

CURRICULUM VITAE

Gee Su Yang, PhD, RN

Assistant Professor

University of Connecticut
School of Nursing
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EDUCATION AND TRAINING

Year	Degree	Institution	Location
10/2017 – 08/2020	Postdoctoral Fellow	University of Florida College of Nursing	Gainesville, FL
08/2012 – 05/2017	PhD	University of Maryland School of Nursing	Baltimore, MD
09/2008 – 02/2012	MS	Seoul National University College of Nursing	Seoul, South Korea
03/2004 – 02/2008	BS	Seoul National University College of Nursing	Seoul, South Korea

CURRENT LICENSE AND CERTIFICATION

Year	Source	Type	License & Certification Number
2020 – Present	State of Connecticut Board of Nursing	RN	173891
2017 – 2020	State of Florida Board of Nursing	RN	RN9470684
2017 – Present	American Heart Association	BLS provider	
2014 – Present	State of New York Board of Nursing	RN	690643
2008 – Present	Ministry of Health and Welfare, South Korea	RN	247382

2008 – Present	Ministry of Education, Science and Technology, South Korea	School Nurse	19147
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PROFESSIONAL EXPERIENCE

Year	Position	Institution	Location
08/2020 –	Assistant Professor	University of Connecticut School of Nursing	Storrs, CT
2017 – 2020	Postdoctoral Fellow	University of Florida College of Nursing	Gainesville, FL
2012 – 2017	Graduate Research Assistant	University of Maryland School of Nursing	Baltimore, MD
2011 – 2012	Teaching Assistant	Seoul National University College of Nursing	Seoul, South Korea
2010 – 2011	Registered Nurse	Asiana Airlines Medical Service Team	Seoul, South Korea
2008 – 2010	Registered Nurse	Asan Medical Center Pulmonary Department	Seoul, South Korea

HONORS AND AWARDS

2022	Butler-Williams Scholar National Institutes of Health/National Institute on Aging
2022-2023	Heilbrunn Nurse Scholar The Rockefeller University Heilbrunn Family Center for Nursing Research
2021	Scholarship Facilitation Fund University of Connecticut Office of the Vice President for Research (OVPR)
2020	Grant Development Summer Stipends for New Investigators Award University of Connecticut Institute for Collaboration on Health, Intervention, and Policy (InCHIP)
2020	Roberta Scofield Memorial Certification Award The Oncology Nursing Certification Corporation (ONCC)
2016	Alumni Scholarship Seoul National University Alumni Association (Greater Washington DC area)
2015	Alumni Scholarship Seoul National University Alumni Association (Greater Washington DC area)

- 2015 **Student Research Facilitation Award**
University of Maryland School of Nursing, Biology & Behavior Across the
Lifespan (BBAL) Center of Excellence
- 2015 **Mia Loizeaux Scholarship**
University of Maryland School of Nursing
- 2014 **Travel Award**
University of Maryland School of Nursing, Doctoral Student Organization
- 2013 **Mia Loizeaux Scholarship**
University of Maryland School of Nursing
- 2012 – 2014 **Dean Scholarship**
University of Maryland School of Nursing

RESEARCH

- 09/2022-06/2024 **R01NR018595** (\$1,107,093)
National Institutes of Health/National Institute of Nursing Research
(Role: site PI [University of Connecticut], MPI:
Dorsey/Renn/Starkweather)
Project: Neurophysiological and transcriptomic predictors of chronic low back
pain: Towards precision pain management (NEAT Study)
- 12/2022-12/2024 **RE03 Research Grant** (\$50,000)
Oncology Nursing Foundation (Role: PI)
Project: Longitudinal relationships between the gut microbiome and
psychoneurological symptoms in immunotherapy treatments
- 07/2022-06/2023 **Mi Ji Kim Research Grant** (\$10,000)
Global Korean Nursing Foundation-USA (Role: PI)
Project: Examining the role of gut microbiome and the moderating effect of
COVID-19 stressors in aromatase inhibitor-associated musculoskeletal
symptoms: A longitudinal pilot study
- 06/2022-03/2023 **Cervical Cancer and Screening Research Grant** (\$10,000)
Healthy Americas Research Consortium of the Healthy Americas
Foundation (Role: PI)
Project: Examining the association of COVID-19 stressors and resilience with
Pap and HPV screening in Hispanic women: Implications for post-pandemic
strategies
- 07/2022-06/2024 **Heilbrunn Nurse Scholar Award** (\$25,000)
The Rockefeller University Heilbrunn Family Center for Research
Nursing (Role: PI)
Project: Investigating the effect of social determinants of health and intestinal
microbiome on psychoneurological symptoms among patients on
immunotherapy

- 10/2021-09/2023 **Research Grant (\$5,000)**
American Society for Pain Management Nursing (Role: PI)
 Project: Pain and Other Comorbid Symptoms Profile and Gut Microbiome Characterization in Cancer Patients on Immunotherapy
- 07/2021-06/2023 **Seed Grant (\$15,000)**
UConn Institute for Collaboration on Health, Intervention, and Policy (InCHIP) (Role: PI)
 Project: Linking the Gut Microbiome, Lifestyle Habits, and Musculoskeletal Symptoms in Breast Cancer Survivors on Aromatase Inhibitors
- 03/2021-03/2022 **Dean's Award for Seed Grants (\$9,000)**
UConn School of Nursing (Role: PI)
 Project: The Relationship of Gut Microbiome Composition with Aromatase Inhibitor-Associated Musculoskeletal Symptoms: A Pilot Study
- 01/2021- Present **Scholarship Facilitation Fund (\$2,000)**
UConn OVPR (Role: PI)
 Project: Investigation of Circadian Clock Genes: Mechanisms Underlying Contribution of Sleep Disturbances to Pain in Breast Cancer Survivors on Aromatase Inhibitors
- 2018-2020 **F32 Ruth L. Kirschstein National Research Service Award Individual Postdoctoral Fellowship (\$110,283 [Total amount: \$180,778])**
National Institutes of Health/National Institute of Nursing Research (Role: PI)
 Project: Biopsychosocial Correlates of Aromatase Inhibitor-Associated Musculoskeletal Symptoms in Breast Cancer
 (Sponsor: Debra E. Lyon, Co-Sponsor: Roger B. Fillingim)
- 2018-2020 **R56HL127175/ NIH-NHLBI (Role: Nurse Fellow [Co-I], PI: John Williamson)**
 Project: Brain and cognition effects of cardio-resynchronization therapy in heart failure
- 2018 **University of Florida Institute on Aging (Role: Co-I, PI: Debra E. Lyon)**
 Project: Neuroinflammation and cognitive dysfunction in older women with breast cancer
- 2017 – 2018 **University of Florida/Collaboration with NIH-NINR (Role: Staff, PI: Debra Lynch Kelly)**
 Project: Relationship of mitochondrial enzymes in cancer-related fatigue
- 2015-2017 **Nursing Research Grant (\$5,000)**
American Nurses Foundation/Midwest Nursing Research Society (Role: PI)
 Project: Genetic Mechanisms of Aromatase Inhibitor-Associated Arthralgia

- 2014-2016 **Purdue Pharmaceuticals Trish Greene Pain Assessment and Management Grant** (\$25,000)
Oncology Nursing Society Foundation (Role: PI)
 Project: New Treatment Strategies for Aromatase Inhibitor-Associated Arthralgia
- 2014-2016 (NCE) **Doctoral Student Research Grant** (\$1,500)
Sigma Theta Tau International Honor Society of Nursing, Pi Chapter (Role: PI)
 Project: Pain Characteristics and Signaling Pathways in Aromatase Inhibitor-Associated Arthralgia

SCHOLARSHIP

Publications

Peer Reviewed Journal Articles

1. **Yang, G. S.**, Yang, K., Weaver, M. T., Kelly, D. L., Dorsey, S. G., & Lyon, D. E. (2023). Exploring the relationship of DNA methylation age measures and psychoneurological symptoms in women with early-stage breast cancer. *Supportive Care in Cancer*, *31*(1), 1-12.
2. Adhikari, B., Starkweather, A., Xu, W., Acabchuk, R. L., Ramesh, D., Eze, B., Yang, Y., **Yang, G.S.**, Walker, J., Laubenbacher, R. & Park, C. L. (2022). A feasibility study on yoga's mechanism of action for chronic low back pain: psychological and neurophysiological changes, including global gene expression and DNA methylation, following a yoga intervention for chronic low back pain. *Pilot and feasibility studies*, *8*(1), 1-16.
3. **Yang, G. S.**, Starkweather, A. R., Kelly, D. E., Meegan, T., Byon, H. D., & Lyon, D. E. (2022). Longitudinal analysis of sleep disturbance in breast cancer survivors. *Nursing Research*, *71*(3), 177-188.
4. Bayer, S., **Yang, G. S.**, & Lyon, D. E. (2022). Genetic variations associated with depressive symptoms in breast cancer patients: A systematic review. *Cancer Nursing*, *45*(1), E197-E205.
5. Kim, J. L., **Yang, G. S.**, Lyon, D. E., Kelly, D. L., & Stechmiller, J. K. (2021). Metabolomics: Impact of comorbidities and inflammation on sickness behaviors for individuals with chronic wounds. *Advances in Wound Care*, *10*(7).
6. Menzies, V. S., Starkweather, A. R., Yingwei, Y., Kelly, D. L., Garrett, T. J., **Yang, G. S.**, Booker, S., Swift-Scanlan, T., Mahmud, I., & Lyon, D. E. (2021). Exploring associations between metabolites and symptoms of fatigue, depression and pain in women with fibromyalgia. *Biological Research for nursing*, *23*(1), 119-126.
7. **Yang, G. S.**, Mi, X., Jackson-Cook, C. K., Starkweather, A. R., Kelly, D. L., Fei, Z., & Lyon, D. E. (2020). Differential DNA methylation following chemotherapy for breast cancer is associated with cognitive dysfunction. *Epigenetics*, *15*(5), 499-510.
8. Han, C. J., **Yang, G. S.**, & Syrjalal, K. (2020). Symptom experiences in colorectal cancer survivors after cancer treatments: A systematic review and meta-analysis. *Cancer Nursing*. *43*(3), E132-E158.

9. **Yang, G. S.**, Barnes, N. M., Lyon, D. E., Dorsey, S. G. (2019). Genetic variants associated with cancer pain and response to opioid analgesics: Implications for precision pain management. *Seminars in Oncology Nursing*, 35(3), 291-299.
10. Gullett, J. M., Cohen, R. A., **Yang, G. S.**, Menzies, V. S., Fieo, R., Kelly, D. L., Starkweather, A. R., Jackson-Cook, C. K., & Lyon, D. E. (2019). Relationship of fatigue with cognitive performance in women with early-stage breast cancer over two years. *Psychooncology*. 28(5), 997-1003.
11. Menzies, V. S., Kelly, D. L., **Yang, G. S.**, Starkweather, A. R., & Lyon, D. E. (Epub Ahead of Print). A systematic review of the association between fatigue and cognition in chronic noncommunicable diseases (NCDs). *Chronic Illness*.
12. Kelly, D. L., **Yang, G. S.**, Starkweather, A. R., Siangphoe, U., Delpesch, P. A., & Lyon, D. E. (Epub Ahead of Print). Relationships among fatigue, anxiety, depression, and pain and health-promoting lifestyle behaviors in women with early-stage breast cancer. *Cancer Nursing*.
13. **Yang, G. S.**, Kumar, S., Dorsey, S. D., Starkweather, A. R., Kelly, D. L., & Lyon, D. E. (2019). Systematic review of genetic polymorphisms associated with psychoneurological symptoms in breast cancer survivors. *Supportive Care in Cancer*, 27(2), 351-371.
14. Kim, H. J., **Yang, G. S.**, Greenspan, J. D., Downton, K. D., Griffith, K. A., Renn, C. L., ... & Dorsey, S. G. (2016). Racial and ethnic differences in experimental pain sensitivity: Systematic review and meta-analysis. *Pain*, 158(2), 194-211.
15. **Yang, G. S.**, Kim, H. J., Griffith, K. A., Zhu, S., Dorsey, S. G., & Renn, C. L. (2016). Interventions for the Treatment of Aromatase Inhibitor-Associated Arthralgia in Breast Cancer Survivors: A Systematic Review and Meta-analysis. *Cancer Nursing*, 40(4), E26-E41.
16. Han, C. J., & **Yang, G. S.** (2015). Fatigue in irritable bowel syndrome: A systematic review and meta-analysis of pooled frequency and severity of fatigue. *Asian Nursing Research*, 10(1), 1-10.
17. Griffioen, M. A., Dernetz, V. H., **Yang, G. S.**, Griffith, K. A., Dorsey, S. G., & Renn, C. L. (2015). Evaluation of dynamic weight bearing for measurement non-evoked inflammatory hyperalgesia in mice. *Nursing Research*, 64(2).
18. **Yang, G. S.**, & Choe, M. A. (2013). Effect of anorexia and neuropathic pain induced by cisplatin on hindlimb muscles of rat. *Journal of Korean Academy Nursing*, 43(3), 361-369.

Book Chapter

1. Starkweather, A. R., **Yang G. S.**, Kelly, D. L., Lyon, D. E. (2020). Genomics of Breast Cancer and Treatment-Related Pain and Comorbid Symptoms. In: Dorsey, S., Starkweather, A. (eds). *Genomics of Pain and Co-Morbid Symptoms*. Springer, Cham
2. **Yang, G. S.**, Renn, C. L., & Dorsey, S. G. (2019). Chapter 21: Cancer-related neuropathies and neuropathic pain. In *Cancer Survivorship: Interprofessional, Patient-Centered Approaches to the Seasons of Survival*. Curtiss, C. P. & Haylock, P. J., eds. Oncology Nursing Society.

Conference Meetings/Presentations

1. **Yang, G. S.**, Li, A., Graziano, T., Starkweather, A. R., & Cong, X. (2023, April). *Association of social determinants of health and COVID-19-related behaviors with cervical cancer screening in Hispanic women* [Poster presentation]. 48th Oncology Nursing Society Congress, San Antonio, TX.
2. **Yang, G. S.**, Starkweather, A. R., Kelly, D. L., & Lyon, D. E. (2021, April). *Sleep disturbances and associated factors among breast cancer survivors: A 2-year longitudinal study* [Oral presentation]. 46th Oncology Nursing Society Congress (Best late-breaking abstract)
3. **Yang, G. S.**, Griffith, K. A., Lessans, S., Dorsey, S. G., & Renn, C. L. (2021, February). *Development of a clinically relevant animal model of aromatase inhibitor-associated arthralgia* [Poster presentation]. ONS/NCI/NINR Symptom Science Colloquium, virtual event.
4. **Yang, G. S.**, Meegan, T., Xu, W., & Starkweather, A. R. (2021, February). *Quantitative sensory testing in the assessment of pain in cancer patients: A systematic review and meta-analysis* [Poster presentation]. ONS/NCI/NINR Symptom Science Colloquium, virtual event.
5. **Yang, G. S.**, Weaver, M. T., Kelly, D. L., Starkweather, A. R., Yang, K., Jackson-Cook, C. K., & Lyon, D. E. (2020, March). *Intrinsic biology and lifestyle behavior may predict telomere length in women receiving chemotherapy for breast cancer* [Poster discussion]. 34th Annual Conference of the Southern Nursing Research Society, New Orleans, LA (Cancelled due to COVID-19)
6. Han, C. J., **Yang, G. S.**, Reding, K., & Syrjala, K. L. (2018). A systematic review of symptom experiences in survivors of colorectal cancer. *Journal of Clinical Oncology*, 36(34), 186.
7. Barnes, N. M., **Yang, G. S.**, & Lyon, D. E. (2019, April). *Genetic variants associated with cancer pain and response to opioid analgesics: Implications for precision pain management* [Poster presentation]. 2nd University of Florida College of Nursing Annual Nursing Research Summit and Malasanos Lectureship, Gainesville, FL.
8. **Yang, G. S.**, Griffith, K.A., Lessans, S., Lyon, D. E., Dorsey, S. G., & Renn, C. L. (2019, February). *Effects of curcumin on aromatase inhibitor-associated musculoskeletal symptoms in an animal model* [Podium presentation]. 33rd Annual Conference of the Southern Nursing Research Society, Orlando, FL.
9. Lyon D. E., Jackson-Cook, C., Starkweather, A. R., Zou, F., Mi, X., **Yang, G. S.**, & Kelly, D. L. (2018, September). *Association between acquired DNA methylation alterations and memory in women with early-stage breast cancer* [Podium presentation]. Council's 2018 State of the Science Congress on Nursing Research, Washington D.C.
10. **Yang, G. S.**, Yang, B. K., Renn, C. L., Dorsey, S. D., & Zhu, S. (2016, February). *Impacts of vigorous physical exercise on pain in U.S. older adults: A longitudinal analysis of the Health and Retirement Study from 1998 to 2012* [Podium presentation]. 30th Annual Conference of the Southern Nursing Research Society, Williamsburg, VA.
11. **Yang, G. S.**, Kim, H. J., Griffith, K. A., Dorsey, S. D., & Renn, C. L. (2015, November). *Interventions for the Treatment of Aromatase Inhibitor-Associated Arthralgia in Breast Cancer Survivors: A Meta-Analysis* [Poster Presentation]. Washington Regional Nursing Research Consortium 6th Annual Doctoral Student Research Conference, Washington D.C.

12. Kim, H. J., **Yang, G. S.**, & Thomas, S. A. (2014, November). *Interventions for preventing depression in ethnic minorities in the United States: A systematic review* [Poster Presentation]. Washington Regional Nursing Research Consortium 5th Annual Doctoral Student Research Conference, Washington D.C.
13. **Yang, G. S.**, Kim, H. J., & Renn, C. L. (2014, November). *Pain management on aromatase inhibitor-associated arthralgia in breast cancer survivors: A systematic review* [Poster Presentation]. Washington Regional Nursing Research Consortium 5th Annual Doctoral Student Research Conference, Washington D.C.
14. **Yang, G. S.**, Griffioen, M. A., Dernetz, V. H., Griffith, K. A., Dorsey, S. G., & Renn, C. L. (2014, March). *Reliability of measurement tools used in the inflammatory hyperalgesia mouse model* [Poster Presentation]. University of Maryland 36th Annual Graduate Research Conference, Baltimore, MD.
15. Griffioen, M. A., **Yang, G. S.**, Dernetz, V. H., Griffith, K. A., Dorsey, S. G., & Renn, C. L. (2014, February). *Evaluation of dynamic weight bearing for measuring non-evoked inflammatory hyperalgesia in mice* [Poster Presentation]. 28th Annual Conference of the Southern Nursing Research Society, San Antonio, TX.
16. Griffioen, M. A., **Yang, G. S.**, Dernetz, V. H., Griffith, K. A., Dorsey, S. G., & Renn, C. L. (2013, April). *Validation of dynamic weight bearing apparatus as a measurement tool for inflammatory pain in mice* [Poster Presentation]. University of Maryland 35th Annual Graduate Research Conference, Baltimore, MD.
17. **Yang, G. S.**, & Choe, M. A. (2013). *Effect of anorexia and neuropathic pain induced by cisplatin on hindlimb muscles of rat* [Poster Presentation]. Research Institute of Nursing Science of Seoul National University the 9th International Conference, Seoul, South Korea.

Invited Presentation/Talk

1. **Yang, G.S.** (2023, May). *Investigating the effect of social determinants of health and intestinal microbiome on psychoneurological symptoms among patients on immunotherapy*. The Rockefeller University of Hospital Heilbrunn Family Center for Research Nursing Symposium, virtual.
2. Cong, X., Xu, W., Carter, E., **Yang, G. S.**, & Starkweather, A. R. (2021, February). *Collaborative research during pandemic and management of shared biobehavioral research laboratory* [Webinar]. Eastern Nursing Research Society.
3. Starkweather, A. R. & **Yang, G. S.** (2021, September). *Integrating Genomics in Nursing Research* [Webinar]. U.S. Veterans Affairs Nursing Research Field Advisory Committee.

Ad Hoc Reviewer

Journal

2023-	Sleep Health
2022-	Chronic Illness
2022-	PLOS ONE
2021-	Biological Research for Nursing
2021-	Epigenetics

2021- Journal of Clinical Medicine
 2021- Cancers
 2020 - Journal of Professional Nursing
 2019 - Supportive Care in Cancer
 2019- Breast Cancer: Targets and Therapy Journal

Grant

2022 UConn IDEA undergraduate student grant
 2021 UConn Center for Advancement in Managing Pain (CAMP) Trainee Pain Grant
 2019 Oncology Nursing Society Foundation Dissertation Research Grant

Abstract

2023 The Gerontology Society of America Conference
 2021, 2022 International Society of Nurses in Genetics (ISONG) Congress
 2020 ONS/NCI/NINR Symptom Science Colloquium
 2019 Southern Nursing Research Society Conference
 2017, 2018 Oncology Nursing Society Annual Congress

MEMBERSHIP IN PROFESSIONAL SOCIETIES

2022 – Present The Gerontology Society of America
 2021 – Present American Association for Cancer Research (AACR) – Active member
 2021 – Present Eastern Nursing Research Society (ENRS)
 2019 – Present International Society of Nurses in Genetics (ISONG)
 2019 – Present American Society for Pain Management Nursing (ASPMN)
 2018 – 2020 American Pain Society (APS)
 2017 – Present International Association for the Study of Pain (IASP)
 2015 – Present American Nurses Association (ANA)
 2015 – 2019 Midwest Nursing Research Society (MNRS)
 2014 – Present Sigma Theta Tau International Honor Society of Nursing Pi Chapter (-2020), Mu Chapter (2020-)
 2013 – 2020 Southern Nursing Research Society (SNRS)
 2013 – Present Oncology Nursing Society (ONS)

TEACHING AND MENTORING

Class teaching

Spring 2023 NURS 5870: Health Policy and Populations-based Advocacy for the Scholarship of Application (3 credits)
 Fall 2022 NURS 3205: Nursing Research and Evidence-Based Practice (3 credits)
 NURS 4305: Nursing Research and Evidence-Based Practice (3 credits)
 NURS 5012: Nursing Science and Patterns of Knowing in Advanced Nursing Practice (3 credits)

- Spring 2022 NURS 5012: Nursing Science and Patterns of Knowing in Advanced Nursing Practice (3 credits)
- Fall 2021 NURS 3205: Nursing Research and Evidence-Based Practice (3 credits)
 NURS 4305: Nursing Research and Evidence-Based Practice (3 credits)
 NURS 5012: Nursing Science and Patterns of Knowing in Advanced Nursing Practice (3 credits)

Guest lecture

- Spring 2019 Topic: Postdoc experience and transition to faculty (NGR 7835: Nurse Scientist and Scholar II)
 University of Florida College of Nursing
- Spring 2017 Topic: Non-NRSA grant application process (NURS 880: Interdisciplinary Research Center Seminar)
 University of Maryland School of Nursing
- Fall 2016 Topic: Measurement concepts and issues on preclinical research (NURS 811: Measurement of Nursing Phenomena)
 University of Maryland School of Nursing
- Fall 2016 Topic: The importance of submitting NRSA applications (NURS 802: Research and scholarship Seminar)
 University of Maryland School of Nursing
- Spring 2016 Topic: Non-NRSA grant application process (NURS 880: Interdisciplinary Research Center Seminar)
 University of Maryland School of Nursing
- Fall 2015 Topic: Bench Science – The new window to nursing research (PhD Student Lunch and Learn seminar)
 University of Maryland School of Nursing
- Spring 2015 Topic: Non-NRSA grant application process (NURS 880: Interdisciplinary Research Center Seminar)
 University of Maryland School of Nursing

Clinical Instructor/Teaching Assistant

- Spring 2011- Summer 2012 Topic: Adult Health Nursing
 Seoul National University College of Nursing, Seoul, South Korea

Mentoring/Advisement

- Spring 2023 **Independent study**
 Graduate students (Master’s students)
 University of Connecticut School of Nursing

- Spring 2022 **Independent study**
Undergraduate student (College of Liberal Arts and Sciences)
University of Connecticut
- 2018 - 2020 **Research mentor**
Undergraduate students in conducting honors theses
University of Florida College of Nursing
- 2016 - 2017 **Mentor**
Peer mentorship program, Doctoral Student Organization
University of Maryland School of Nursing
- 2014 - 2015 **Co-leader**
PhD Student Lunch and Learn, BBAL Center of Excellence
University of Maryland School of Nursing

SERVICE

University of Connecticut School of Nursing

- 09/2022 - Present Member, Merit Committee
- 08/2021 - Present Member, Scholarship and Research Committee
- 08/2021 - Present Other Student Nurses Association Advisor

University of Connecticut

- 08/2021 – 05/2022 Facilitator, Inclusive STEM Teaching Project (supported by National Science Foundation), UConn Center for Excellence in Teaching and Learning