

Christina Blume Clark, MD, PhD
530 South Jackson Street
Suite C07
Louisville, KY 40204
(502) 852-5875
christina.clark@louisville.edu

EDUCATION

1998 - 2002 BA in Biochemistry & Molecular Biology
Washington University, St. Louis, MO
2002 - 2010 MD
University of Louisville, Louisville, KY
2004 – 2008 PhD
University of Louisville, Louisville, KY
2010 – 2011 Internship – Preliminary Medicine
University of Cincinnati, Cincinnati, OH
2012 – 2016 Residency – Radiology
Geisinger Health System, Danville, Pennsylvania
2016 – 2017 Fellowship – Breast Imaging
University of Rochester Medical Center, Rochester, NY

ACADEMIC APPOINTMENTS

04/2020 – Present Assistant Professor - Gratis
Breast Imaging
University of Louisville
Louisville, KY

OTHER POSITIONS AND EMPLOYMENT

06/2019 – 03/2020 Breast Imager/General Radiologist
Foundation Radiology Group, U of L Health Medical Center East
Louisville, KY
12/2018 – 05/2019 Locum tenens breast imager
Barton and Associates, Inc., Kentucky One Health Jewish
Louisville, KY
2017 – 2019 Locum tenens breast imager
CompHealth, University of Pittsburgh Medical Center-Hamot
Erie, PA
2018 Radiology Leadership Institute Level One Leadership Fundamentals Certificate
from American College of Radiology

CERTIFICATION AND LICENSURE

- MQSA certified in 3-D and 2-D mammography
- Board eligible for Radiology
- Kentucky active medical license
- Kentucky active DEA license
- Ohio active medical license
- Ohio inactive medical training license
- Pennsylvania active medical license
- Pennsylvania inactive medical training license
- New York inactive medical license

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

- Society of Breast Imaging
- American Board of Radiology
- American College of Radiology
- Radiological Society of North America
- American Roentgen Ray Society

HONORS AND AWARDS

2008 – 2010	University of Louisville Full-Tuition Scholarship and Stipend for Medical School
2005 – 2008	NIH/NINDS National Research Service Award F30 MD/PhD Fellowship Grant, 1 F30 NS051998-01, Wiegand C , Principal Investigator, <i>Role of Hsp90 Interactions in PC-12 Survival to Hypoxia</i>
2002 – 2004	University of Louisville Full-Tuition Scholarship and Stipend for Medical School
2001	Washington University Howard Hughes Medical Institute Summer Research Fellowship
1999 – 2002	Washington University Dean's List, 1999-2002
1998 – 2002	Washington University School of Engineering full-tuition scholarship and research stipend
1998 – 2002	Washington University Greater St. Louis Science Fair Scholarship
1998	Washington University Howard Hughes Medical Institute Pre-Freshman Research Program

COMMITTEE ASSIGNMENTS AND ADMINISTRATIVE SERVICES

- Enrolled in Radiology Leadership Institute Level Two, American College of Radiology
- Track captain for clinical years, University of Louisville MD/PhD Program
- Vice president, University of Louisville AAN Student Interest Group in Neurology
- Student Advocate, University of Louisville School of Medicine

- Officer, Washington University Pre-Medical Society

EDUCATIONAL ACTIVITIES

- *Breast Imaging: MRI Artifacts*, Fellow Grand Rounds, University of Rochester Medical Center
- *Breast MRI: Benign Findings*, Radiology Resident Lecture, University of Rochester Medical Center
- *Breast MRI: Enhancement patterns*, Radiology Resident Lecture, Geisinger Medical Center
- *Liver trauma*, Radiology Resident Lecture, Geisinger Medical Center
- *Body imaging of explosion injuries*, Radiology Resident Lecture, Geisinger Medical Center
- Clinical Instructor of Internal Medicine at University of Cincinnati
- *Fever of unknown origin*, Internal Medicine Morning Report, University of Cincinnati
- *Adrenal incidentalomas*, Endocrinology Rounds, University of Cincinnati
- *Congestive heart failure medications*, Internal Medicine Rounds, University of Cincinnati
- Tutored ACT Science, Algebra, Biology, General Chemistry, Geometry, Microbiology and Physiological Psychology, WyzAnt
- Tutored Geometry, Care.com
- Tutored Pre-medical Biology, Washington University
- Tutored Reading, Writing and Math at New Directions Housing Corp. Youth Learning Center, Louisville, KY

ABSTRACTS AND PRESENTATIONS

1. *Non-traumatic orbital findings on CT scan of the head.* **Pennsylvania Radiological Society Meeting 2012.** Clark C, Mongelluzzo G, Alvi F, Bronov O. Department of Radiology, Geisinger Medical Center.
2. *Geldanamycin induces cytotoxic oxidative stress and disrupts Hsp90 binding, targeting proteins to non-proteasomal degradation in PC-12 cells.* **Society for Neuroscience Conference 2008.** Wiegand CB, Miller CJ, Sachleben Jr LR, Rane MJ, Evelyne Gozal. Departments of Pharmacology & Toxicology, Physiology & Biophysics, Pediatrics, and Medicine, University of Louisville.
3. *Disruption of the Hsp90 protein complex by Geldanamycin in PC-12 cells Role of oxidative stress.* **Neuroscience Conference 2007.** Wiegand CB, Miller CJ, Sachleben Jr LR, Rane MJ, Gozal E. Departments of Pediatrics KCHRI, Pharmacology & Toxicology, Physiology & Biophysics, Medicine/Nephrology, University of Louisville.
4. *Disruption of Hsp90 Protein Complex by Geldanamycin in PC-12 Cells: Role of Oxidative Stress.* **University of Colorado Medical Scientist Training Program Annual MD/PhD Student Conference 2007.** Wiegand CB, Miller CJ, Sachleben Jr LR, Rane MJ, Gozal E. University of Louisville.
5. *Role of Geldanamycin in Akt/ERK-mediated PC-12 cells survival.* **Society for Neuroscience Conference 2006.** Wiegand CB, Rane MJ, Gozal E, Departments of Pharmacology & Toxicology, Pediatrics, and Medicine, University of Louisville.
6. *Hsp90 Inhibition by Geldanamycin Upregulates Expression of Heat Shock Proteins in PC-12*

- Cells. Cell Signaling World Conference 2006. Wiegand CB*, Rane MJ, Sachleben Jr LR, Wu R, Gozal E, Departments of Pharmacology & Toxicology, Pediatrics, Medicine, University of Louisville.
7. *Effect of Hsp90 Inhibition by Geldanamycin on PC-12 Cell Survival and Hypoxic Stress Response. Society for Neuroscience Conference 2005. Wiegand CB*, Rane, MJ, Sachleben Jr LR, Wu R, Gozal E, Departments of Pharmacology & Toxicology, Pediatrics, Medicine, University of Louisville.
 8. *Hsp90 inhibition induces PC-12 cell death and Akt downregulation without altering hypoxia induced Akt phosphorylation. Neuroscience Conference 2004.* Gozal E, Sachleben Jr LR, **Wiegand CB**, Wu R, Rane MJ. Departments of Pediatrics, Pharmacology & Toxicology, and Medicine, University of Louisville.

PUBLICATIONS

1. **Clark CB**, Rane MJ, El Mehdi D, Miller CJ, Sachleben LR Jr, Gozal E. *Role of oxidative stress in GA induced cytotoxicity and disruption of Hsp90 signaling complex. Free Radical Biology and Medicine.* 2009; 47: 1440 - 1449.
2. Klco JM, **Wiegand CB**, Narzinski K, Baranski TJ. *Essential role for the second extracellular loop in C5a receptor activation. Nature Structural & Molecular Biology.* 2005 April; 12(4): 320 - 326.
3. Wheeler TJ, **Wiegand CB**, Chien S. *Fructose-1, 6-Bisphosphate Enhances Hypothermic Preservation of Cardiac Myocytes. Journal of Heart and Lung Transplantation.* 2005 Sept; 24(9): 1378 - 1384.
4. Maggie LB Jr, Sadeghi H, **Wiegand C**, Scarim AL, Heitmeier MR, Corbett JA. *Anti-inflammatory actions of 15-deoxy-delta 12,14-prostaglandin J2 and troglitazone: evidence for heat shock-dependent and -independent inhibition of cytokine-induced inducible nitric oxide synthase expression. Diabetes.* 2000 March; 49(3): 346 - 355.
5. Al-Dahhan MH, Picker S, **Wiegand C**, Chen A. *Development of a biochemical experiment for the unit operations laboratory through an undergraduate research project. American Society for Engineering Education Proceeding.* 2000, S-2513.

RESEARCH EXPERIENCE

- Post-doctoral research, University of Louisville School of Medicine, Nigel Cooper, PhD
- Doctoral research, University of Louisville School of Medicine, Evelyne Gozal, PhD
- Medical student research, University of Louisville School of Medicine, Thomas Wheeler, PhD
- Undergraduate research, Washington University School of Medicine, Thomas Baranski, MD, PhD
- Undergraduate research, Washington University School of Engineering, Muthanna Al-Dahhan, PhD
- Pre-freshman research, Washington University School of Medicine, Ellen Li, MD, PhD