

# Schoen W. Kruse, PhD, MSHPed, FNAOME

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Pronouns: He/Him/His

Current Position	Associate Dean of Curriculum and Integrated Learning Professor of Pharmacology Kansas City University (KCU) College of Osteopathic Medicine (COM) 1750 Independence Ave. Kansas City, MO 64106
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Date and Place of Birth	September 8, 1976, Cleveland, OH
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## **EDUCATION**

Master of Science in Health Professions Education MGH Institute of Health Professions Boston, MA	2021
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Doctor of Philosophy, Pharmacology University of Colorado Denver, CO	2004
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Bachelor of Science, Biological Sciences, Chemistry minor <i>Summa cum laude</i> Ohio University Athens, OH	1998
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## **ACADEMIC LEADERSHIP**

Associate Dean of Curriculum and Integrated Learning Kansas City University, Kansas City, MO and Joplin, MO	2017-present
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Director of KCU-COM Institute for Learning Advancement Faculty Development Program	2017-present
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Assistant Dean of Academic Affairs Kansas City University, Kansas City, MO	2014-2017
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Assistant Dean of Preclinical Affairs Rocky Vista University (RVU), Parker, CO	2013-2014
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Curriculum (Phase) Director of OMS Year II Rocky Vista University, Parker, CO	2009-2014
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## **TEACHING EXPERIENCE**

Professor of Pharmacology (KCU)	2021-present
Associate Professor of Pharmacology (KCU)	2014-2021
Associate Professor of Pharmacology (RVU)	2012-2014
Assistant Professor of Pharmacology (RVU)	2008-2012
Adjunct Professor, Grand Valley State University	2006

## **LEADERSHIP DEVELOPMENT**

Health Professions Education Leadership and Personal Development MGH Institute of Health Professions	2020
<ul style="list-style-type: none"><li>Designed to inspire participants to develop their own personal leadership development plan.</li></ul>	
Harvard Macy Institute A Systems Approach to Assessment in Health Professions Education	2019
<ul style="list-style-type: none"><li>Designed to encourage participants to apply systems thinking in designing assessment programs to support the continuous quality improvement of students/trainees, faculty, and curricula at their academic health science institutions.</li></ul>	
Interprofessional Education Consortium (IPEC) Interprofessional Leadership Development Program	2019
<ul style="list-style-type: none"><li>Professional enrichment for academic leaders in the area of interprofessional leadership and engagement; facilitated by Academy for Academic Leadership</li></ul>	
Harvard Macy Institute Leading Innovations in Health Care and Education	2017
<ul style="list-style-type: none"><li>Designed to help develop personal strategies for leading change within a rapidly evolving health care delivery system.</li></ul>	
Harvard Macy Institute Program for Educators in the Health Professions	2015
<ul style="list-style-type: none"><li>Provides participants with the knowledge base and skills to enhance their expertise in both conducting an educational project of their own design and taking a leadership role in the educational activities at their institutions.</li></ul>	
Costin Institute for Osteopathic Medical Educators	2011-2012
<ul style="list-style-type: none"><li>Designed for Medical personnel currently involved in teaching, academic management as well as those aspiring to a career in medical academe.</li></ul>	

## **KCU SERVICE (COMMITTEES)**

COM Curriculum Committee (2014-present) (Chair, 2017-2018, 2019-present)  
Interprofessional Education Committee (2018-current)  
COM Accreditation Committee (2017-current)  
HLC Accreditation Self-Study Committee (2017-2018)  
KCU Scholarly Activity and Faculty Development Committee for GME (2018-2019)  
COVID-19 Academic Response Team (2020-present)  
KCU Academic Calendar Committee (2017-present)  
Institutional Animal Care and Use Committee (IACUC) (Chair 2015-2018)  
Student Support Committee (2014-2017)  
Student Progress Committee (2014-2017)  
Rank and Promotion Committee (2014-2017)

## **GRANTS**

The use of small group interactive sessions to reduce emotional exhaustion and depersonalization, and promote a sense of personal accomplishment in osteopathic medical students at KCU-COM (2017)  
Awarding agency: American Association of Colleges of Osteopathic Medicine (AACOM)

Utilization of Prematriculation Data and Reading Ability to Predict Success in Undergraduate Medical Students (2012)  
Awarding agency: RVU Intramural Research Grant

Predoctoral Fellowship (2003-2004)  
Awarding agency: American Heart Association

## **AWARDS**

National Academy of Osteopathic Medical Educators - Fellow	2016-2021, 2021-2026
Icon of Education, Ingram's Magazine	2020
RVUCOM Fighting Prairie Dog Award	2012
Norman Weiner Award for Research Excellence	2003
Keystone Symposia Scholarship Winner Conference on New Advances in Drug Discovery	2003
Pre-doctoral Training Grant Travel Award	2001, 2003
Annual Student Research Forum Award Winner	2001, 2002

## **PRESENTATIONS**

D'Agostino, D., Getch, S., Kennedy, E., **Kruse, S.W.** The Leader's Role in Building Coalitions and Teams. 2021 Interprofessional Education Collaborative (IPEC) Interprofessional Leadership Development Program (ILDLP), June 2021.

**Kruse, S.W.**, Getch, S. Addressing diversity, professionalism, and interprofessional teamwork through art-based curriculum. Jefferson Center for Interprofessional Practice and Education, 7<sup>th</sup> Biennial Virtual Conference, April, 2021 (invited workshop).

**Kruse, S.W.**, D'Agostino, D. Leadership during uncertainty: A framework to achieve success during challenging times. American Association of Colleges of Osteopathic Medicine Annual Conference, April 2021.

Tyler, R., Pierce, A.N., Danilova, G., **Kruse, S.W.** Innovations through asynchronous virtual reality simulation. American Association of Colleges of Osteopathic Medicine Annual Conference, April 2021.

Kinde, M., Rogers, R., Zaidi, A., **Kruse, S.W.** Student outcomes and perceptions of a unique assessment strategy for a 'soft-landing' into medical school. American Association of Colleges of Osteopathic Medicine Annual Conference, April 2021.

Pierce, A.N., Danilova, G., **Kruse, S.W.** Analyzing assessment of medical knowledge as an integral element to overall programmatic evaluation. American Association of Colleges of Osteopathic Medicine Annual Conference, April 2021.

Kinde, M., Rogers, R., Danilova, G., **Kruse, S.W.** Comparison of campus-specific evaluations at an osteopathic medical school with an extension campus. American Association of Colleges of Osteopathic Medicine Annual Conference, April 2021.

**Kruse, S.W.**, Kinde, M., Roffler, M. Required art-based curriculum improves essential qualities in medical students by increasing tolerance for ambiguity and perspectives-taking. American Medical Association ChangeMedEd Conference, Chicago, IL, September, 2019.

**Kruse, S.W.**, Getch, S., Cox, W.J., Winslow, R. An evaluation of professionalism and how it is assessed in medical students by an interprofessional team (included in Readiness for Residency: Collaborating Across the Continuum panel discussion). American Association of Colleges of Osteopathic Medicine Annual Conference, Washington DC, April 2019.

McGowan, J., Walker, R.J., **Kruse, S.W.** Promoting Resiliency and Preventing Burnout in Future Physicians. American Association of Colleges of Osteopathic Medicine Annual Conference, Washington DC, April 2019.

**Kruse, S.W.** Ambiguity in Medicine. Nabholz LEAD Internal Leadership Development Program, Kansas City, MO, August, 2018

**Kruse, S.W.** Art, Observation, and Medicine: Putting the 'A' in STEAM. Kansas City Centurions Leadership Program, Kansas City, MO, February 2018.

**Kruse, S.W.** Faculty Development during a time of Expansion. American Association of Colleges of Osteopathic Medicine Annual Conference, Baltimore, MD, April 2017.

Granite, J., Smith, N., **Kruse, S.W.** Instructional Design Using Learning Science Improves Outcomes in Anatomy. American Association of Colleges of Osteopathic Medicine Annual Conference, Baltimore, MD, April 2017.

**Kruse, S.W.** Goals and Learning Objectives: How to Improve the Curriculum. KCU-GME Consortium Graduate Medical Education Retreat, Kansas City, MO, April 2017.

**Kruse, S.W.** Pharmacological management of pain. KCU Fall 2016 CME Scientific Seminar and Update in Clinical Medicine, Kansas City, MO, October 2016.

**Kruse, S.W.** Educating Future Educators: A teaching and learning course designed for anatomy fellows. American Association of Colleges of Osteopathic Medicine Annual Conference, Washington DC, April 2016.

Graneto, J.W., Jordan K.J., **Kruse, S.W.** Faculty Development: Enhance Leadership by Achieving Milestones. American Association of Colleges of Osteopathic Medicine Annual Conference, Washington DC, April 2016.

**Kruse, S.W.** Socrates was not a pimp. Utilizing active learning strategies for effective teaching. KCU Faculty Development CME, West Palm Beach, FL, February 2016.

**Kruse, S.W.** Trends in Performance Enhancing Drugs. Osteopathic Medical Conference (OMED), Orlando, FL, October 2015.

**Kruse, S.W.** Medical and Legalized Marijuana: from Pain Relief to Recreational use. Osteopathic Medical Conference (OMED), Orlando, FL, October 2015.

McClain, E and **Kruse, S.W.** A New Direction in Medical School Curriculum: The Paradigm Shift. American Medical Association ChangeMedEd Conference, Chicago, IL, October 2015.

**Kruse, S.W.** Medical and Legalized Marijuana: from Pain Relief to Recreational use. KCU Fall 2015 CME Scientific Seminar and Update in Clinical Medicine, Kansas City, MO, September 2015.

**Kruse, S.W.** Preclinical Curriculum Change at KCU College of Osteopathic Medicine. Harvard Macy Program for Educators in Health Professions, Boston, MA, May 2015.

**Kruse, S.W.** New Oral Anticoagulants for VTE, A-fib, and ACS. KCUMB Fall 2014 CME Scientific Seminar and Update in Clinical Medicine, Kansas City, MO, September 2014.

**Kruse, S.W.**, McCormick, C. P. RVUCOM Curriculum Reorganization: A Six Month Transition with Improved Outcomes. American Association of the Colleges of Osteopathic Medicine Annual Meeting, Washington, DC, April 2014.

**Kruse, S.W.**, Thornton, J., McCormick, C. P. Utilization of the Nelson-Denny Reading Test as a predictor of success in medical school. American Association of the Colleges of Osteopathic Medicine Annual Meeting, Baltimore, MD, April 2013.

McCormick, C. P., Dubin, B., **Kruse, S.W.** A novel approach to curriculum management. American Association of the Colleges of Osteopathic Medicine Annual Meeting, Baltimore, MD, April 2013.

Broadbent, N., Lamb, A., Wilson, L., Told, T.N., **Kruse, S.W.** Actual versus projected COMLEX Level 1 board scores between track and non-track students. Colorado Society of Osteopathic Medicine Midwinter Continuing Medical Education Conference, Breckenridge, CO. 2013.

Barney, K.G., Rotando, A.L., Scheel, T.M., **Kruse, S.W.**, LaPorta, A., Schwartz, B. Comparing traditional medical students to medical students participating in supplemental education tracks at RVUCOM. Colorado Society of Osteopathic Medicine Midwinter Continuing Medical Education Conference, Breckenridge, CO. 2013.

**Kruse S. W.** New pharmacological approaches to treating Cardiovascular Disease. Frontiers in Cardiology Annual Meeting, Winter Park, CO. January 2012.

**Kruse, S.W.** What's new in ACE inhibitors: A pharmacological update. Colorado Society of Osteopathic Medicine Midwinter Continuing Medical Education Conference, Keystone, CO. February 2009.

**Kruse, S.W.**, Kretschman, J.E., Reynolds, R.A., Tsai, S.Y., Tsai, M.J., Xu, H.E. Crystal structure of the human COUP-TFII ligand binding domain reveals a ligand-independent autorepressed mechanism. Great Lakes Nuclear Receptor Meeting, Pittsburgh, PA. October 2007.

**Kruse, S.W.**, Kretschman, J.E., Reynolds, R.A., Tsai, S.Y., Tsai, M.J., Xu, H.E. Evidence that the orphan nuclear receptor COUP-TFII is a ligand-regulated transcription factor. Gordon Research Conference Hormone Action in Cancer and Development, New London, NH. July, 2007.

Reynolds, R.A., **Kruse, S.W.**, Kretschman, J.E., Xu, H.E. A Comparison of the Ligand Binding Domain of two Nuclear Hormone Receptors, both in the Absence of Ligands. American Crystallographic Association Annual Meeting, Salt Lake City, UT. July, 2007.

**Kruse, S.W.**, Zhao, R., Smith, D.P., Jones, D.N.M. Molecular Recognition of Alcohol: Structure and Molecular Dynamics of LUSH. American Crystallographic Association Annual Meeting, Cincinnati, Ohio. July 2003.

**Kruse, S.W.**, Zhao, R., Smith, D.P., Jones, D.N.M. Molecular Recognition of Alcohol: Structure and Molecular Dynamics of LUSH. New Advances in Drug Discovery Keystone Symposium, Park City, Utah. January 2003.

**Kruse, S.W.**, Zhao, R., Jones, D.N.M. Structural Studies of LUSH: An Alcohol Binding Protein. Rocky Mountain Rigaku Users Meeting, Boulder, Colorado. May 2001.

## **PUBLICATIONS**

**Kruse, S.W.**, Kinde, M.N. Linking Diagnostic Skill Development, Communication, and Empathy Through Art and Observation. *Mo Med.* 2019 Sep-Oct; 116(5):380-383.

**Kruse, S.W.** "Educating future educators: A teaching and learning course designed using evidenced-based educational research." Web blog post. *Harvard Macy Community Blog*. Harvard Macy Institute, May 10, 2016. <http://www.harvardmacy.org/index.php/hmi/educating-future-educators>

Zhou XE, Suino-Powell KM, Xu Y, Chan CW, Tanabe O, **Kruse SW**, Reynolds R, Engel JD, Xu HE. The orphan nuclear receptor TR4 is a vitamin A-activated nuclear receptor. *J Biol Chem.* 2011 Jan 28;286(4):2877-85.

Zhou XE, Suino-Powell KM, Xu Y, Chan CW, **Kruse SW**, Reynolds R, Engel JD, Xu HE. (2010) The orphan nuclear receptor TR4 is a vitamin A-activated nuclear receptor. J Biol Chem. 2010 Nov 9.

<http://www.jbc.org/content/early/2010/11/09/jbc.M110.168740.long>

**Kruse S.W.**, Suino-Powell K, Zhou XE, Kretschman JE, Reynolds R, et al. (2008) Identification of COUP-TFII Orphan Nuclear Receptor as a Retinoic Acid–Activated Receptor. PLoS Biol 6(9): e227.

[doi:10.1371/journal.pbio.0060227](https://doi.org/10.1371/journal.pbio.0060227)

Thode, A.B., **Kruse, S.W.**, Nix J.C., and Jones, D.N.M. The role of multiple hydrogen-bonding groups in specific alcohol binding sites in proteins: insights from structural studies of LUSH. J Mol Biol; 376(5):1360-76.

**Kruse, S.W.**, Bucci, B.K., Thode, A.B., Alvarado, S.M., Jones, D.N.M. Effect of n-Alcohols on the structure and stability of the *Drosophila* odorant binding protein Lush. Biochemistry 45(6):1693-701.

**Kruse, S.W.**, Zhao, R., Smith, D.P., Jones, D.N.M. Structure of a specific alcohol-binding site defined by the odorant binding protein LUSH from *Drosophila melanogaster*. Nature Struct Biol 10:694-700.

<http://www.nsls.bnl.gov/newsroom/science/2004/01-Jones.htm>