

Kathleen C. Lee, Ph.D.

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Education

Ph.D. Molecular Genetics, Biochemistry, and Microbiology, December, 1999
University of Cincinnati, College of Medicine, Cincinnati, OH

Dissertation

Dept. of Biology, Masters Program, August, 1993 - September, 1994
University of Akron, Akron, OH

- Courses taught at John Carroll** BL 155 Principles of Biology I
BL 157 Principles of Biology I Lab
BL 156 Principles of Biology II
BL 109 Environmental Science
BL 109L Environmental Science Lab
BL 213 Genetics
BL 410 Infection and Immunity (renamed Medical Microbiology)
PHP 121 Survey of Health Professions
- Summers, 2008 - 2017** **Instructor**, Summer Medical and Dental Education Program, Case Western Reserve University, Cleveland, OH. Program Director: Joseph Williams. **Teaching:** Cell biology. This program is designed to assist highly motivated and capable minority/disadvantaged undergraduate students in preparation for a career in medicine or dentistry.
- Summers, 2009 - 2013** **Instructor/assistant**, Project Qué, John Carroll University. **Teaching:** This is a week-long science workshop for sixth, seventh, and eighth grade students who are members of La Sagrada Familia Catholic Church and is designed to support and encourage Hispanic students who are interested in the biological sciences.
- 6/2003-6/2006** **Postdoctoral Research Associate**, Case Western Reserve University, Department of Physiology and Biophysics, Cleveland, OH. **PI:** Richard Eckert, PhD. **Research:** The role of epidermal S100 protein expression in normal development and aberrant expression in hyperproliferative disorders of the skin. Funding: NIH training grant # 5T32DK007678-14
- 11/1999 -4/2003** **Postdoctoral Research Fellow**, Cornell University, Dept. of Molecular Biology and Genetics, Ithaca, NY. **PI:** W. Lee Kraus, PhD. **Research:** Nuclear hormone receptor-mediated transcription. Funding: NIH - National Research Service Award # 1 F32 DK59702-01
- 8/1994 -10/1999** **Graduate Research Assistant/Teaching Assistant**, University of Cincinnati College of Medicine, Dept. of Molecular Genetics, Biochemistry and Microbiology, Cincinnati, OH. **PI:** Michelle Barton, PhD. **Research:** p53 in the transcriptional regulation of alpha-fetoprotein. **Teaching:** Assisted teaching biochemical and molecular biology technique classes.
- 8/1993-8/1994** **Graduate Research Assistant/Teaching Assistant**, University of Akron, Dept. of Biology, Akron, OH. **PI:** Darlene Walro. **Research:** The effects of kinase inhibitors on Herpes Simplex Virus I virulence. **Teaching:** Assisted teaching virology course to undergraduate and graduate students. Taught undergraduate Human Anatomy and Physiology lab.
- 5/1993-8/1993** **Biological Chemist**. Isolab, Inc. Akron, OH. Manufactured diagnostic testing supplies.

Awards/Achievements

10/2005 **Postdoctoral research award**, Case Western Reserve University, Department of Physiology and Biophysics, Cleveland, OH

5/2001-4/2003 **National Research Service Award # 1 F32 DK59702-**

Lee, K.C. and Eckert, R.L.: S100A7 - an Antibacterial Role in Wound Healing. *J Invest Dermatol* 127, 945-57, 2007.

Eckert, R.L. and **Lee, K.C.**: S100A7 (Psoriasin): a Story of Mice and Men. *J Invest Dermatol* 126, 1442-1444, 2006.

Eckert, R.L., Broome, A.M., Ruse, M., Robinson, N., Ryan, D., **Lee, K.C.**: S100 Proteins in the Epidermis. *J Invest Dermatol* 123, 23-33, 2004.

Acevedo, M.L., **Lee, K.C.**, Stender, J.D., Katzenellenbogen, B.S., Kraus, W.L.: Selective Recognition of Distinct Classes of Coactivators by a Ligand-Inducible Activation Domain. *Mol. Cell* 13, 725-738, 2004.

Lee, K.C.*, Li, J.*, Cole, P.A., Wong, J.: Transcriptional Activation by Thyroid Hormone Receptor Beta Involves Chromatin Remodeling, Histone Acetylation, and Synergistic Stimulation by p300 and SRC Coactivators. *Mol Endo* 17, 908-922, 2003.

Lee, K.C., and Kraus, W. L.: Nuclear Receptors, Coactivators and Chromatin: New Approaches, New Insights. *TEMS* 12, 191-197, 2001.

Ogden, S.K.*, **Lee, K.C.***, Wernke-Dollries, K., Stratton, S.A., Aronow, B., Barton, M.C.: p53 Targets Chromatin Structure Alteration To Repress Alpha-Fetoprotein Gene Expression. *J. Biol Chem.* 276, 42057-62, 2001.

Ogden, S.K., **Lee, K.C.**, Barton, M.C.: Hepatitis B Viral Transactivator Hbx Alleviates p53-Mediated Repression of Alpha-Fetoprotein Gene Expression. *J. Biol. Chem.* 275, 27806-27814, 2000.

Departmental Seminar 10/2005, Case Western Reserve University, Department of Physiology and Biophysics, Cleveland, OH. Seminar: "Bmi-1 is a Polycomb Group Gene (PcG) Stem Cell Survival Factor that Promotes Keratinocyte Proliferation and Survival".

Departmental Poster Session - 10/2005, Case Western Reserve University, Department of Physiology and Biophysics, Cleveland, OH. Poster: "Bmi-1 is a Polycomb Group

Organizations and Activities

- 2018 – present** Co-founder and Financial Officer, Ohio Health Professions Advisors (OHPA)
- 2017** New Program Development Committee, John Carroll University
- 2016 – 2017** Student retention committee, John Carroll University
- 2016 – present** Population and Public Health Advisory Committee, John Carroll University
- 2015 - present** Faculty advisor, Pre-Medical Club, John Carroll University
- 2014 - 2017** Central Association of Advisors of Health Professions (CAAHP) grant review committee member
- 2012 - present** Faculty advisor, Pre-dental Society, John Carroll University
- 2012 - present** Faculty Advisor, Pre-Health Honors Association, John Carroll University