bioRxiv*, 2023-06.

35. Campbell AE, McCready-Vangi AR, Uberoi A, Murga-Garrido SM, Lovins VM, White EK, Pan JT, Knight SAB, Morgenstern AR, Bianco C, Planet PJ, **Gardner SE**, Grice EA. (2023). Variable staphyloxanthin production by *Staphylococcus aureus* drives strain-dependent effects on diabetic wound-healing outcomes. *Cell reports*, 42(10).

*Non-data-based Peer-reviewed Papers (student trainee/mentee)*

1. Frantz, R.A., & **Gardner, S.** (1994). Elderly skin care: Principles of chronic wound care. *Journal of Gerontological Nursing*, 20(9), 35-44.
2. Frantz, R.A., & **Gardner, S.** (1994). Clinical concerns: Management of dry skin. *Journal of Gerontological Nursing*, 20(9), 15-18, 45.
3. **Gardner, S. E.**, & Frantz, R. A. (2004). Obtaining wound specimens: 3 techniques. *Advances in Skin and Wound Care*, 17(2), 64-65. [Reprinted from Gardner, S.E., & Frantz, R. A. (2003). Wound infection. In S. Baronoski & E. A. Ayello (Eds.), *Wound care essentials: Practice principles*. Springhouse, PA: Lippincott, Williams, & Wilkins.]
4. **Gardner, S. E.**, and Frantz, R. A. (2008). Wound bioburden and infection-related complications in diabetic foot ulcers. *Biological Research for Nursing*, 10(1), 44-53.
5. Mistic, A. M., **Gardner, S. E.**, and Grice, E. A. (2014). The wound microbiome: modern approaches to examining the role of microorganisms in impaired chronic wound healing. *Advances in Wound Care*, 3(7), 502-510. DOI:10.1089/wound.2012.0397.
6. Mulder, P. J., and **Gardner, S. E.** (2015). The healthy newborn hydration model for understanding newborn dehydration immediately after birth. *Biological Research for Nursing*, 17(1), 94-99. DOI:10.1177/1099800414529362.
7. Gould L, Abadir P, Brem H, Carter M, Conner-Kerr T, Davidson J, DiPietro L, Falanga V, Fife C, **Gardner S**, Grice E, Harmon J, Hazzard WR, High KP, Houghton P, Jacobson N, Kirsner RS, Kovacs EJ, Margolis D, McFarland Horne F, Reed MJ, Sullivan DH, Thom S, Tomic-Canic M, Walston J, Whitney JA, Williams J, Zieman S, Schmader K. (2015). Chronic wound repair and healing in older adults: current status and future research. *Wound Repair and Regeneration* 1, 1-13. Reprinted in *Journal of the American Geriatrics Society*, 63(3), 427-438.
8. **Gardner SE**, Abbott LI, Fiala CA, Rakel BA. (2017). Factors associated with high pain intensity during wound care procedures: A model. *Wound Repair Regeneration* Aug;25(4):558-563. doi: 10.1111/wrr.12553. Epub 2017 Aug 14. PMID:28805960
9. Fiala, C.A., Abbott, L.I., Carter, C.D., Hillis, S.L., Wolf, J.S., Schuster, M., Dulski, R., Grice, E.A., Rakel, B.A. & **Gardner, S.E.** (2018). Severe pain during wound care procedures: A cross-sectional study protocol. *Journal of Advanced Nursing*, 74(8), 1964-1974. DOI: 10.1111/jan.13699
10. Tripp-Reimer, T., Williams, J.K **Gardner, S.**, Rakel, B., Herr, K., McCarthy, A.M., Hand, L., Gilbertson-White, S., & Cherwin, C. (2020) Integrated model of multimorbidity and symptom science, *Nursing Outlook* 68(4), 430-439.

*Book Chapters*

1. Buckwalter, K.C., & **Gardner, S.** (1998). Gerontological Care. In J. J. Fitzpatrick (Ed.), *Encyclopedia of Nursing Research* (pp.219-221). New York: Springer Publishing Company.
2. Frantz, R.A., & **Gardner, S.** (1999). Pressure ulcer care. In G. Bulechek & J. McCloskey (Eds.), *Nursing interventions: Effective nursing treatments*. W. B. Saunders.
3. **Gardner, S.E.** & Frantz, R. A. (2003). Wound bioburden. In S. Baronoski & E. A. Ayello (Eds.), *Wound care essentials: Practice principles*. Springhouse, PA: Lippincott, Williams, & Wilkins.
4. **Gardner, S.E.** & Frantz, R. A. (2007). Wound bioburden. In S. Baronoski & E. A. Ayello (Eds.), *Wound care essentials: Practice principles (2<sup>nd</sup> ed.)*. Springhouse, PA: Lippincott, Williams, & Wilkins.
5. **Gardner, S.E.** & Frantz, R. A. (2011). Wound bioburden and infection. In S. Baronoski & E. A. Ayello (Eds.), *Wound care essentials: Practice principles (3<sup>rd</sup> ed.)*. Springhouse, PA: Lippincott, Williams, & Wilkins.

*Reviews/Commentary*

1. Oelman, M., Brunsell, S., Rutherford, A., Erickson, D., **Gardner, S.**, Harp, J., Marshall, V., Mills, L., Minnick, K., Schlutte, M., Stephan, C., & Zahrt, L. (1990). [Review of Strategic management of nurses: A policy-oriented approach]. *Nursing Scan in Administration*, 5(3), 21-22.
2. **Gardner, S.E.** (2010). Expert Commentary: Ten top tips for taking a wound swab by Rose Cooper. *Wounds International*, 1(3), www.woundsinternational.com.

**C. Grant Funding****1. Training**

Title: GNRIC Predoctoral Fellowship  
 Role: Fellow  
 Funding Source: Gerontological Nursing Research Interventions Center (P30 NR03979)  
 Duration: 1994-1996  
 Amount:

Title: The University of Iowa Center on Aging Predoctoral Fellowship  
 Role: Fellow  
 Funding Source: Center on Aging  
 Duration: 1996-1997  
 Amount:

Title: Department of Veterans Affairs Office of Academic Affiliations Predoctoral Nurse Fellowship  
 Role: Fellow  
 Funding Source: Department of Veteran's Affairs  
 Duration: 1997-1999  
 Amount: \$50,000

Title: Department of Veterans Affairs Office of Academic Affiliations Postdoctoral Nurse Fellowship  
 Role: Fellow  
 Funding Source: Department of Veteran's Affairs  
 Duration: 2000-2002  
 Amount: \$86,000

**2. Intramural**

Title: The University of Iowa Old Gold Summer Fellowship  
 Role: *PI*  
 Funding Source:  
 Duration: 2003  
 Amount: \$6,000

Title: The University of Iowa Old Gold Summer Fellowship  
 Role: *PI*  
 Funding Source:  
 Duration: 2004  
 Amount: \$6,000

Title: Comparison of Diabetic Ulcer Bioburden Using Traditional Cultures vs. Microbial DNA.

Role: *Co-PI*  
 Funding Source: The University of Iowa Foundation Huss Faculty Development Fund  
 Duration: 2010-2012  
 Amount: \$4000

Title: TENs for Wound Pain  
 Role: *Co-PI*  
 Funding Source: The University of Iowa Foundation Development Fund  
 Duration: 2011-  
 Amount: \$26,000

### **3. Extramural**

Title: "An Examination of the Validity and Reliability of Three Methods to Quantify Necrotic Tissue."  
 Role: Principal Investigator  
 Funding Source: Sigma Theta Tau Gamma Chapter Research Grant  
 Duration: 1997-98  
 Amount: \$1,000

Title: "The Relationship Between Clinical Inflammation and Bacterial Burden in Chronic Wounds."  
 Role: Principal Investigator  
 Funding Source: Knoll Pharmaceutical Company  
 Duration: 1997-98  
 Amount: \$5,000

Title: "Discriminatory Value of Risk Factors of Chronic Wound Infection."  
 Role: Project Director  
 Funding Source: Gerontological Nursing Interventions Research Center (P30 NR03979)  
 Duration: 1998  
 Amount: \$10,000

Title: "The Validity of the Clinical Signs and Symptoms Used to Identify Localized Chronic Wound Infection."  
 Role: Principal Investigator  
 Funding Source: National Pressure Ulcer Advisory Panel Research Award  
 Duration: 1999  
 Amount: \$1,500

Title: "Chronic Wound Infection."  
 Role: Principal Investigator  
 Funding Source: Department of Veterans Affairs Office of Academic Affiliations Postdoctoral Nurse Fellowship  
 Duration: 2000-02  
 Amount: \$6,000

Title: "The Diagnostic Validity of Three Quantitative Swab Techniques."  
 Role: Principal Investigator  
 Funding Source: Department of Veterans Affairs Health Services Research and Development Nursing Research Initiative

Duration: 2001-04  
Amount: \$278,000

Title: "The Diagnostic Validity of Semi-quantitative Swab Cultures."  
Role: Principal Investigator  
Funding Source: Gerontological Nursing Interventions Research Center (P30 NR03979)  
Duration: 2004-05  
Amount: \$14,680

Title: "Center for Research in the Implementation of Innovative Strategies in Practice."  
Role: Core Investigator  
Funding Source: Department of Veterans Affairs Health Services Research and Development  
Duration: 2004-09  
Amount: \$3,599,000

Title: "Defining an Algorithm for Management of High Wound Bioburden in Diabetic Foot Ulcers."  
Role: Co-Principal Investigator  
Funding Source: 3M  
Duration: 2005-07  
Amount: \$149,000

Title: "Bioburden Predictors of Diabetic Ulcer Complications."  
Role: Principal Investigator  
Funding Source: NIH/NINR 1RO1NR009448  
Duration: 2007-2013 (NCE)  
Amount: \$3,000,000

Title: "The Measurement of Weight-bearing Activity and Activity- associated Pain in Persons with Prior Diabetic Foot Ulcers"  
Role: Co- Investigator, Mentor (PI: YL Jao)  
Funding Source: Wound, Ostomy, Continence Nursing Society, Molnlycke Health Care – WOCN® CCI Research Grant on Critically Colonized/Infected Chronic Wounds  
Duration: 2012-2013  
Amount: \$10,000

Title: "Severe pain during wound care procedures: Model and mechanisms"  
Role: PI  
Funding Source: NIH/NINR R01NR015642  
Duration: 2015-2021 (NCE)  
Amount: \$2,341,753

Title: "Decoding the microbial burden of diabetic foot ulcers: A metagenomic approach" (PI: Elizabeth Grice)  
Role: Co-investigator  
Funding Source: NIH/NINR  
Duration: 2015-2020  
Amount: \$807,000

Title: Pain and Associated Symptoms: Nurse Research Training (PI: Herr/McCarthy)  
Role: Core Faculty Member



Funding Source: NIH/NINR **T32 NR011147**  
 Duration: 2009-2021  
 Amount:

Title: *Center for Advancing Multimorbidity Science: Profiling risk and symptom expression to develop customized therapies for adults with multiple chronic conditions (CAMS)*

Role: MPI  
 Funding Source: NIH/NINR **1 P20 NR018081-01**  
 Duration: 2018-2023  
 Amount: \$1,900,000

Title: Severe Pain During Wound Care Procedures: Model and Mechanisms-  
 Opioid Tolerance supplement

Role: PI  
 Funding Source: NIH/NINR **R01 NR015642-04S1**  
 Duration: 2018-2020  
 Amount: \$218,000

Title: Decoding the microbial burden of diabetic foot ulcers

Role: Co-I and site PI  
 Funding Source: NIH/NINR **R01 NR015639**  
 Duration: 2019-2024  
 Amount: \$306,627

Title: *Center for Advancing Multimorbidity Science: Profiling risk and symptom expression to develop customized therapies for adults with multiple chronic conditions (CAMS)*

Role: PI  
 Funding Source: NIH/NIA Alzheimer's supplement  
 Duration: 2020-2021  
 Amount: \$249,000

D. Presentations (*\*databased, peer-reviewed presentations ; student/mentees*)

1. *International*

***International: Invited***

None

***International Research***

\*May 2013, [Haleem, A.](#), Gardner, S. E., & Schultz, J., "Concordance of nasal and diabetic foot ulcer staphylococcal colonization", Wound Healing Society, Denver, CO.

\*May 2013, Gardner, S. E., Hillis, S. L., Heilmann, K., & Grice, E. A., "The microbiota colonizing diabetic foot ulcers is associated with glycemic control, ulcer depth, and duration," International Investigative Dermatology Conference, Edinburgh, Scotland.

\*May 2015, S. E. Gardner<sup>2\*</sup>, M. Loesche<sup>1\*</sup>, B. P. Hodkinson<sup>1</sup>, A. S. Tyldsley<sup>1</sup>, J. Horwinski<sup>1</sup>, S. Boudhar<sup>3</sup>, D. Margolis<sup>1,3</sup>, E. A. Grice<sup>1</sup> CULTURE-INDEPENDENT MEASURES OF THE DIABETIC FOOT ULCER MICROBIOME PREDICT CLINICAL OUTCOMES, Wound Healing Society, San Antonio, TX.

\*April 2016, <sup>1</sup>Lindsay Kalan, <sup>1</sup>Michael Loesche, <sup>2</sup>Sue E. Gardner, <sup>1</sup>Joseph Horwinski, <sup>1</sup>Brendan Hodkinson, and <sup>1</sup>Elizabeth Grice. The fungal communities of diabetic foot ulcers, Wound Healing Society, Atlanta, GA. Oral presentation

\*September, 2018, Nakad, L., Wolf, J.S., Fiala, C.A., Abbott, L.I., Carter, C.D., Hein, M.L., Hillis, S.L., Rakel, B.A. & Gardner, S.E. *Psychological distress and wound pain during dressing changes*. Poster session presented at the International Association for the Study of Pain, World Congress on Pain, Boston, MA. Poster presentation.

## 2. National/Regional

### **National/Regional Invited**

September 2002, Gardner, S. E., & Frantz, R. A. "Detecting Wound Infections," 17<sup>th</sup> Annual Clinical Symposium on Advances in Skin and Wound Care, Dallas, TX., Invited Oral presentation.

October 2003, "Wound Infection," Clinical Symposium on Advances in Skin and Wound Care, Chicago, IL., Invited Oral presentation.

July, 2004, Gardner, S. E., Dolter, K., "Chemistry in Nursing Curricula, 18<sup>th</sup> Biennial Conference on Chemistry Education, Ames, IA , Invited Oral presentation.

April 2010, Gardner, S. E., Dowd, S., & Schultz, G., "Wound Diagnostics: The Future is Near", 23<sup>rd</sup> Annual Symposium on Advanced Wound Care, Orlando, FL, Invited Oral presentation

September 2010, Gardner, S. E., Dowd, S., & Schultz, G., "Wound Diagnostics: The Future is Near", 23<sup>rd</sup> Annual Symposium on Advanced Wound Care, Anaheim, CA, Invited Oral presentation

May, 2015, Gardner, S. E., & Grice, E. A., "Obtaining a Wound Culture: Getting the Right Drug to the Bug," Annual Symposium on the Advanced Wound Care, San Antonio, TX, Invited Oral presentation

### **National/Regional Research**

\*October 1991, Gardner, S. E., & Frantz, R. A "The Characteristics and Costs of Pressure Ulcer Treatment in Long Term Care," The Fourth National Conference of Nursing Administration Research, The University of Iowa College of Nursing, Iowa City, Iowa, Oral presentation.

\*November 1992, Gardner, S. E., & Frantz, R. A. The Characteristics and Costs of Pressure Ulcer Treatment in Long Term Care," 19th Annual Nursing Research Conference, Indiana University School of Nursing, Indianapolis, Indiana, Oral presentation

\*February 1995, Gardner, S. E., & Frantz, R. A. "Measurement of Partial and Full-thickness Ulcers: Critical Parameters of Healing," The 4<sup>th</sup> National Conference of the National Pressure Ulcer Advisory Panel, Washington, DC. , Poster

\*April 1997, Gardner, S. E., Frantz, R. A. & Richardson, "The Cost-effectiveness of an Intensive Pressure Ulcer Prevention Protocol in Long-term Care," 21st Annual Research Conference, Midwest Nursing Research Society, Minneapolis, MN, Oral presentation

\*September 1997, Gardner, S. E., Frantz, R. A., & Schmidt, F. "Electrical Stimulation and Wound Healing," Clarkson Center for Wound Healing, 1st Annual Wound Care Symposium, Omaha, NE, Invited, Oral presentation

- \*March 1998, Gardner, S. E., Frantz, R. A., & Schmidt, F. "The Effect of Electrical Stimulation on Chronic Wound Healing: A Meta-analysis," 22nd Annual Research Conference, Midwest Nursing Research Society, Columbus, OH, Poster
- \*February 1999, Gardner, S. E., Frantz, R. A., & Schmidt, F "The Effect of Electrical Stimulation on Chronic Wound Healing: A Meta-analysis," 6TH National NPUAP Consensus Conference, Orlando, Florida., Poster
- \*February 1999, Gardner, S. E., Frantz, R. A., & Schmidt, F "The Effect of Electrical Stimulation on Chronic Wound Healing: A Meta-analysis," 17<sup>th</sup> Annual Meeting of HSR&D, Washington, DC., Poster
- \*April 1999, Gardner, S.E., Frantz, R.A., Specht, J.K., Johnson-Mekota, J.L., Buresh, K.A., Wakefield, B.J., & Flanagan, J.R "Accuracy of Chronic Wound Assessments Using Interactive, Video Technology," 23<sup>rd</sup> Annual Research Conference, Midwest Nursing Research Society, Indianapolis, IN, Oral presentation
- \*March 2000, Gardner, S. E. "A Nurse Managed Chronic Wound Telehealth Clinic," 18<sup>th</sup> Annual HSR&D Service Meeting, Washington, DC., Poster
- \*April 2000, Gardner, S.E., Frantz, R. A., & Doebbeling, B. "The Validity of the Clinical Signs and Symptoms Used to Identify Localized Chronic Wound Infection," 24th Annual Research Conference, Midwest Nursing Research Society, Dearborn, MI., Poster
- \*October 2000, Gardner, S.E., Frantz, R. A., & Doebbeling, B. "The Validity of the Clinical Signs and Symptoms Used to Identify Localized Chronic Wound Infection," 15<sup>th</sup> Annual Clinical Symposium on Advances in Skin and Wound Management. Nashville, TN, Oral presentation
- \*August 2001, Thompson, E., Gardner, S. E., "Cardiopulmonary Arrests in Non-critical Care Areas of the Hospital: A 2-year analysis of outcome," 68<sup>th</sup> Annual Meeting of The American Association of Nurse Anesthetists, San Francisco, CA., Poster
- \*October 2003, Frantz, R. A., Gardner, S. E., & Squires, C. "Reliability of Acetate Tracings, Alginate Molds, and Computer Imaging for Measuring Wound Healing," Clinical Symposium on Advances in Skin and Wound Care, Chicago, IL, Poster
- \*October 2003, Gardner, S. E., Frantz, R. A., & Saltzman, C. "Relationship Between *Staphylococcus aureus* and Wound Bacterial Burden," Clinical Symposium on Advances in Skin and Wound Care, Chicago, IL., Poster
- \*February 2004, Gardner, S. E., Frantz, R. A., Hillis, S., Park, H., & Scherubel, M. "Diagnostic Validity of Three Quantitative Swab Techniques," 2004 Annual Midwest Nursing Research Conference. St. Louis, MO., Poster
- \*February 2004, Gardner, S. E., Frantz, R. A., Saltzman, C., & Park, H. "Association of *Staphylococcus aureus* with Localized Chronic Wound Infection," 2004 Annual Midwest Nursing Research Conference. St. Louis, MO, Oral presentation
- \*October 2005, Gardner, S. E., Frantz, R. A., Hillis, S., & Park, H. "Diagnostic Validity of Three Quantitative Swab Techniques for Identifying Chronic Wound Infection," 2005 20<sup>th</sup> Anniversary Clinical Symposium on Advances in Skin and Wound Care. LasVegas, NV.
- \*April 2006, Gardner, S. E., Frantz, R. A., Hillis, S., & Park, H. "Diagnostic Validity of Three Quantitative Swab Techniques for Identifying Chronic Wound Infection," 30<sup>th</sup> Annual MNRS Research Conference, Milwaukee, WI, Oral presentation

\*March 2007, Gardner, S. E., Frantz, R. A., & Hillis, S., "Diagnostic Validity of Semi-quantitative Swab Cultures," 31<sup>st</sup> Annual MNRS Research Conference, Omaha NE, Oral presentation

\*April 2010, Jao, Y., Gardner, S.E., Brown, T.M., & Thedens, J.T., "Total Contact Casts in Diabetic Foot Ulcers, Midwest Nursing Research Society, Kansas City, MO, poster.

\*April 2010, Gardner, S. E., Hillis, S. L., & Frantz, R. A., "A Prospective Study of the PUSH Tool in Diabetic Foot Ulcers," 23<sup>rd</sup> Annual Symposium on Advanced Wound Care, Orlando, FL, poster.

\*October 2011, Gardner, S. E., Grice, E. A., & Hillis, S. L., "Sequencing 16S Ribosomal RNA is a More Robust Measure of Diabetic Foot Ulcer Bioburden, NINR 25<sup>th</sup> Anniversary Celebration, Washington, D.C., poster

March 2012, Gardner, S.E., Grice, E. A., & Hillis, S. L., "Sequencing 16S Ribosomal RNA is a More Robust Measure of Diabetic Foot Ulcer Bioburden, Leveraging Resources for an Eastern Consortium on Microbiome Research, Drexel University, Philadelphia, PA, poster

\*April 2012, Gardner, S.E., Grice, E. A., & Hillis, S. L., "Sequencing 16S Ribosomal RNA is a More Robust Measure of Diabetic Foot Ulcer Bioburden", Midwest Nursing Research Society, Dearborn, MI, oral presentation

\*April 2012, \***Gardner, S. E.**, Frantz, R. A., Hillis, S. L., Blodgett, T. J., Femino, L. M., & Lehman, S. M. (2012). Volume measures using VeVMD are reliable in diabetic foot ulcers. Midwest Nursing Research Society, Dearborn, MI, oral presentation

\*April 2012, Jao, YL, Gardner, S.E., Femino, J. E., Phisitkul, P., Yack, J. H., & Teran-Yengle, P.C., "Risk Factors of Diabetic Foot Ulcer Recurrence", Midwest Nursing Research Society, Dearborn, MI, PhD student poster.

\*May 2012, Malloy, L., Borhart, E., Gardner, S. E., Blodgett, N., Abbott, L., Pezzella, P., Jensen, M., & Rakel, B., "High intensity TENS reduces pain during dressing changes on open wounds. A proof of concept study", American Pain Society, Honolulu, HI, student poster

\*April 2013, Schultz, J., Haleem, A., & Gardner, S. E., "Concordance of nasal and diabetic foot ulcer staphylococcal colonization", Great Plains Emerging Infectious Diseases, Iowa City, Iowa, student poster.

\*May 2013, Vu, B. G., Stach, C. S., Salgado-Pabon, W., Diekema, D. J., Gardner, S. E., & Schlievert, P. M., Superantigen profiles of Staphylococcus aureus isolates from diabetic foot ulcers," American Society of Microbiology Meeting, Denver, CO, oral presentation.

\*March 2014, Gardner, S.E. Jao, Y. L., Haleem, A., Hillis, S. L., Femino, J. E., Phisitkul, P. Prognostic Efficacy of Wound Bioburden in Predicting Healing Outcomes for People with Diabetic Foot Ulcers. Midwest Nursing Research Society Annual Conference, St. Louis, MO, oral presentation

\*March 2014, Jao, Y.L., Gardner, S.E., Carr, L. J., Haedtke, C., Liang, I. C., Pruitt, L., Laheta, L. The validity of ActiPAL and ActiGRAPH in measuring weight-bearing activities in persons with prior diabetic foot ulcers. Midwest Nursing Research Society Annual Conference, St. Louis, MO, student oral presentation

\*May 2016, Bohr, N., Rakel, B. A., Kolker, S. J., Sluka, K., & Gardner, S. E. Cytokine expression in wound fluid: A pilot study. American Pain Society 35<sup>th</sup> Annual Scientific Meeting, Austin, TX, poster.

\*July 20, 2016. Schurmer, R., Guetschow, B., Ripoli, M., Tennant, J, Gardner, S. E., Phisitkul, P., & Femino, J. Conservative Sharp Wound Debridement by Nurses in the Outpatient Management of Diabetic Foot ulcers: Safety Efficiency and Economic Analysis. American Orthopedic Foot and Ankle Society Annual Meeting, Toronto Canada. Oral

\*April 7, 2016. Cate Fiala, Meghan Schuster, Sue E. Gardner, Cheryl Carter, Jessica Wolf, and Linda Abbott. Data Collection Challenges in an Academic Medical Center: Tales from the Bedside. Symposium for Advancement of Wound Care Meeting, San Diego, CA. poster.

March, 2019. Gardner, S.E. and Rakel, B.A. Integrated Model of Multimorbidity and Symptom Science. Midwest Nursing Research Society, Kansas City, KS. Oral presentation

2023, March Bae, J., Campbell, A., Ahmed, B., Hein, M., Hillis, S. L., Grice, E., Rakel, B. A., & **Gardner, S. E.** Relationship of opioid tolerance to clinical factors, wound microenvironment, and pain. Midwest Nursing Research Society. Des Moines, IA.

### 3. Local

#### **Local Invited**

1998, Gardner, S. E., "The Validity of Clinical Signs and Symptoms Used to Identify Localized Chronic Wound Infection: A Proposal. Brown Bag Luncheon, Research Week, Iowa City VAMC, Iowa City, IA., Invited.

April 1998, Gardner, S. E. "Statistics and Measurement," 5th Annual Multidisciplinary Research Utilization Conference, University of Iowa Hospitals and Clinics, Iowa City, IA., Invited

#### **Local Research**

\*August 1996, Gardner, S. E., Frantz, R. A., & Schmidt, F "The Effect of Electrical Stimulation on Chronic Wound Healing: A Meta-analysis," Gerontological Nursing Interventions Research Conference, The University of Iowa Gerontological Nursing Research Interventions Research Center, Iowa City, IA.

\*April 1997, Gardner, S. E., Frantz, R. A., & Schmidt, F "The Effect of Electrical Stimulation on Chronic Wound Healing: A Meta-analysis," Association of Graduate Nursing Students Research Day, The University of Iowa College of Nursing, Iowa City, IA., Poster

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## III. SERVICE

### **A. Professional Service**

#### *1. Professional Organization Membership*

American Nurses' Association

Iowa Nurses' Association

Midwest Nursing Research Society

Sigma Theta Tau International

Wound, Ostomy, Continence Nurses Society

Wound Healing Society

American Academy of Nursing

## 2. Professional Organization Service

- 2010-2011 Chair, Physiological Phenomena Research Section, Midwest Nursing Research Society
- 2011 Member, Abstract Review Subcommittee, Wound Healing Society
- 2011 Member, Membership Committee, Wound Healing Society
- 2012-2015 Co-Chair, Membership Committee, Wound Healing Society
- 2018-20 Co-Chair, Program Committee, Annual Wound Healing Society Meeting

## 3. Advisory Boards/Task Forces/Expert Panels

- 2002-05 VA Nursing Research Advisory Group, Department of Veterans Affairs, Washington, DC
- 2003 Consensus panel on wound infection criteria, Buckinghamshire Chilterns University College, United Kingdom
- 2007 National Pressure Ulcer Advisory Panel-European Pressure Ulcer Advisory Panel: Committee to develop guidelines on the assessment and treatment of infection. Chair: Catherine Ratliff, PhD, RN
- 2009 Expert Panel on Future Approaches to Health Promotion and Disease Prevention, NINR, Bethesda, Maryland
- 2009 Faculty for Gerontological Nursing Research Summer Scholars Seminar, John A. Hartford Centers for Geriatric Nursing Excellence, Little Rock, Arkansas
- 2013-2014 Association of Specialty Professors (ASP) Workshop on Wound Repair and Healing in Older Adults (U13 to set NIH research agenda on this topic).

## 4. Journal Reviewer

- 2003-present Journal of Wound, Ostomy, Continence Nursing
- 2005 Annals of Behavioral Medicine
- 2006 The University of Iowa College of Nursing Research Translation and Dissemination Core: EBP Guidelines
- 2009 Clinical Infectious Diseases
- 2010-2011 Physical Therapy Journal
- 2012-2012 Biological Research for Nursing
- 2012-2012 Journal of American Medical Directors Association
- 2012-2012 Research in Nursing and Health (review panel)
- 2012 Journal of the European Academy of Dermatology and Venereology
- 2012 International Journal of Diabetes in Developing Countries
- 2013 British Journal of Dermatology
- 2014-2014 Advances in Wound Care
- 2014-2014 Clinical Microbiology and Infection
- 2014-2015 Wound Repair and Regeneration
- 2015-2015 Nursing Research

## 5. Editorial Boards

- 2013-2018 Biological Research for Nursing

## 6. Editorships

- 2013-2014 Guest Editor, Advances in Wound Care, Issue on Microbiome and wounds

## 7. Grant Review Panels

- 2002 Biological Sciences Funding Program, The University of Iowa Office of the Vice President for Research
- 2005 Dutch Technology Foundation STW

- 2007 American Diabetes Research Funding Program
- 2010 University of Iowa Institute for Clinical and Translational Science, Clinical Research Unit
- 2013 Dermatology, Rheumatology and Inflammation [ZRG1 MOSS T12] Small Business Applications/National Institutes of Health
- 2018 Special Emphasis Panel [2018/10 ZDK1 GRB-1 (O2) 1] RFA DK-17-014, Diabetic Foot Consortium - Clinical Research Units (U01)/NIDDK/ National Institutes of Health
- 2018 Special Emphasis Panel/Scientific Review Group 2019/01 ZRG1 MOSS-C (12) B, Small Business Applications/National Institutes of Health
- 2020 Special Emphasis Panel/Scientific Review Group 2019/01 ZRG1 MOSS-C (12) B, Small Business Applications/National Institutes of Health

#### 8. Consultations

- 2003 Liberty Country Living, North Liberty, IA
- 2006 3M Company, Minneapolis, MN
- 2008 McGraw Hill
- 2007 ECI Biotech, Inc. Worcester, MA

### B. Collegiate and University Service

#### 1. College of Nursing

- 1998-00 Member, Iowa-VA Nursing Research Consortium
- 2003-06 Scholarship Subcommittee, Academic Council, College of Nursing
- 2004-08 Member, Faculty Council
- 2006-07 Faculty Workload Subcommittee, Faculty Council, College of Nursing
- 2006 Search Committee: Director PhD Program, College of Nursing
- 2007 Search Committee: Systems and Practice Secretary
- 2008-10 Chair, Faculty Council
- 2008-10 Chair, Promotion and Tenure Task Force, Faculty Council
- 2008-10 Space Committee
- 2009 BSN Curriculum Task Force
- 2009-11 PhD Admissions and Progression Committee
- 2010-11 Academic Council
- 2010 BSN NCLEX Review Committee
- 2011-12 Member, By-laws Revisions Task Force
- 2012- Faculty Coordinator, BSN Young Scientist Program
- 2012-15 Co-Chair, Council on Curriculum
- 2012-14 Chair, Promotion and Tenure Subcommittee of Council on Faculty
- 2012-15 Member, Research Advisory Group
- 2012-13 Member, Nominations Subcommittee of Council on Faculty
- 2013-2016 Faculty Advisor, Early Admission Undergraduates (Class of 2016)
- 2013-2017 Member, Promotion and Tenure Subcommittee of Council on Faculty
- 2015-2018 Chair, PhD Admissions and Progression Subcommittee of Council on Student Affairs
- 2016-2018 Chair, Council Chairs and Co-Chairs
- 2016-2018 Chair, College of Nursing Faculty Organization

- 2018-2019 Co-Chair, College of Nursing Faculty Organization
- 2020- Member, Promotion and Tenure Subcommittee
- 2020- Co-Chair, Council on Faculty
- 2021-2022 Chair, Canal Review Committee (Dean Zerwic)
- 2022- Chair, Council on Faculty
- 2022- Member, Bylaws Subcommittee, Council on Faculty

## 2. University of Iowa

- 2002 Reviewer, Biological Sciences Funding Program, Office of the Vice President for Research, The University of Iowa
- 2002-05 Research and Development Committee, Veterans Affairs Medical Center, Iowa City, IA
- 2009-14 University of Iowa Faculty Senate
- 2010-11 Fellow, CIC Academic Leadership Program
- 2011-14 University of Iowa Faculty Council
- 2013 Member, Michael Brody Service Award Selection Committee
- 2013-15 Member, Committee on Committees
- 2016 Member, OVPR: Research Misconduct Case
- 2014-2019 Member, Committee on the Selection of Central Administration
- 2018 Member, Committee to Review Vice Presidents Office of External Relations
- 2020-2022 Member, Graduate Council

## C. Community Service

- 1995 Wound Healing and Treatment, Washington Community Hospital, Washington, IA
- 2003 Pressure Ulcer Scale for Healing (PUSH) (CEU Offering), VA Central Health Care System, Knoxville, IA (January 15-16).
- 2003 Skin and Wound Care in the Elderly, Liberty Country Living (Dementia-specific Residential Care Facility), North Liberty, IA (May 20)
- 2020- Co-Founder, Iowa City Sober Living

## IV. TEACHING

### A. Course Instruction

Semester	University	Assigned Courses	Brief Description
Fall 2002, 2003, 2004, 2005, 2006, 2007, 2008 Spring 2007, 2008, 2010	University of Iowa	96:114 Pathophysiology: Organ Systems	3 s.h. Physiology and Pathology didactic course on organ systems for pre-licensure programs (BSN and MNHP). 70 – 150 students
Spring 2003, 2004, 2005, 2006	University of Iowa	96:115 Pathophysiology: Cellular, Immune, Neuro	3 s.h. Physiology and Pathophysiology didactic course on cellular processes, immune function, and neurology for pre-licensure programs (BSN and MNHP). 70 – 150 students.
Spring 2004, 2005, 2006	University of Iowa	96:185 Internship in Care Management	14 s.h. Clinical internship course for MNHP students. Includes seminar



Fall 2004, 2005	University of Iowa	96:213 Physiology for Advanced Nursing Practice	and oversight of clinical preceptorship. (MNHP)-Precepted Clinical. 15 students 3. s.h., Physiology course for masters-level nursing students (MSN)-Didactic. 30 students
Fall 2002, 2008, 2010, 2011	University of Iowa	96:410 Nursing Research of Biological Phenomena and Interventions for the Elderly	3 s.h. Biology of aging for doctoral students with focus on gerontological nursing. Physiological measurement included (PhD)-didactic. 6-10 students
Fall 2012	University of Iowa	96:308 DNP Capstone	Varied s.h. DNP Project Coordination for 50 students. Co
Fall 2014,	University of Iowa	96:117 Pathology	3 s.h. for RN-BSN students. Online course. 39 students
Fall 2014, Spring 2015, Spring 2016, Fall 2016, Spring 2017	University of Iowa	96:133: Professional Roles II: Research	3. s.h. for RN-BSN students. Online course. 19 students
Spring 2019; Spring 2021, Spring 2022, Spring 2023	University of Iowa	NURS: 7404 Biological Markers in Health Research	3 s.h. for PhD students. Face to face. 4-7 students.

## B. Students Mentored

### PostDoctoral

2023-2024

Chelsea Howland

### PhD Student Advisor/Research Residency

2004-2006

H. Park

2004-2013

Tom Blodgett

2009-2014

Ying-Ling Jao

2010-2016

Deb Burdsall

2015-2017

Nicole Bohr

2017-2019

Lynn Nakad

2017-2021

Bootan Ahmed Husain

2018-2019

Jemmie Hoang

2019-2024

Jaewon, Bae

### PhD Dissertations

2011

Kari Lane

Member

2013

Tom Blodgett

Chair

2014

Ying-Ling Jao

Co-Chair

2014

Charlene Aarons

Member

2016

Deborah Burdsall

Chair

2018

Catherine Fiala

Member

### PhD Comprehensive Exams

2009

Tom Blodgett

Chair

2010

Charlene Aarons

Member

2010

Kari Lane

Member

2011	Shalome Tonelli	Member
2012	Ying-Ling Jao	Member
2012	Deb Burdsall	Chair
2013	Catherine Fiala	Member
2014	Deb Shibley	Member
2014	Chris Haedtke	Member
2022	Meina	Member
2023	Jae Baewon	Chair
2023	Jimmie Hoang	Co-Advise

DNP Projects-

2011	Sharon Coji	Member
2012	Stephanie Eason	Member
2013	Theresa Jennings	Member
2013	Amanda Peacock	Member
2013	Catherine Odum	Member

MSN Theses/Projects

2006	Cheryl Bombei	Portfolio Committee Member
2006	Jacqueline DePooter	Project Committee Member
2006	Marge Jensen	Project Committee Member
2006	Tom Woods	Project Committee Member
2006	Tom Blodgett	Project Chair

BSN Honors Projects

2003	Catie Squires
2008	Laurie Bailey
2008	Haley Bell
2008	Teri Byl
2009	Taylor Brown
2010	Kelly Metcalf
2011	Lanae Van Sloten,
2011	Shannon Metge
2013	Lisa Pruitt
2015	Marissa Ripoli
2016	Mercedes Stahl
2017	Meghan Schuster

BSN Young Scientist Mentor

2011-2012	Lynna Malloy
2011-2012	Ellen Borhart
2015-	Meghan Schuster

BSN Independent Study

2013	Jennifer Laheta
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**C. Faculty Mentored**

2004	K. Dogson, Microbiology Department, CCOM
2012-2014	Amb Haleem, Hospital Epidemiology, UIHC
2015-	Catherine Cherwin, College of Nursing
2016-2018	Andrea Achenbach, College of Nursig

2018- Chooza Moon, College of Nursing  
2019 Allison Chi, College of Nursing  
2022- Young-Eun Cho, College of Nursing