

JANUARY 2018 CENTER FOR NURSING RESEARCH NEWSLETTER

SPOTLIGHT

Andrea Yevchak Sillner, PhD, GCNS-BC, RN, is an assistant research professor in the College of Nursing. She is also affiliated with the Center for Health Organization and Transformation, housed in the College of Engineering. Dr. Sillner received her Ph.D. in nursing in 2013 from Penn State, where she focused on improving care and communication for older adults with dementia and delirium and their informal family caregivers. Before coming to Penn State, she was an assistant professor in the School of Nursing at Duquesne University in Pittsburgh.

Dr. Sillner's research focuses on three areas: (1) person-centered, preference-based interventions for improving communication among health care providers, patients, and family members; (2) technology-based communication strategies; and (3) communication and care transitions for persons with delirium and delirium superimposed on dementia. Her professional clinical experiences and interactions with patients and family members led her to focus on improving care transitions and communication through the use of technology.

Recently, Dr. Sillner was awarded support from The Gordon and Betty Moore Foundation for an Early-Career Investigator Award in Patient and Family Engagement. The purpose of the proposed project is twofold: (1) develop a new subscale for the Preferences for Everyday Living Inventory (PELI) that addresses preferred technology-assisted communication (TAC) approaches for older adults receiving community-based home health care and their informal caregivers, and (2) understand the person, provider, and environmental contextual factors that may influence the use of technology-assisted communication. This project will result in a tool, P-TAC, that can be used to describe TAC preferences among older adults with multiple chronic conditions. Dr. Sillner will be mentored by Drs. Kimberly Van Haitsma and Marie Boltz for this project. In addition, she is working with Dr. Jacquie Mogle from the College of Nursing and Dr. Conrad Tucker from the College of Engineering. For more information, visit: <https://www.moore.org/investigator-detail?investigatorId=sillner-ph.d.-gcns-bc-rn>

AWARDS AND HONORS

Dr. Kimberly Van Haitsma received the Outstanding Contribution to Psychology in Long-Term Care Award from the organization Psychologists in Long-Term Care, Inc. (PLTC).

Dr. Lisa Kitko was promoted to associate professor with tenure.

Dr. Lisa Kitko was inducted as a Fellow in the American Academy of Nursing.

PUBLICATIONS

K. M. Abbot, L. R. Bangerter, S. Humes, R. Klumpp, and K. Van Haitsma. 2017. "It's important, but ...": Perceived barriers and situational dependencies to social contact preferences of nursing home residents. *Gerontologist*. DOI: <https://doi.org/10.1093/geront/gnx109>

W. Alonso, J. E. Hupcey, and L. Kitko. 2017. Caregivers' perceptions of illness severity and end-of-life service utilization in advanced heart failure. *Heart & Lung: The Journal of Acute and Critical Care* 46(1):35–39. doi: 10.1016/j.hrtlng.2016.09.001. PMID: 27788935. NIHMSID: 820704.

M. Boltz, T. Chippendale, K-H. Lee, and R. Trotta. 2017. The influence of family caregiver factors upon preadmission functional decline in hospitalized persons with dementia. *Archives of Gerontology and Geriatrics* 74:49–54.

M. Boltz, K-H. Lee, and K. Van Haitsma. 2017. Person-centered acute care: What organizational factors matter? *Innovations in Aging* 1(S1). Presented at the 21st International Association of Gerontology and Geriatrics (IAGG) World Congress, San Francisco, Calif., July 25, 2017.

H. Buck, J. Hupcey, J. Mogle, and M. K. Rayens. 2017. Caregivers' heart failure knowledge is necessary but not sufficient to assure engagement with patients in self-care maintenance. *Journal of Hospice and Palliative Nursing* 19(2):170–176. doi: 10.1097/NJH.0000000000000326.

H. Buck, J. E. Hupcey, and A. Watach. 2017. Pattern vs. change: Community-based dyadic heart failure self-care. *Clinical Nursing Research* doi:10.1177/10547738168817.

E. Capezuti, M. Boltz, J. A. M. Tejada, and M. Malone. 2017. Models of care. In *Principles and Practice of Geriatric Surgery*, 3rd edition, ed. R. A. Rosenthal, M. E. Zenilman, and M. R. Katlic, 1–9. New York: Springer-Verlag.

J. Flanagan, M. Boltz, P. Grace. 2017. Ethical issues in advanced practice nursing: Caring for adults and older adults. In *Nursing Ethics and Professional Responsibility in Advanced Practice*, ed. P. Grace, 293–312. Burlington, Mass: Jones & Bartlett Learning.

N. Hill, C. McDermott, J. Mogle, E. Munoz, N. DePasquale, R. Wion, and E. Whitaker. 2017. Subjective cognitive impairment and quality of life: A systematic review. *International Psychogeriatrics* 22:1–13.

N. Hill, J. Mogle, R. Wion, E. Kitt-Lewis, J. Hannan, R. Dick, and C. McDermott. 2017. App-based attention training: Incorporating older adults' feedback to facilitate home-based use. *International Journal of Older People Nursing*, e-pub ahead of print.

N. Hill, J. Mogle, R. Wion, A. Kolanowski, D. Fick, L. Behrens, P. Mulhall, and J. McDowell. 2017. When study participants are vulnerable: Getting and keeping the right team. *Nurse Researcher* 25(2):10–18.

A. Kolanowski. 2017. Implementation science for person-centered dementia care. *Central European Journal of Nursing and Midwifery* 8(4):706–707. Invited.

A. M. Kolanowski, M. Boltz, E. Galik, L. Gitlin, H. Kales, B. Resnick, K. Van Haitsma, A. Knehans, J. Sutterlin, J. Sefcik, W. Liu, D. Petrosky, L. Massimo, A. Gilmore-Bykovskiy, M. MacAndrew, G. Brewster, V. Nalls, Y.-L. Jao, N. Duffort, and D. Scerpella. 2017. Determinants

of behavioral and psychological symptoms of dementia: A scoping review of the evidence. *Nursing Outlook* 65(5):515–529.

K. H. Lee, M. Boltz, H. Lee, and D. Algase. 2017. Is an engaging or soothing environment associated with the psychological well-being of people with dementia in long-term care? *Journal of Nursing Scholarship* 49(2):135–142.

S. J. Loeb, J. Penrod, V. H. Myers, B. L. Baney, S. M. Strickfaden, E. Kitt-Lewis, and R. Wion. 2017. Enhancing care of aged and dying prisoners: Is e-Learning a feasible approach? *Journal of Forensic Nursing* 13(4):178–185.

M. MacAndrew, E. Beattie, A. M. Kolanowski, M. O'Reilly, and E. Fielding. 2017. Observing wandering-related boundary transgressions in persons with severe dementia. *Aging & Mental Health* 21(11):1197–1205.

M. Majd, J. E. Graham-Engeland, J. M. Smyth, M. J. Sliwinski, R. B. Lipton, M. J. Katz, and C. G. Engeland. 2018 Distinct inflammatory response patterns are evident among men and women with higher depressive symptoms. *Physiology and Behavior* 184:108–115.

L. Massimo, E. Munoz, N. Hill, J. Mogle, P. Mulhall, C. McMillian, L. Clare, D. Vandenberg, D. Fick, and A. M. Kolanowski. 2017. Genetic and environmental factors associated with delirium severity in older adults with dementia. *International Journal of Geriatric Psychiatry* 32(5):574–581.

J. Mogle, N. Hill, and C. McDermott. 2017. Subjective memory in a national sample: Predicting psychological well-being. *Gerontology* 63(5):460–468.

J. Mogle, E. Munoz, N. Hill, J. Smyth, and M. Sliwinski. 2017. Daily memory lapses in adults: Characterization and influence on affect. *Journal of Gerontology: Psychological Sciences*, e-pub ahead of print.

J. Nicholas Dionne-Odom, S. A. Hooker, D. Bekelman, D. Ejem, G. McGhan, L. Kitko, A. Stromberg, R. Wells, M. Astin, Z. G. Metin, G. Mancarella, S. V. Pamboukian, L. Evangelista, H. G. Buck, and M. A. Bakitas. 2017. Family caregiving for persons with heart failure at the intersection of heart failure and palliative care: A state-of-the-science review. *Heart Failure Reviews* 22(5):543–557. doi: 10.1007/s10741-017-9597-4.

B. Parke, M. Boltz, K. Hunter, et al. 2017. A scoping literature review of dementia-friendly hospital design. *The Gerontologist* 57(4)e62-e74. doi: <https://doi.org/10.1093/geront/gnw128>.

C. N. Pinto, L. D. Dorn, V. M. Chinchilli, P. Du, and G. Chi. 2017. Rural counties chlamydia and gonorrhea rates in Pennsylvania among adolescents and young adults. *Annals of Epidemiology* doi: 10.1016/j.annepidem.2017.08.018.

L. M. Pyter, D. B. McKim, Y. Husain, H. Calero, J. P. Godbout, J. F. Sheridan, P. T. Marucha, and C. G. Engeland. 2018. Effects of dermal wounding on distal primary tumor immunobiology in mice. *Journal of Surgical Research* 221:328–335.

P. Spigelmeier, J. E. Hupcey, C. A. Smith, S. J. Loeb, and L. Kitko. 2017. Resistiveness to care as experienced by family caregivers providing care for someone with dementia. *Journal of Nursing Scholarship* doi: 10.1111/jnu.12345. PMID 28914991.

J. P. Tavares, P. Sá-Couto, M. Boltz, and E. Capezuti. 2017. Identification of seniors at risk (ISAR) in the emergency room: A prospective study. *International Journal of Emergency Nursing* DOI: 10.1016/j.ienj.2017.05.008.

A. Yevchak-Sillner, D. Fick, A. M. Kolanowski, J. McDowell, T. Monroe, A. LeViere, and L. Mion. 2017. Implementing nurse-facilitated person-centered care approaches for patients with delirium superimposed on dementia in the acute care setting. *Journal of Gerontological Nursing* 43(12):21–28.

PRESENTATIONS and INVITED TALKS

W. Alonso, L. Kitko, J. Mogle, C. Lee, and J. E. Hupcey. Rural–urban comparison of VAD-related hospitalization risk and survival in the six months following device implantation. American Heart Association Scientific Sessions, Anaheim, Calif., November 2017.

B. Birriel, L. Kitko, J. Hupcey, M. McGowen, and S. J. Loeb. Principles of surrogate decision making during critical illness: Center on the family. American Society for Bioethics and Humanities Conference, Kansas City, Mo., October 22, 2017.

M. Boltz (chair). How can organizations promote person-centered care? International and cross-setting perspectives. Symposium at the 21st International Association of Gerontology and Geriatrics (IAGG), San Francisco, Calif., July 25, 2017.

M. Boltz. Qualitative and mixed methods. CEDARTREE/NIDUS 5th Annual Delirium Boot Camp, November 1, 2017.

M. Boltz. Dementia-related transitions in the United States: Context, implications, and strategies. Keynote address at the Penn State College of Nursing Center of Geriatric Nursing Excellence Conference, Juniper Village, October 12, 2017.

M. Evans, J. Hupcey, L. Kitko, and H. D. Johnson. Frequency and severity of reported symptoms for persons living with stage D heart failure. Poster presentation at Greater Pittsburgh Nursing Research Conference, Pittsburgh, Pa., October 2017.

R. Fortinsky and A. M. Kolanowski. Research on care needs and supportive approaches for persons with dementia. National Research Summit on Dementia Care, Washington, D.C., October 16–18, 2017.

- J. E. Hupcey. The use of cardiac technology: Perspectives of patients and families. Conference on Cardiovascular Disease, National Heart Foundation of Bangladesh, Dhaka, Bangladesh, December 2017.
- J. E. Hupcey. Disparity in utilizing health care services between men and women in the United States. Conference on Cardiovascular Disease, National Heart Foundation of Bangladesh, Dhaka, Bangladesh, December 2017.
- L. Kitko. Caregivers' perceptions of illness. Heart Failure Society of America Annual Scientific Sessions, Dallas, Texas, September 2017.
- L. Kitko. The palliative care needs of patients and caregivers with an LVAD-DT: The final destination. American Heart Association Scientific Sessions, Anaheim, Calif., November 2017.
- A. Kolanowski and M. Roes. Applying implementation science to improve behavioral and psychological symptoms of distress. Hartford Leadership Conference, State of the Future in Global Aging, Dementia and Mental Health: Bridging Leadership, Science, Practice and Policy, San Francisco, Calif., July 23, 2017.
- A. Kolanowski. Cognitive activities for delirium superimposed on dementia: A randomized clinical trial. International Association of Gerontology and Geriatrics, San Francisco, Calif., July 26, 2017.
- A. Kolanowski. Building nursing science: Collaboration between the Health Sciences Library and the College of Nursing. Penn State Milton S. Hershey Medical Center, Hershey, Pa., August 7, 2017.
- A. Kolanowski. Delirium superimposed on dementia: Improving transitions through health care settings. Public lecture at Bradford University, Bradford, United Kingdom, August 30, 2017.
- A. Kolanowski. The evidence integration triangle: An implementation framework for long-term care. Witten University Doctoral Program in Nursing, Witten, Germany, September 9, 2017.
- A. Kolanowski. Methodological issues with video data capture. German Center for Neurodegenerative Diseases (DZNE), Witten, Germany, September 14, 2017.
- A. Kolanowski. Research recommendations for improving care transitions. Juniper Village, State College, Pa., October 12, 2017.
- A. Kolanowski. Challenging cognitive symptoms in persons living with dementia. Kessler Rehabilitation Center and Foundation, West Orange, N.J., November 16, 2017.
- S. J. Loeb, V. Myers, B. Baney, S. Strickfaden, E. Kitt-Lewis (presenter), R. Wion, T. Jerrod, and J. Penrod. Enhancing care of the aged and dying in prisons: The process of going to scale. Peer-reviewed podium presentation, 10th Annual Conference on Dissemination and Implementation in Health, Arlington, Va., December 4-6, 2017.

S. J. Loeb, V. Myers, B. Baney, S. Strickfaden, E. Kitt-Lewis, R. Wion, and J. Penrod. Going to scale: Shaping care of aged and dying prisoners. Peer-reviewed e-poster presentation, 2017 Transforming Health, Driving Policy Conference, American Academy of Nursing, Washington, D.C., October 5-7, 2017.

L. Massimo, H. Kales, and A. Kolanowski. State of the science: Apathy as a model for investigating behavioral and psychological symptoms in dementia. Hartford Leadership Conference, State of the Future in Global Aging, Dementia and Mental Health: Bridging Leadership, Science, Practice and Policy, San Francisco, Calif., July 22, 2017.

S. Miyamoto. Pennsylvania Sexual Assault Forensic Examination Telehealth (SAFE-T) Center. Poster, Women's Health Research Day, Penn State, November 2017.

S. Miyamoto. The SAFE-T Center—Telemedicine and virtual training: Promoting quality forensic care in Pennsylvania rural communities. Podium presentation, International Conference on Forensic Nursing Science and Practice, Toronto, Canada, October 2017.

S. Miyamoto. The Pennsylvania Sexual Assault Forensic Examination Telehealth (SAFE-T) Center. Invited talk, Pennsylvania House of Representatives Children and Youth Committee Briefing, Harrisburg, Pa., December 2017.

S. Miyamoto. Invited panelist, *The Turn Out* film screening and trafficking awareness event, November 2017.

S. Miyamoto. Use of technology to promote evidence-based programs. Invited talk, Scientific Synergy & Innovation from Military Family & Child Welfare Contexts, Penn State Child Maltreatment Solutions Network, September 2017.

FUNDED AWARDS

K. Scherf (PI), L. Dorn (Co-I), P. Molenaar (Co-I), and S.-M. Chow (Co-I). Investigating dynamic neural systems underlying changing social representations of faces during development. National Institute of Mental Health. 1 R01 MH112573-01, 6/26/2017—4/30/2022. \$3,085,553.

S. Loeb (PI) and V. Myers (Co-I). E-training of inmate peer caregivers for enhancing geriatric and end-of-life care in prisons. Klein Buendel, Inc., through National Institute on Aging. 1 R41 AG057239-01, 8/1/2017—7/31/2018. \$225,000.

S. Loeb (PI). Three years to a Ph.D. Robert Wood Johnson Foundation Future of Nursing Scholars, 8/1/2018—7/31/2021. \$150,000.

D. Almeida (PI) and J. Mogle (Co-I). Integrative pathways to health and illness. University of Wisconsin—Madison through National Institute on Aging. 5 U19 AG051426-02, 7/15/2017—5/31/2021. \$24,205,157.

M. Sliwinski (PI), J. Smyth (Co-I), and J. Mogle (Co-I). Einstein Aging Study, Project 3: Ambulatory Cognitive Assessment. Albert Einstein College of Medicine through National Institutes of Health. 5 P01 AG003949-33, 6/1/2017—5/31/2018. \$757,254.

A. Yevchak-Sillner (PI); J. Mogle, K. Van Haitsma, C. Tucker, and M. Boltz (Mentors). Assessing preferences for communicating with technology: A person-centered approach to managing multiple chronic conditions. Gordon and Betty Moore Foundation. 5301, 11/30/2017—11/29/2020. \$492,124.

C. Pinto, S. Miyamoto, and S. Font (Co-I's). Incidence rates and risk factors for commercial sexual exploitation of children (CSEC) in rural and urban counties in Pennsylvania. Commonwealth of Pennsylvania: Center for Rural Pennsylvania. 1/8/2018—12/23/2018. \$49,953.

S. Miyamoto (PI); D. Perkins, J. McCall-Hosenfeld, L. Dorn, D. Scanlon, C. Richardson, and L. Davis (Co-I's). Pennsylvania Sexual Assault Forensic Examination Training (SAFE-T) Center (supplement to the original award). U.S. Department of Justice. 10/1/2017—9/30/2020. \$3,000,000.

SUBMITTED PROPOSALS

K. Buss (PI); K. Perez-Edgar, N. Ram, M. Wadsworth, and L. Dorn (Co-I's). Biobehavioral trajectories of social anxiety from early to middle adolescence. National Institutes of Health 7/1/2018—6/30/23. \$3,729,501.

L. Dorn (PI); A.-M. Chang, O. Buxton, and M. DeSouza (Co-I's). Impact of sleep extension on bone biomarkers in late adolescence: A pilot feasibility study. National Institutes of Health. 9/1/2018—8/31/2020. \$435,327.

D. Fick and M. Boltz (MPIs); J. Hupcey, L. Kitko, S. Loeb, J. Mogle, L. Dorn, K. Van Haitsma, and N. Hill (Co-I's). Penn State Center for Pragmatic Solutions in Complex Multiple Chronic Conditions and Cognitive Impairment. National Institute of Nursing Research. 7/1/2018—6/30/2023. \$2,770,263.

D. Gray-Miceli (PI) and M. Boltz (Co-I). Engage nursing home residents, family caregivers, and nursing staff in falls prevention. Florida Atlantic through the Centers for Medicare & Medicaid Services. 3/1/2018—8/31/2019. \$16,093.

Y.-L. Jao (PI); L. Kitko and J. Mogle (Co-I's). Apathy in nursing home residents with Alzheimer's disease and related dementias: A mixed methods approach to examine the impact of care environments. National Institutes of Health. 9/1/2018—8/31/2020. \$453,854.

J. Neiderhiser (PI) and L. Dorn (Co-I). An adoption study of the development of early substance use: The joint roles of genetic influences, prenatal risk, rearing environment, and pubertal maturation. National Institutes of Health. 7/1/2018—6/30/2023. \$3,801,350.

J. Werner and E. Kitt-Lewis (Co-I's). Oscillated needle insertion with Active-Cymbal Cannulator Enabling Single Stick (ACCESS) system. Actuated Medical, Inc., through U.S. Department of the Army. 3/1/2018—2/29/20. \$94,347.

B. Resnick and M. Boltz (MPIs). Implementation of FFC-AC-EIT in acute care. University of Maryland, Baltimore, through the National Institutes of Health. 7/1/2018—6/30/2023. \$950,033.