

# HONGJIN LI, PhD, MS, BSN

University of Illinois Chicago  
 College of Nursing, Human Development Nursing Science (MC 802)  
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## Education and Training

### **Undergraduate**

2009 - 2013	University of Missouri-St. Louis College of Nursing St. Louis, MO	BSN 2013	Nursing
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### **Graduate**

2013 - 2015	Columbia University Mailman School of Public Health New York, NY	MS 2015	Masters in Biostatistics
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2016 - 2019	University of Pittsburgh School of Nursing Pittsburgh, PA	PhD 2019	Nursing
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2019 - 2021	University of Illinois at Chicago College of Nursing Chicago, IL	Postdoc	Nursing
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## Appointments and Positions

### **Academic**

2021- now	University of Illinois Chicago College of Nursing	Assistant Professor
2017 - 2019	University of Pittsburgh School of Nursing	Graduate Student Researcher
2017 - 2018	University of Pittsburgh School of Nursing	Teaching Assistant/Fellow
2016 - 2017	University of Pittsburgh School of Nursing	Graduate Student Assistant

08/2014 - 12/2014	Columbia University Mailman School of Public Health	Teaching Assistant/Fellow
05/2014 - 08/2014	UTMB - Center for Interdisciplinary Research in Women's Health	Biostatistician Summer Internship
08/2012 - 05/2013	University of Missouri-St. Louis College of Nursing	Clinical Research Assistant
<b>Non-Academic</b>		
2015 - 2016	Peking University Healthcare Industry Group Co., LTD	Research Specialist
2011 - 2013	Barns-Jewish Hospital, St. Louis, MO	Student Nurse
05/2012 - 08/2012	Hubei Cancer Center, Wuhan, China	Student Nurse

### Honors and Awards

2020	Rockefeller University Heilbrunn Scholar Research Award
2020	UIC Postdoctoral Fellow Travel Award
2019	American Cancer Society Scholarship for Doctoral Study
2018	Sigma Theta Tau International Eta Chapter Research Award
2018	Ruth and Bill Fincki PhD Student Research Award
2017	Bessie Li Sze Memorial Scholarship
2013	Dean's list, University of Missouri-St. Louis

### Publications

(\*data based publication; all publications peer-reviewed)

#### Published

\*Liu, T., Li, H., Conley, Y. P., Primack, B. A., Wang, J., Lo, W. J., & Li, C. (2022). A genome-wide association study of prediabetes status change. *Frontiers in Endocrinology*, 13, Article 881633. <https://doi.org/10.3389/fendo.2022.881633>

\*Liu, T., Li, H., Conley, Y. P., Primack, B. A., Wang, J., & Li, C. (2022). The BDNF functional polymorphism and hand grip strength impact the association between BDNF levels and cognition in older adults in the United States. *Biological Research for Nursing*, 24(2), 226-234. <https://doi.org/10.1177/10998004211065151>

Li H., Schlaeger J.M., Jang M.K., Lin Y., Park C., Liu T., Sun M., & Doorenbos A.Z. (2021). Acupuncture improves multiple treatment-related symptoms in breast cancer survivors: a systematic review and meta-analysis. *J Altern Complement Med*. Published online August 27, 2021. doi: 10.1089/acm.2021.0133

Mathew, A., Tirkey, A. J., **Li, H.**, Steffen, A., Lockwood, M. B., Patil, C. L., & Doorenbos, A. Z. (2021). Symptom Clusters in Head and Neck Cancer: A Systematic Review and Conceptual Model. *Seminars in Oncology Nursing*, 37(5), 151215. DOI:10.1016/j.soncn.2021.151215

\***Li H.**, Patil C.L., Molokie R.E., Njoku F., Steffen A.D., Doorenbos A.Z., & Schlaeger J.M. (2021). Acupuncture for chronic pain in adults with sickle cell disease: a mixed-methods pilot study. *Acupunct Med*. Published online June 3, 2021. doi:10.1177/09645284211017303

\***Li, H.**, Flynn, D.M., Highland, K.B., Burke, L.A., Mcquinn, H.M., Steffen, A.D., & Doorenbos, A.Z. (2021). Pattern of Cumulative Treatment Hours on Pain Impact and PROMIS Outcomes. *Military Medicine*. DOI: 10.1093/milmed/usab142

\***Li, H.**, Flynn, D.M., Highland, K.B., Barr, P.K., Langford, D.J., & Doorenbos, A.Z. (2021). Relationship between Post-Traumatic Stress Disorder Symptoms and Chronic Pain Related Symptom Domains among Military Active Duty Service Members. *Pain Medicine*, 22(12), 2876-2883.

Jang, M.K., Chung, D., Hamlish, T., Rhee, E., Mathew, A., **Li, H.**, & Doorenbos, A.Z. (2021). Factors influencing mammography uptake following a screening intervention among Asian American women: A systematic review. *Journal of Immigrant and Minority Health*, 23(6), 1293-1304.

**Li, H.**, Liu, Y., Heinsberg, L., Lockwood, M., Wainwright, A.D., Jang, M. K, & Doorenbos, A.Z. (2020). Systematic Review of the Kynurenine Pathway and Psychoneurological Symptoms Among Adult Cancer Survivors. *Biological Research for Nursing*, 22(4), 472-484.

\***Li, H.**, Marsland, A. L., Conley, Y. P., Sereika, S. M., & Bender, C. M. (2020). Genes Involved in the HPA Axis and the Symptom Cluster of Fatigue, Depressive Symptom and Anxiety in Women with Breast Cancer During 18 Months of Adjuvant Therapy. *Biological Research for Nursing*, 22(2), 277-286.

Mathew, A.S., Doorenbos, A.Z., **Li, H.**, Jang, M.K., Park, C., & Ulf, B.G. (2020). Allostatic Load in Cancer: A Systematic Review and Mini Meta-analysis. *Biological Research for Nursing*, 23(3), 341-361.

Liu, T., **Li, H.**, Colton, J., Ge, S., & Li, C. (2020). The BDNF Val66Met polymorphism, regular exercise, and cognition: A systematic review. *Western Journal of Nursing Research*, 42(8), 660-673.

Doorenbos, A. Z., Jang, M. K., **Li, H.**, & Lally, R. M. (2020). eHealth enhancing clinical oncology nurse education and teaching. *Clinical Journal of Oncology Nursing*, 24(3), 42-48.

\*Jang, M.K., Park, C., Hong, S., Laddu, D.R., **Li, H.**, Rhee, E., & Doorenbos, A.Z. (2020). Skeletal Muscle Mass Loss during Cancer Treatment: Differences by Race and Cancer Site. *Oncology Nursing Forum*, 47(5): 557-566.

Jang, M.K., Park, C., Hong, S., **Li, H.**, Rhee, E., & Doorenbos, A.Z. (2020). Skeletal Muscle Mass Change During Chemotherapy: A Systematic Review and Meta-analysis. *Anticancer Research*, 40(5), 2409-2418.

\*Faramand, Z., **Li, H.**, Al-Rifai, N., Frisch, S. O., Abu-Jaradeh, O., Mahmoud, A., & Al-Zaiti, S. (2020). Association between history of cancer and major adverse cardiovascular events in patients with chest pain presenting to the emergency department: a secondary analysis of a prospective cohort study. *European Journal of Emergency Medicine*.

\***Li, H.**, Sereika, S. M., Marsland, A. L., Conley, Y. P., & Bender, C. M. (2019). Symptom Clusters in Women with Breast Cancer During the First 18 Months of Adjuvant Therapy. *Journal of Pain and Symptom Management*, 59(2), 233-241.

\***Li, H.**, Sereika, S. M., Marsland, A. L., Conley, Y. P., & Bender, C. M. (2019). Impact of Chemotherapy on Symptoms and Symptom Clusters in Postmenopausal Women with Breast Cancer Prior to Aromatase Inhibitor Therapy. *Journal of Clinical Nursing*, 28(23-24):4560-4571.

**Li, H.**, Ge, S., Greene, B., and Dunbar-Jacob, J. (2019). Depression in the context of chronic diseases in the United States and China. *International Journal of Nursing Sciences*, 6(1), 117-112.

\***Li, H.**, Ji, M., Scott, P., & Dunbar-Jacob, J. M. (2019). The Effect of Symptom Clusters on Quality of Life Among Patients With Type 2 Diabetes. *The Diabetes Educator*, 45(3), 287-294.

\*Frisch SO, Faramand, Z, **Li, H.**, Abu-Jaradeh, O, Martin-Gill, C, Callaway C, and Al-Zaiti S. (2019). Prevalence and Predictors of Delay in Seeking Emergency Care in Patients Who Call 9-1-1 for Chest Pain. *Journal of Emergency Medicine*, 57(5), 603-610.

Knisely, M. R., Maserati, M., Heinsberg, L. W., Shah, L. L., **Li, H.**, Zhu, Y., ... & Conley, Y. P. (2019). Symptom Science: Advocating for Inclusion of Functional Genetic Polymorphisms. *Biological research for nursing*, 1099800419846407.

\*Ge, S., Wei, Z., Liu, T., Wang, J., **Li, H.**, Feng, J., & Li, C. (2018). Alcohol use and cognitive functioning among middle-aged and older adults in China: Findings of the China health and retirement longitudinal study baseline survey. *Alcoholism: Clinical and Experimental Research*, 42(10), 2054–2060.

Engberg, S., & **Li, H.** (2017). Urinary incontinence in frail older adults. *Urologic Nursing*, 37(3), 119-125. doi:10.7257/1053-816X.2017.37.3.119

### **Submitted**

Li, H., Lockwood, M.B., Schlaeger, J.M., Liu, T., Danciu, O.C., Doorenbos, A.Z. (Submitted 8/9/22). Tryptophan and Kynurenine Pathway Metabolites and Psychoneurological Symptoms Among Breast Cancer Survivors. *Pain Management Nursing*.

Li, H., Schlaeger, J.M., Patil, C.L., Danciu, O.C., Xia, Y., Sun, J., Doorenbos, A.Z. (Submitted 08/17/22). Feasibility of Acupuncture and Exploration of Metabolomic Alterations for Psychoneurological Symptoms Among Breast Cancer Survivors. *Biological Research for Nursing*.

Boyd AD, Gu C, Swirsky ES, Burke LA, Doorenbos AZ, Ezenwa MO, Knisely MR, Leigh JW, Li H, Mandernach MW, Molokie RE, Patil CL, Steffen AD, Shah N, deMartelly VA, Schlaeger JM. (Submitted 6/22/22). Ethics in Remote Monitoring Suicidal Ideation, NIH HEAL Initiative Pragmatic Trial: GRACE Trial Case Study. *Journal of Pain and Symptom Management*.

### **Research**

## **Grants Funded**

2022-2025 R34AT012084-01

NIH/NCCIH Role: **Li, H. PI**

\$719,550

Li, H (PI, contact), Schlaeger JM (co-I), Doorenbos AZ (co-I), Patil CL (co-I), Chen Z (co-I), Danciu OC (co-I). Implementing Acupuncture into A Federally Qualified Health Center for Multiple Symptoms among Breast Cancer Survivors Receiving Endocrine Therapy.

2022-2023

University of Illinois Cancer Center, CPC Mini Grant

Role: **Li, H. PI**

\$1,960

Li, H (PI, contact), Doorenbos AZ (co-I), Schlaeger JM (co-I).  
Using metabolomics to reveal the mechanism of acupuncture. Submitted 11/29/21.  
Funded 12/13/21.

2021-2025

UH3 AT011265-02 (Co-I; 10% Academic Year/10% Summer Support)

NIH/NCCIH/HEAL INITIATIVE

Role: **Li, H. Co-I**

\$7,158,409

Doorenbos, A.Z. (MPI, contact), Ezenwa, M.O. (MPI), Molokie, R.E. (MPI), Schlaeger, J.M. (MPI), Shah, N.R. (MPI), Patil, C.L. (Co-I), Steffen, A.D. (Co-I), Li, H. (Co-I), Wilkie, D.J. (Co-I, UF), Mandernach, M.W. (Co-I), Knisely, M.R. (Co-I, Duke). Hybrid Effectiveness-Implementation Trial of Guided Relaxation and Acupuncture for Chronic Sickle Cell Disease Pain.

2020-2022

Rockefeller University Heilbrunn Family Center for Research Nursing

Role: **Li, H. PI**

\$25,000

Li, H (PI, contact), Doorenbos AZ (co-I)  
Multi-Omics Analysis of Psychoneurological Symptoms Among Cancer Survivors.  
Submitted 01/29/20. Funded 05/13/20.

2019-2021

NU58DP006674-01-00

CDC-National Comprehensive Cancer Control Program

Role: **Li, H. Co-I**

\$1,800,000

Hamlish, T (MPI, contact), Doorenbos, A.Z. (MPI), Hong, H. (MPI), Li, H. (Co-I), Jang, M.K. (Co-I).  
A Survivor (YAAS!) Network for Health Equity Among Young Breast Cancer Survivors. Funded  
June 2019.

2018-2010

University of Pittsburgh, Schol of Nursing

Role: **Li, H. PI**

\$1,350

Li, H. (PI, contact), Bender, C.M. (Co-I), Sereika, S. M. (Co-I)  
The Psychoneurological Symptom Cluster Among Women with Breast Cancer Receiving  
Endocrine Therapy. Funded April 2018.

2017-2018

Sigma Theta Tau International, Eta Chapter

Role: **Li, H. PI**

\$2,500

Li, H (PI, contact), Bender, C.M. (co-I), Sereika, S. M. (co-I)  
Symptom Clusters Among Women with Breast Cancer Receiving Endocrine Therapy.  
Funded April 2017.

### **Grants Submitted**

2022-2024 R21CA277153-01

NIH/NCI Role: **Li, H. PI**

\$439,725

Li, H (PI, contact), Doorenbos, AZ (co-I), Schlaeger, JM (co-I), Sun, J (co-I), Xia, Y (co-I). A Multi-Omics Study of the Effect and Mechanisms of Acupuncture on Psychoneurological Symptoms Among Breast Cancer Survivors. Submitted 02/20/2022 (score:28,11%).

2022-2024

University of Illinois Chicago, CCTS Pilot Grant

Role: **Li, H. PI**

\$60,000

Li, H (PI, contact), Doorenbos AZ (co-I), Schlaeger JM (co-I), Patil CL (co-I). Feasibility of Implementing Acupuncture in a Federally Qualified Health Center to Alleviate Multiple Symptoms Among Breast Cancer Survivors Receiving Endocrine Therapy. Submitted 11/22/21.

2021-2023

Oncology Nursing Foundation, General Research Grant (RE03)

Role: **Li, H. PI**

\$50,000

Li, H. (PI, contact), Doorenbos, A.Z. (Co-I), Schlaeger, J.M. (Co-I), Patil, C.L. (Co-I). A Culturally Sensitive Acupuncture Intervention to Reduce Psychoneurological Symptoms Among African American Breast Cancer Survivors: A Mixed Method Feasibility Study. Submitted 06/07/2021.

2021-2025 K99/R00 NR019586

NIH/NINR Role: **Li, H. PI**

\$939,650

Li, H. (PI, contact), Doorenbos, A.Z. (Mentor), Schlaeger, J.M. (Co-Mentor), Wainwright, D. (CoMentor), Maienschein-Cline, M. (Co-Mentor). A Metabolomics Approach to Understanding Psychoneurological Symptoms and the Effect of Acupuncture Among Cancer Survivors. Submitted 11/12/2020. Score: 34.

2020-2024 K99/R00 NR019586

NIH/NINR Role: **Li, H. PI**

\$936,238

Li, H. (PI, contact), Doorenbos, A.Z. (Sponsor), Schlaeger, J.M. (co-Sponsor), Wainwright, D. (co-Sponsor), Maienschein-Cline, M. (co-Sponsor). A Metabolomics Approach to Understanding Psychoneurological Symptoms and the Effect of Acupuncture Among Cancer Survivors. Submitted 2/6/2020. Score: 54.

### **Presentations**

**Li, H.**, Lockwood, M.B, Danciu, O.C., & Doorenbos, A.Z. Tryptophan and Kynurenine Pathway Metabolites and Psychoneurological Symptoms Among Breast Cancer Survivors. Podium presentation at the ONS 47th Annual Congress, April 29, 2022, Anaheim, CA.

**Li, H.**, Patil, C.L., Molokie, R.E., Njoku, F., Steffen, A.D., Doorenbos, A.Z., & Schlaeger, J.M. Acupuncture for Chronic Pain in Adults with Sickle Cell Disease: A Mixed-Methods Pilot Study. Podium presentaiton at the Virtual 45<sup>th</sup> Annual Conference of Midwest Nursing Research Society, March 24<sup>th</sup>-27<sup>th</sup>, 2021.

**Li, H.**, Liu, Y., Heinsberg, L, Lockwood, M., Wainwright, D., Jang, M., & Doorenbos, A. Systematic Review of the Kynurenine Pathway and Psychoneurological Symptoms Among Adult Cancer Survivors. Presented at SISO virtual poster presentation-The Interface Between Nursing Science and Metabolomics, Aug 13<sup>th</sup>, 2020.

**Li, H.**, Luo, C., Cussens, James., Dunbar-Jacob, J.M. Using Bayesian Network Analysis to Elucidate Causal Relationships between Anxiety and Physiological Symptoms among Patients with Type 2 Diabetes. Presented in abstract form at the Virtual 44<sup>th</sup> Annual Conference of Midwest Nursing Research Society, April 1<sup>st</sup>-4<sup>th</sup>, 2020.

Mahmoud, A., **Li, H.**, Abu-Jaradeh, O., Faramand, Z., Martin-Gill, C., Callaway C., Al- Zaiti, S. Is HEART Score Adequate for Triaging Acute Chest Pain in Cancer Survivors? Presented in abstract form at American Heart Association Scientific Sessions 2019, Nov 16<sup>th</sup>-18<sup>th</sup>, Philadelphia, Pennsylvania.

Frisch, S., **Li, H.**, Faramand, Z., Martin-Gill, C., Callaway C., Al- Zaiti, S. (2019). Using Predictive Machine Learning Modeling for the Nursing Triage of Acute Chest Pain at the Emergency Department. Presented in abstract form at the American Heart Association Scientific Sessions 2019, Nov 16<sup>th</sup>-18<sup>th</sup>, Philadelphia, Pennsylvania.

**Li, H.**, Ji, M., Scott, P., & Dunbar-Jacob, J. M. (2019). The Effect of Symptom Clusters on Quality of Life Among Patients With Type 2 Diabetes. Presented in abstract form at the ENRS 31st Annual Scientific Sessions, April 3–5, 2019, Rhode Island, Providence.

**Li, H.**, Sereika, SM, Conley, YP, Marsland, AL, Bender, CM. (2019). Symptom Clusters in Women with Breast Cancer During the First 18 Months of Aromatase Inhibitor Therapy. Podium presentation at the ONS 44th Annual Congress, April 13, 2019, Anaheim, CA

**Li, H.**, Sereika, SM, Bender, CM. (2018). Symptom Clusters in Women with Breast Cancer Before Endocrine Therapy. Presented in abstract form at the ONS 43rd Annual Congress, May 18, 2018, Washington, DC

### **Teaching**

Fall 2022	NUER 546 Biometrics and Applied Statistics Guest Lecturer
Spring 2021	NURS 585 Roles and Responsibilities of the Nurse Scientist Co-Instructor
Fall 2020	NURS 585 Roles and Responsibilities of the Nurse Scientist Guest Lecturer
Spring 2018	NUR 0088 Introduction to Statistics and Evidence Based Practice Teaching Assistant
Spring 2017	NUR 0080 Foundations of Nursing Practice 1-Skills Lab Teaching Assistant
Fall 2014	BIOSTAT 6104 Introduction to Biostatistics Teaching Assistant

### **Memberships**

2016-Present	Oncology Nursing Society
2016-2019	Oncology Nursing Society Pittsburgh Chapter
2017-2019	Eastern Nursing Research Society
2017-Present	Sigma Theta Tau International
2019-Present	Midwest Nursing Research Society

### **Service**

2021-2022	UIC College of Nursing B2F Search Committee
2021-2022	UIC College of Nursing Department Tenure Track Peer Review Committee
2018-2019	Sigma Theta Tau International, Eta Chapter, Scholarship Committee
05/2018	Oncology Nursing Society-Camp Rising Spirit, volunteer
06/2016	Kenya Health Promotion Program, out-patient unit volunteer
2011-2013	Member of China Youth AIDS Organization

### **Other Scholarly Activities**

#### **Peer Reviewer**

2022-present	Evidence-Based Complementary and Alternative Medicine
2021-present	Psychoneuroendocrinology
2020-present	International Journal of Nursing Sciences
2020-present	Biological Research for Nursing