

# HOI SING CHUNG, PHD, RN

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Work: Urban Life 921, Byrdine F. Lewis  
College of Nursing and Health Professions  
Georgia State University, Atlanta, GA

## EDUCATION

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<b>MSN</b>	FNP, Georgia College and State University (expected)	May 2026
<b>DNP</b>	FNP, University of Tennessee Health Science Center (transferred)	May 2022
<b>BSN</b>	Nursing, University of Tennessee Health Science Center	December 2008
<b>PhD</b>	Pharmacology, Chinese University of Hong Kong Dissertation: “Chemical and pharmacological investigations into an antitussive traditional Chinese medicinal herb” Committee: Dr. G. Lin (chair), Dr. R.L. Jones, Dr. K.P. Fung, Dr. K. CHAN	December 2001
<b>MPhil</b>	Physiology, Chinese University of Hong Kong Thesis: “Testicular angiogenesis in rats – developmental changes and hormonal stimulation by human chorionic gonadotrophin” Advisor: Dr. C.L. Au	December 1998
<b>BMed</b>	Nantong Medical School (Nantong University)	July 1988

## HONORS AND AWARDS

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**IRB Appreciation Award** 2021  
This award acknowledged IRB committee member for steadfast efforts and dedication to the protection of human subjects by way of providing high-quality reviews in a timely manner, **\$800**.

**Excellence in Clinical Scholarship Award of Society of Pediatric Nurses (SPN)** 2017  
This award recognized Pediatric Asthma Management team of Loewenberg College of Nursing to design and implement a Pediatric Asthma Management Program across Shelby County Schools system/community of color that has contributed significantly to the well-being and health care of children and their families through the consistent application of scholarship in clinical practice.

**Grant of the Urban Child Institute (TUCI)** 2016-2018  
Building a culture of health for urban children and families focusing on the initiative of pediatric asthma management in collaboration with Shelby County Schools. {Zhan L, lead; Chung H, Co-PI}, **\$1,178,500**.

**Grant of Loewenberg College of Nursing Dean's Small Grant** 2016  
Assessing APRN adherence to Asthma EPR3 guidelines. \$2,000.

**New Research Award of Excellence of Society of Pediatric Nurses (SPN)** 2015  
This award recognized Dr. Hoi Sing Chung as a novice nurse researcher who has recently completed an outstanding research study on risk factors associated with hospital readmission in pediatric asthma and who has excellent potential to develop and implement a program of research that contributes to well-being and health.

**Daisy Faculty Award** 2015  
Dr. Chung utilized creative teaching techniques to provide an outstanding learning environment to help students learn Pharmacology. He demonstrated great caring and compassion for his students. His coaching and guidance helped students successfully progress to the nursing clinical courses. His positive attitude enhanced the students' learning environment and the collaboration with faculty.

**Methodist-LeBonheur Center for Nursing Excellence Award** 2008  
Hoi Sing Chung demonstrated strong commitment and persistence for career goals and initial pursuit of nursing excellence.

## **TEACHING EXPERIENCE**

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**Georgia State University, Atlanta, GA** August 2022 to Present  
**Clinical Associate Professor, Byrdine F. Lewis College of Nursing and Health Professions**

- Teaching in academic nursing on Community Health Practicum for Bachelor of Science in Nursing (BSN) Program, an undergraduate clinical course averaging 6-8 students per semester; Nursing Pharmacology Didactic course for Bachelor of Science in Nursing (BSN) Program, an undergraduate course averaging about 75-100 students per semester; Co-teaching Health Assessment Didactic & Skill Lab for Bachelor of Science in Nursing (BSN) Program averaging 75-100 students per semester; and DNP Project Dissemination online course for Doctor of Nursing Practice (DNP) Program averaging 13-20 students per semester.
- Developed course materials, lecturing, quizzes, exams, case studies and homework
- Developed and revised the syllabus to meet accreditation standards.

**University of Memphis, Memphis, TN** August 2018 to August 2022  
**Clinical Associate Professor, Loewenberg College of Nursing**

- 4 years of teaching in academic nursing from Interprofessional Pharmacology for Master and Doctoral degree on Audiology and Speech Therapist at School of Communication Science and Disorders, College of Health Sciences, and School of Public Health, a graduate course averaging 5-10 students per semester; PhD student mentor to guide one student to complete Chapter one and two of her dissertation focusing on introduction, background, research question, literature review and research framework and theory; Community Health Practicum for Bachelor of Science in Nursing (BSN) Program, an undergraduate clinical course averaging 16-26 students per semester; Health Assessment Skill Lab for Bachelor of Science in

- Nursing (BSN) Program, an undergraduate clinical course averaging 11-12 students per semester; to Nursing Pharmacology for Bachelor of Science in Nursing (BSN) Program, an undergraduate course averaging about 200 students per semester.
- Developed course materials, lecturing, quizzes, exams, case studies and homework
  - Developed and revised the syllabus to meet accreditation standards
  - Coordinated teaching and grading at both Memphis and Jackson campuses.

**University of Memphis**, Memphis, TN August 2012 to August 2018  
**Assistant Professor**, Loewenberg College of Nursing

- 6 years of teaching in academic nursing from Advanced Pharmacology for Master of Science in Nursing (MSN) degree, a graduate course averaging 10-25 students per semester, Advanced Nursing Research for RODP Master of Science in Nursing (MSN), a graduate course averaging 10-25 students per semester, to Nursing Pharmacology for Bachelor of Science in Nursing (BSN) Program, an undergraduate course averaging about 200 students per semester, as well as Pathophysiological & Pharmacological Concepts for RN to BSN program, an undergraduate course averaging about 15-20 students per semester
- Developed course materials, lecturing, quizzes, exams, case studies and homework
- Developed and revised the syllabus to meet accreditation standards
- Coordinated teaching and grading at both Memphis and Jackson campuses

## **CLINICAL EXPERIENCE**

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**Erlanger Healthcare System**, Chattanooga, TN Nov 2022 to Present  
**RN Nursing Pool**, Primary Care Facilities

**Methodist Germantown Hospital**, Germantown, TN Dec 2020 to April 2021  
**RN Bedside Nurse**, Med-Surg Floor 4West

**LeBonheur Children’s Hospital**, Memphis, TN June 2011 to Nov 2020  
**RN Bedside Nurse**, Pulmonary 11<sup>th</sup> Floor

**Regional Medical Center**, Memphis, TN Nov 2011 to June 2012  
**RN Bedside Nurse**, Post Trauma 5D Unit

**St. Jude Children’s Research Hospital**, Memphis, TN July 2009 to June 2011  
**Clinical Research Associate – RN**, Leukemia/Lymphoma, Comprehensive Cancer Center

**Methodist University Hospital**, Memphis, TN June 2009 to June 2009  
**GN to RN**, Medical Intensive Care Unit

**Methodist South Hospital**, Memphis, TN July 2008 to Dec 2008  
**Nurse Extern**, Emergency Room

- More than 15 years of clinical practice and research as a RN and research nurse at bedside

## RESEARCH EXPERIENCE

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**Byrdine F. Lewis College of Nursing and Health Professions, Georgia State University,**  
Atlanta, GA 2022 to Present

**Position,** Clinical Associate Professor

- Collaborative research grant submission evidenced by a proposal 9088 titled as Paving the Path to Increasing the Nursing Workforce.

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**Loewenberg College of Nursing, University of Memphis, Memphis, TN** 2012 to 2018

**Position,** Assistant Professor

- 1 book chapter published
- 1 Project granted
- 3 peer-reviewed journal papers published
- 2 Webinars or Workshops delivered
- 4 conference abstracts presented
- Collaborative leadership evidenced by serving as Co-PI for the Urban Child Institute (TUCI) pediatric asthma management (PAM) project.

**Department of Pharmacology, Chinese University of Hong Kong,** 2001 to 2004

**Position,** Postdoctoral Fellow and Project Manager

- 3 patents granted
- 1 book chapter published
- 6 peer-reviewed journal papers published
- 6 conference abstracts presented
- Advised 4 graduate students and postdocs for their academic projects
- Collaborative leadership evidenced by serving as project manager for Industry Support Fund (ISF) project

**Dissertation,** Department of Pharmacology, Chinese University of Hong Kong, 2001

Advisor: Dr. G. Lin

- 3 patents filed
- 5 conference abstracts presented

**Dissertation,** Department of Physiology, Chinese University of Hong Kong 1998

Advisor: Dr. C.L. Au

- 4 conference abstracts presented

## PUBLICATIONS

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*Google Scholar*

<https://scholar.google.com/citations?user=pYyMTagAAAAJ&hl=en>

*Microsoft Academic*

<https://academic.microsoft.com/search?q=Hoi%20Sing%20Chung&f=&orderBy=0&skip=0&take=10>

*Books*

Burchum, J.R. & **CHUNG, H.S.** Pharmacology of the gastrointestinal tract. Book chapter In Pharmacology for Nurses Smith (Ed.) Berlington, MA, Jones & Bartlett Learning, 2014, pp. 211-236.

Lin, G., Chan, S.S.K., **CHUNG, H.S.**, and Li, S.L. Chemistry and biological activities of naturally occurring phthalides. Book chapter In Studies in Natural Products Chemistry (Bioactive Natural Products Part L) Atta-ur-Rahman (Ed.) Amsterdam; New York: Elsevier, vol. 32, 2006, pp. 611-669.

*Journal Publications*

Lan, J., **CHUNG, H.S.**, Maltby, K., Stewart, C., Vickery, J., Michael, C.F., and Lew, D.B. "High Prevalence of Atopy in Cohort of Severe Persistent Pediatric Asthmatics in Memphis, Tennessee," *Ins Alle, Asth & Bronc*, vol. 2, 2016, pp. 1-6.

Rhodes, L., Weatherford, B., Locke, L., **CHUNG, H.S.**, Tidwell, C., Paton, E., & Lee, S. "A multidisciplinary approach to providing care to adolescents with spinal cord trauma resulting from all-terrain vehicle (ATV) accidents: A case study," *J Traumr Nurs*, vol. 22, 2015, pp. 23-27.

**CHUNG, H.S.**, Hathaway, D.K., and Lew, D.B. "Risk factors associated with hospital readmission in pediatric asthma," *J Pediatr Nurs*, vol. 30, 2015, pp. 364-384. doi: 10.1016/j.pedn.2014.09.005. Epub 2014 Sep 28.

Yan, R., Li, S.L., **CHUNG, H.S.**, Tam, Y.K., and Lin, G. "Simultaneous quantification of twelve bioactive components of *Ligusticum chuanxiong* Hort. by high-performance liquid chromatography," *J Pharm Biomed Anal*, vol. 37, 2005, pp. 87-95.

Li, S.L., Lin, G., **CHUNG, H.S.**, and Tam, Y.K. "Study of fingerprint of *Rhizoma Chuanxiong* by HPLC-DAD-MS," *Acta Pharmaceutica Sinica*, vol. 39, 2004, pp. 621-626.

**CHUNG, H.S.**, Hon, P.M., Lin, G., But, P.P.H., and Dong, H. "Antitussive activity of *Stemona* alkaloids from *Stemona tuberosa*," *Planta Med*, vol. 69, 2003, pp. 914-920.

Li, S.L., Chan, S.S.K., Lin, G., Ling, L., Yan, R., **CHUNG, H.S.**, and Tam, Y.K. "Simultaneous analysis of seventeen chemical ingredients of *Ligusticum chuanxiong*

by on-line high performance liquid chromatography-diode array detector-mass spectrometry,” *Planta Med*, vol. 69, 2003, pp. 445-451.

Jiang, R.W., Hon, P.M., But, P.P.H., **CHUNG, H.S.**, Lin, G., Ye, W.C., and Mak, T.C.W. “Isolation and stereochemistry of two new alkaloids from *Stemona tuberosa*,” *Tetrahedron*, vol. 58, 2002, pp. 6705-6712.

Lin, G., and **CHUNG, H.S.** “Hong Kong’s boom in Chinese Medicine research,” *Science’s Next Wave* 2002/08/06/4.

### *Conference Papers*

(Abstract-Reviewed)

**CHUNG, H.S.**, Breckenridge, L.A., Cross, B., Moore, B., West, B., and Zhan L. “Barriers to Conduct A School Based Pediatric Asthma Workshop for School Teachers and Families with Asthma Students in Asthma Capital,” 30 minute podium session on Society of Pediatric Nurses 29th Annual Conference, Advocate, Innovate, Elevate: Nurses Shaping Pediatric Health, Washington, D.C., April 24-27, 2019.

**CHUNG, H.S.**, Cross, B., Breckenridge, L.A., Moore, B., West, B., Zhan, L. “New Initiative to Deliver Pediatric Asthma Workshops to Teachers and Families in Asthma Capital,”. Post Presentation on AACN Faculty Practice Pre-Conference, Coronado, CA, January 16, 2019.

Gill, M., **CHUNG, H.S.**, Richardson, T., Hoffman, J., Breckenridge, L.A., and Moore, B. “Building a culture of health in an urban community,” 20x20 group presentation on Resilience Con 2017, Nashville, TN, April 17-19, 2017

**CHUNG, H.S.**, Fadahunsi, A., Terry, W., and Lew, D.B. “Impact of multiple caretakers on pediatric asthma outcomes,” E-poster on 2016 American College of Asthma, Allergy & Immunology (ACAAI) Annual Scientific Meeting, San Francisco, CA, USA, 2016.

Chan, S.S.K., **CHUNG, H.S.**, and Lin, G. “Establishment of the pharmacological basis of the therapeutic effects of *Ligusticum chuanxiong*, a traditional Chinese herb for cardiovascular diseases,” *Acta Pharmaceutical Sinica*, 27(Suppl. 1), 2006, pp. 321.

Chan, S.S.K., **CHUNG, H.S.**, and Lin, G. “Establishment of the pharmacological basis of the therapeutic effects of *Ligusticum chuanxiong*, a traditional Chinese herb for cardiovascular diseases,” *Proceeding of the XVth World Congress of Pharmacology*, Beijing, P.R. China. July 2006.

**CHUNG, H.S.**, Jones, R.L., Lin, G., and Tam, Y.K. “Screening for active ingredients of *Ligusticum Chuanxiong* on antiplatelet aggregation,” *Proceedings of the Satellite*

to the World Congress of International Society for Heart Research (ISHR). Hong Kong. Aug 2004.

**CHUNG, H.S.**, Jones, R.L., Lin, G., and Tam, Y.K. "Antiplatelet aggregation activities of crude oil and an active fraction of Ligusticum Chuanxiong," Proceedings of the 8th of Hong Kong Pharmacology Society Scientific Meeting (in Association with the Shanghai Pharmacology Society). Hong Kong. Aug 2004.

Lin, G., **CHUNG, H.S.**, and Hon, P.M. "Development of quality control for the bioactive ingredients of Chinese medicinal herbs," Proceedings of the 7th Asian Conference on Analytical Sciences. Hong Kong. July 2004.

**CHUNG, H.S.**, and Lin, G. "Antitussive effects of neotuberostemonine, the active ingredient from *Stemona tuberosa* in guinea pig cough model induced by citric acid," Proceedings of the Joint Scientific Meeting of Shanghai Pharmacology Society and Hong Kong Pharmacology Society. Shanghai, P. R. China. Nov 2002.

**CHUNG, H.S.**, and Lin, G. "Development of citric acid-induced guinea pig cough model for the evaluation of antitussive activity of imperialine, an active ingredient of *Bulbus Fritillariae*," Proceedings of 7th of Hong Kong Pharmacology Society Scientific Meeting (in Association with the Zhejiang Pharmacological Society). Oct 2001, O13.

**CHUNG, H.S.**, Lin, G., Dong, H., and But, P.P.H. "The antitussive and mucolytic activities of crude extracts of *Radix Stemona*," AAPS Pharmsci, 2000, 2(4).

**CHUNG, H.S.**, Lin, G., Dong, H., and But, P.P.H. "The antitussive and mucolytic activities of crude extracts of *Radix Stemona*," Proceedings of the 15th Annual Meetings of the American Association of Pharmaceutical Scientists, Indianapolis, USA. Oct 2000.

**CHUNG, H.S.**, Lin, G., Kwan, Y.W., Xu, H.X., and But, P.P.H. "Investigation into the antitussive and airway relaxation effects of *Radix Stemona*," Proceedings of 5th of Hong Kong Pharmacology Society Scientific Meeting (in Association with the Chinese Pharmacological Society). Nov 1999, pp. 31.

**CHUNG, H.S.**, Ho, W.Y., Chiu, N.S., and Kwan, Y.W. "A structure-activity relationship study of tetramethylpurazine analogues on renal and mesenteric arteries of SHR and WKY rats," Journal of the Hong Kong College of Cardiology. Oct 1999, 7(2), pp. 127.

Au, C.L., **CHUNG, H.S.**, and Sy, C.C. "Effects of Leydig Cell suppression testicular macrophage activation and depletion on HCG-induced endothelial cell proliferation in adult rat testes," 5th International Congress on the Cell Biology of Reproduction, Cambridge, UK. July 1999.

Au, C.L., and **CHUNG, H.S.** “Activation and depletion of testicular macrophage enhance the HCG-induced increase in endothelial cell proliferation in the rat testicular vasculature,” Proceedings of the 11th Annual Scientific Meeting of the Society for the Study of Endocrinology, Metabolism and Reproduction. Nov. 1997, 11, pp. R1.

**CHUNG, H.S.**, Au, C.L., Pang, H.C., and Chan, L.F. “Human chorionic gonadotrophin (HCG)-induced testicular angiogenesis and its dependence on the presence of Leydig cells,” International Meeting on Gastroenterology, Endocrinology and Reproduction,” Dec. 1996, pp. 18.

Au, C.L., **CHUNG, H.S.**, Pang, H.C., and Chan, L.F. “Human chorionic gonadotrophin (hCG)-induced endothelial cell proliferation in adult rat testes and its dependence on the presence of Leydig cells,” J Physiol, 1996, 497, pp. 71P.

## **PATENTS**

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Lin, G., **CHUNG, H.S.**, Hon, P.M., Dong, H., and But, P.P.H., “Plant extracts and alkaloids having antitussive activity,” Unites States Patent, No. 6,992,078 B2.

Lin, G., **CHUNG, H.S.**, Hon, P.M., Dong, H., and But, P.P.H., “Plant extracts and alkaloids having antitussive activity,” People’s Republic of China Patent, No. ZL 03 1 22472.5.

Lin, G., **CHUNG, H.S.**, Hon, P.M., Dong, H., and But, P.P.H., “Plant extracts and alkaloids having antitussive activity,” Hong Kong SAR Patent, No. HK 1527216.

## **PRESENTATIONS AND INVITED LECTURES**

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### **Seminar or Workshop or Certification**

Society of Pediatric Nurses (SPN), Online Module/Presentation, 2018

Description: Certification of Pediatric Nurses (CPN) Review Chapter 8: Respiratory Conditions.

Society of Pediatric Nurses (SPN), Webinar 2016 series, 1/14/2016

Description: Risk factors associated with pediatric asthma readmission: nursing implications

## **PROFESSIONAL AFFILIATIONS**

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American Nurses Association (ANA)/Tennessee Nurses Association (TNA), 2020-Present Membership.

Society of Pediatric Nurses (SPN), 2013-Present

Membership and Communication Officer of local Midsouth Chapter, 2015-2017.

Society of Clinical Research Associates (SOCRA), 2009-2012

Membership



## PROFESSIONAL SERVICE

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### Poster Presentation Judge for:

- 11<sup>th</sup> Annual Georgia Nursing Leadership Coalition (GNLC) Doctoral Symposium: Charting Innovative Paths for Nursing Research and Scholarship on Feb 11<sup>th</sup>, 2023

### Peer-Reviewed Articles for:

- Journal of Pediatric Nursing, 2 articles reviewed 2021, 2 articles reviewed 2020, 2 articles reviewed 2019, 1 article reviewed 2018, 4 articles reviewed 2017, 1 article reviewed 2016
- Journal of Gerontological Nursing, 1 article reviewed 2018

### Peer-Reviewed Chapters for:

- Pediatric Nursing Certification Review, 5<sup>th</sup> edition, Chapter 4 (Respiratory/ENT Conditions) reviewed in 2022
- Pediatric Nursing Certification Review, 4<sup>th</sup> edition, Chapter 8 (Respiratory Conditions), reviewed in 2017

## COMMUNITY SERVICE

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### Georgia State University

#### Byrdine F. Lewis College of Nursing and Health Professions

[DNP Committee], [Byrdine F. Lewis College of Nursing and Health Professions], 2023-Present

#### Byrdine F. Lewis College of Nursing and Health Professions

[CCNE Standard 4 Committee], [Byrdine F. Lewis College of Nursing and Health Professions], 2023-Present

#### Byrdine F. Lewis College of Nursing and Health Professions

[Nursing Undergraduate Program Committee (UPC)], [Byrdine F. Lewis College of Nursing and Health Professions], 2022-Present

#### Byrdine F. Lewis College of Nursing and Health Professions

[CCNE Standard 3 Committee], [Byrdine F. Lewis College of Nursing and Health Professions], 2022-Present

### University

[Institutional Review Board (IRB)], [University of Memphis], 2016-2022

### University

[Safety Committee], [University of Memphis], 2016-2022

### Loewenberg College of Nursing

[Faculty Affair Committee], [LCON], 2015-2022

**Loewenberg College of Nursing**

[Undergraduate Curriculum Committee], [LCON], 2012-2022

**Loewenberg College of Nursing**

[Graduate Curriculum Committee], [LCON], 2013-2015

**Society of Pediatric Nurses**

[Communication Officer], [Local Midsouth Society of Pediatric Nurses], 2015-2017