

## CURRICULUM VITAE

Kinsley Kelley Kiningham

### Business Address:

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### Biographical Sketch

#### Education

1989-1996 Ph.D. Toxicology, University of Kentucky, Lexington, KY  
1986-1989 M.S. Chemistry, Middle Tennessee State University, Murfreesboro, TN  
1982-1986 B.S. Chemistry/Biology, Middle Tennessee State University, Murfreesboro, TN

#### Professional Appointments

2017-Present Associate Dean of Student Affairs, Belmont College of Pharmacy  
2015-Present Professor; Department of Pharmaceutical, Administrative and Social Sciences, Belmont University College of Pharmacy  
2012-2017 Assistant Dean of Student Affairs, Belmont College of Pharmacy  
2009-Present Associate Professor, Dept. of Pharmaceutical, Social and Administrative and Social Sciences, Belmont University College of Pharmacy  
2006-2008 Associate Professor, Dept. of Pharmacology, Joan C. Edwards School of Medicine, Marshall University  
2002-2006 Assistant Professor, Dept. of Pharmacology, Joan C. Edwards School of Medicine, Marshall University  
1999-2002 Research Assistant Professor, University of Kentucky  
1996-1999 Postdoctoral Scholar, University of Kentucky

#### Honors & Awards

2023 MEDGala Spotlight Award  
2020 Staff Member of the Year  
2019 Distinguished Mentor Award  
2018 Distinguished Mentor Award  
2018 Friend of the BSPA Chapter Award  
2013 Rho Chi  
2013 Most Influential Faculty Member, Class of 2013 Hooding Ceremony, Belmont University  
2013 Presidential Faculty Achievement Award Recipient  
2012 Presidential Faculty Achievement Award Finalist  
2011 Health Information Technology Scholar  
2007 Delta Kappa Gamma Honorary Women's Teaching Sorority  
2005 Graduate Faculty Achievement Award  
2004 Who's Who in Medical Sciences Education  
1997 Outstanding Young Investigator Award, Oxygen Society Meeting,

	San Francisco, CA.
1996	Outstanding Young Investigator Award, Oxygen Society Meeting, Miami Beach, FL.
1992-1995	National Institute of Environmental Health Sciences Predoctoral Fellowship, University of Kentucky
1986	Cum Laude, Middle Tennessee State University
1985	Robert Brent Cook Memorial Scholarship
1984	Who's Who Among Students in American Universities & Colleges
1982	National Dean's List
1982-1990	John Holland Memorial Scholarship

### **Professional Service**

#### **Manuscript Reviewer:**

Toxicology  
 Toxicology Letters  
 Free Radicals in Biology and Medicine  
 Journal of Toxicology and Environmental Health, Part A, Current Issues  
 Frontiers in Pharmacology

#### **Scientific Panels-Judging**

2021-2022	Science Fair Judge, Hillsboro High School
2014-2018	Student Seminar Poster Presentation Judging, Belmont University College of Pharmacy
2011	Patient Counseling Competition, Belmont University School of Pharmacy
2010	Young Investigator Awards -Abstract Reviewer; Society for Free Radicals in Biology & Medicine Annual Meeting in Orlando, FL
2009	Science Fair Judge, Middle TN Science and Engineering Fair, Austin Peay State University, Clarksville, TN
2009	HOSA National Leadership Conference Judge, Nashville, TN
2005	Science Fair Judge, Burlington Elementary School
2008	Science Fair Judge, South Point Ohio Elementary
2008	Clinical Research Poster Judge, 21 <sup>st</sup> Annual Research Day, Marshall University

#### **Committees:**

Belmont University College of Pharmacy, Learning Specialist Search, Chair 2023  
 Belmont University College of Theology & Christian Ministry, Chair, 2021  
 College of Pharmacy Student Advisory Board, 2021-Present  
 College of Pharmacy Alumni Advisory Board, 2021-Present  
 Belmont University Massey College of Business Dean Search Committee, 2019-2020  
 Belmont University College of Nursing Search Committee(s) 2018-2019  
 Belmont University College of Pharmacy Associate Dean of Assessment and Academic Affairs Search Committee, 2018  
 Belmont University College of Pharmacy Dean's Search Committee, 2017  
 Belmont College of Pharmacy Assessment Committee; 2016-2017  
 Student Life Council Committee; 2016-2019

V2020 Task Force – Advising and Mentoring; 2016  
External Advisory Committee for Hillsboro High School; 2015-Present  
Belmont University Presidential Faculty Achievement Award Selection Committee, 2013-2016 (Chair of Committee in 2014-2015)  
Belmont University Faculty Scholarship Award Task Force, 2013-2018  
Belmont University College of Pharmacy Associate Dean of Assessment and Academic Affairs Search Committee, Chair, 2013  
Belmont University College of Pharmacy Student Leadership Committee, Chair, 2012-Present  
Belmont University College of Pharmacy Student Affairs Committee, Chair, 2012-Present  
Belmont University College of Pharmacy Admissions Committee, 2012-Present  
Belmont University College of Pharmacy Awards Committee, Chair, 2010-Present  
Belmont University College of Pharmacy Assessment Committee, 2011  
Belmont University Faculty Handbook Review Committee, 2009-2010  
Belmont University Student Affairs Committee, 2010-2012  
Belmont University College of Pharmacy Promotion & Tenure Committee, 2009-Present  
Belmont University College of Pharmacy Faculty Search Committees, 2009-2011  
Positions: Pharmacy Administration (1); Internal Medicine (3); Psychiatry (1);  
Pharmaceutics (1)  
Belmont University College of Pharmacy Curriculum Committee, 2009-2012  
Joan C. Edwards School of Medicine Curriculum Committee, 2007-2008; Marshall University.  
Department of Pharmacology, Physiology and Toxicology Faculty Search Committees, 2006  
Professional Development Subcommittee, Women in Science Committee: Society for Free Radicals in Biology & Medicine 2005-2010  
Graduate Studies Committee (Elected Member): 2005-2008  
Biotechnology Building Committee, 2005  
Joan C. Edwards School of Medicine Curriculum Committee, 2004-2005; Marshall University  
Graduate Student Mentoring/Rotation Committee, 2005-2008  
Department of Biochemistry Faculty Search Committee, 2005  
Graduate Studies Committee: Interim Member, 2005  
Department of Pharmacology Faculty Search Committees, 2002-2004

### **Invited Presentations**

Ham AJ, **Kiningham K**, Clauson AS. “Who Durnit? Utilizing a "Clue-Based" Game in a Toxicology Course” presentation at the Lilly Teaching Conference, Asheville, NC, August 1, 2022.  
Pharmacological Concepts of Opiates and Opioids that Impact Healthcare in 2018 Meharry 9<sup>th</sup> Annual Lloyd C. Elam Symposium, Opioid Crisis: Managing Challenges, Spring 2018  
*Admissions Information for Potential Students Pursuing the PharmD at Belmont College of Pharmacy*, PreScripts Organization, Middle Tennessee State University, Fall 2017  
*Admissions Information for Potential Students Pursuing the PharmD at Belmont College of Pharmacy*, Freshmen Seminar in Pharmaceutical Studies, Belmont University, Fall 2017-2019  
*Review of Buprenorphine Pharmacology*, Renewal House, Fall 2014  
*Buprenorphine Replacement Therapy and Pregnancy*, Renewal House Board of

Trustees, Fall 2014  
 Keynote Speaker, Alpha Chi Induction Ceremony, Belmont University, Spring 2014  
*Application to Belmont College of Pharmacy, PreScripts Pre-professional Student Organization, Middle Tennessee State University, Spring 2014-2016*  
 Cognitive and Behavioral Changes in Individuals Who Use Drugs of Abuse, Student Justice Presentation, Belmont University, Fall 2013  
 “How to Make the Most of Your College Experience”, Matriculation Ceremony, Belmont University 2013  
 Keynote Speaker, Summer Commencement Ceremony, Belmont University August, 2013  
*Admissions Information for Potential Students Pursuing the PharmD at Belmont College of Pharmacy, Freshmen Seminar in Pharmaceutical Studies, Belmont University, Fall 2012-2013*  
*Tips of the Trade: Free E-Learning Tools to Enhance the Classroom Experience, Belmont University Teaching Center, Spring 2012*  
*Retinoid-Dependent Differentiation and Development of Chemoresistance in Neuroblastoma, Belmont University School of Pharmacy, Biomedical Literature, Fall 2010*  
*The Pharmacology of Drugs of Abuse. Tennessee Bureau of Investigation-Pharmaceutical Diversions Investigations. Nashville, TN 2010*  
*Side Effects of Drugs: Implications for Occupational Therapy. Belmont University School of Occupational Therapy, Nashville, TN 2010*  
*Chemotherapeutic Treatment of Prostate Cancer, Men’s Health Fair, Marshall University 2006*  
*Chemotherapeutic Treatment of Breast Cancer, Women’s Health Fair Marshall University 2005*  
*The Role of Redox Status and AP-1 in Thimerosal-Induced Toxicity, NIOSH, Morgantown, West Virginia 2005*  
*Pharmacological Use of Retinoids in Cancer Therapy: Assessing the role of reactive oxygen species (ROS), Graduate Center for Toxicology Seminar Series, University of Kentucky 2004*  
*The Role of Manganese Superoxide Dismutase in Retinoid Differentiation of Neuroblastoma. Free Radical Research Group, University of Kentucky. 2003*  
*A “Radical” Approach to Cardiovascular Disease. St. Mary’s Cardiovascular Seminar Series, Huntington, WV. 2003*  
*Redox Regulation of Life and Death Decisions: The Role of Mitochondrial Antioxidant Status. Graduate Center for Nutritional Sciences Seminar Series, University of Kentucky 2001*  
*Manganese Superoxide Dismutase: It’s a Matter of Life and Death! Graduate Center for Toxicology Seminar Series, University of Kentucky 1999*  
*The Role of Mitochondrial Superoxide Dismutase in the Defense Against Oxidative Stress Induced by Xenobiotic and Endobiotic Sources. Society of Toxicology, Seattle Washington 1998*

### **Teaching Experience**

2019-Present	Pharmacodynamics I (PHM6110) Instructor
2019-Present	Pharmacodynamics II (PHM6145) Instructor
2019	Pharmacodynamics II (PHM6145) Course Director
2018	Pharmacodynamics I (PHM6110) Course Director

2017-Present	Nutrition, Course Director, Belmont University College of Pharmacy
2011	Biochemistry (PHM6115), Course Director, Belmont University College of Pharmacy
2010-Present	Drug Abuse and Addiction (6990.12), Course Director, Belmont University College of Pharmacy
2010-2012	Toxicology (6990.16), Course Director, Belmont University College of Pharmacy
2010-2014	Pharmacodynamics II (PHM6145), Course Director, Belmont University College of Pharmacy
2009-2016	Pharmacodynamics I (PHM6110), Course Director, Belmont University College of Pharmacy
2009-2017	Biochemistry (PHM6115), Instructor, Belmont University College of Pharmacy
2009	Freshman Year Seminar (GND1015), Course Director, Belmont University
2009-2012	Microbiology & Immunology (PHM6150), Instructor, Belmont University College of Pharmacy
2009, 2017, 2020	Pharmacodynamics II (PHM6145), Instructor, Belmont University College of Pharmacy
2008	Pharmacological Reviews (PMC 655), Course Director, Marshall University
2008	Medical Pharmacology, Course Director, Marshall University
2007	Cancer Biology, Marshall University
2006-2008	Communications, Biomedical Sciences, Marshall University
2006-2008	Invited Lecture; Central Nervous System Metabolism, Elimination and Detoxification; University of Kentucky's Graduate Center for Toxicology
2005	Medical Pharmacology, Course Director, Marshall University
2004-2008	General Toxicology (PMC 650), Marshall University
2003-2008	Molecular Cloning (BMS 670/BSC 483), Marshall University
2002-2008	Cellular and Molecular Biology (BMS 600), Marshall University
2002-2008	Introduction to Pharmacology, Marshall University
2002-2008	Medical Pharmacology, Marshall University
2001	Mentor, Outreach Summer Study Program. Provided daily supervision and training of a high school student interested in pursuing scientific studies in college. University of Kentucky
1997-2001	Contemporary Toxicology (TOX 509); University of Kentucky
1997-2002	Advanced Toxicology (TOX 680); University of Kentucky
1996	Mentor, Howard Hughes Summer Study Program. Provided daily supervision of undergraduate student pursuing an independent research project. University of Kentucky
1986-1989	Graduate Teaching Assistant. Organized and taught laboratory and review classes in general, organic and biochemistry, Middle Tennessee State University

**Faculty Mentored:**

Dr. Erin Shankel, Belmont University College of Nursing 2013

Dr. Angela Hagan, Belmont University School of Pharmacy 2010-2014

Dr. Mark Flood, Fairmont State University; WV-INBRE program 2008

## **Continuing Education/Professional Development**

- 2019 Mental Health First Aid USA, Nashville, TN
- 2018 Interim Meeting on Mental Health in Pharmacy Students and Faculty, Herndon, VA
- 2017 Question, Persuade, Refer (QPR): How to recognize suicidality, Belmont University
- 2014 Chairs & Academic Administrators Management Program, Atlanta, GA
- 2014 Title IX Investigator Training, Daniel Swinton, J.D., ED.D; Belmont Office of Student Affairs Workshop
- 2014 "Beyond Academic Survival: Helping Students Thrive", Laurie Schreiner; Belmont University Teaching Center Lunch Discussion, 2014
- 2013 "Improving Student Performance by Addressing Student and Teacher Misconceptions About Learning", Stephen Chew; Belmont University Teaching Center Faculty Workshop, 2013
- 2012 "E-hance" Your Sim Training: How to Develop E-Learning Content for Simulation Pre-Learning and Assessment; Steve Vance, M.D.; 12<sup>th</sup> Annual IMSH, San Diego, CA
- 2012 Developing Interprofessional Immersive Patient Care Management Scenarios, Jane Kleinman, R.N., MAOM; 12<sup>th</sup> Annual IMSH, San Diego, CA
- 2012 Dose of Reality: Simulation-Enhanced Nursing Pharmacology; Clinton Chichester, Ph.D.; 12<sup>th</sup> Annual IMSH, San Diego, CA
- 2012 Short Versus Long Simulation Scenarios: Which is Better?; Minid Anderson, Ph.D.; 12<sup>th</sup> Annual IMSH, San Diego, CA
- 2012 Virtual Communities: Contextualizing the Simulation and Lab Experiences; Michelle Aebersold, Ph.D.; 12<sup>th</sup> Annual IMSH, San Diego, CA
- 2012 Simulation in the Pre-Clinical Years: A Systematic Approach; Patricia Myers, B.S.; 12<sup>th</sup> Annual IMSH, San Diego, CA
- 2012 Breaking Down the Silos: Two Methods for Offering Interprofessional Learning Opportunities; Donald Woodyard, B.S.; 12<sup>th</sup> Annual IMSH, San Diego, CA
- 2012 Virtual Patient Simulation Pilot Program for Doctor of Pharmacy Students; Mark Douglass, PharmD; 12<sup>th</sup> Annual IMSH, San Diego, CA
- 2012 Using Simulation to Meet the Challenge of Providing Interprofessional Education Experiences for Nursing and Medical Students on Different Campuses; Mary Meyer, MSN, R.N.; 12<sup>th</sup> Annual IMSH, San Diego, CA
- 2012 Teaching Medical Error Disclosure and Apology Using High-Fidelity Simulation; Toni Walzer, M.D.; 12<sup>th</sup> Annual IMSH, San Diego, CA
- 2012 Moving Pharmacology Class to the Bedside Using Clinical Simulation; Maureen Tremel, MSN; 12<sup>th</sup> Annual IMSH, San Diego, CA
- 2011 Making Good Teaching Great, Dr. DeDe Wohlfarth: The Belmont University Teaching Center August 2011 Workshop
- 2011 Twelve Keys to Successful Grant Writing, Dr. Robert P. Lowman, Belmont University Office of Sponsored Projects
- 2011 Health Information Technology Scholars Program (HITS), Baltimore, MD
- 2010 Social Media and Pedagogy, Dr. Sybil Bennett: The Belmont University Teaching Center, August 2010 Workshop
- 2010 Creativity & The Brain, Dr. Jean DiPirro; The Belmont University Teaching Center August 2010 Workshop
- 2010 School of Alcoholism and Other Chemical Dependencies, University of Utah
- 2009 Integrated Course Design for Significant Learning; Dr. Virginia S. Lee, Sponsored by The Belmont University Teaching Center

- 2009 Teacher's Seminar: Technology in Teaching; Sponsored by American Association of Colleges of Pharmacy Annual Meeting, Boston, MA; Dr. Patrick Thaddeus Jackson
- 2009 Belmont University Spring Teaching Symposium
- 2009 Identifying Course Goals: Determining Course Structure and Activities, Sponsored by Belmont University School of Pharmacy, Dr. Eric Hobson
- 2006 Preparing for NIH Electronic Grant Applications, Sponsored by Marshall University Research Corporation
- 2006 Gene Set Enrichment Analysis Seminar, Sponsored by Marshall University, Genomics Core
- 2005: National Meeting of Directors of Graduate Studies in Pharmacology; Vanderbilt University, Nashville, TN.
- 2005 Early Career Women Faculty Professional Development Seminar, Sponsored by the Association of American Medical Colleges and Harvard Medical School, Department of Continuing Education, Santa Fe, NM
- 2005 Opening Doors: Leading the Laboratory; Sponsored by Society of Free Radicals in Biology and Medicine, Austin, TX
- 2004 Creating your style: What is your teaching perspective/learning perspective? Dr. Nancy Bennett. Faculty development workshop, Marshall University
- 2004 How to be an effective course director. Faculty development workshop, Marshall University
- 2003 Writing winning grants. Dr. Stephen Russell. Marshall University EPSCoR-sponsor. Faculty development workshop.

#### **National/Regional Meetings Attended**

- 2022 National Association of Student Personnel Administrators (NASPA) meeting, Baltimore, MD (virtual attendance)
- 2018 AACP Fall Institute 2018: Strategies to Promote A Culture of Well-Being Students and Faculty, Herndon, VA
- 2018 APhA Annual Meeting, Nashville, TN
- 2017 American Association of Colleges of Pharmacy, Nashville, TN
- 2014 2014 Tennessee Methamphetamine and Pharmaceutical Task Force Regional Meeting, Dickson, TN 2014
- 2013 American Association of Colleges of Pharmacy, Chicago, IL
- 2012 International Meeting on Simulation in Healthcare, San Diego, California
- 2009 American Association of Colleges of Pharmacy, Boston, Massachusetts
- 2008 Blending Addiction Science & Treatment: The Impact of Evidence-Based Practices on Individuals, Families and Communities (Sponsored by National Institutes of Drug Abuse), Cincinnati, Ohio.
- 2007 Society of Free Radicals in Biology in Medicine, Washington, D.C.
- 2006 Society of Free Radicals in Biology in Medicine, Denver, Colorado
- 2005 American Association of Cancer Research, Anaheim, California.
- 2005 Society of Free Radicals in Biology in Medicine, Austin, Texas
- 2003 Society of Free Radicals in Biology in Medicine, Seattle, Washington
- 2002 Society of Toxicology, Nashville, Tennessee
- 2002 Society of Free Radicals in Biology in Medicine, San Antonio, Texas

#### **Peer Review Publications**

1. **Kinningham, K.**, Bi, X., Kasarskis, E.J. Neuronal localization of metallothioneins in rat

- and human spinal cord. *Neurochemistry International*. 1995; 27(1):105-109.
2. **Kinningham, K.**, St. Clair, D.K. Overexpression of manganese superoxide dismutase selectively modulates the activity of Jun-associated transcription factors in fibrosarcoma cells. *Cancer Res*. 1997; 57:5265-5271.
  3. **Kinningham, K.**, Kasarskis, E.J. Antioxidant function of metallothioneins. *The Journal of Trace Elements in Experimental Medicine*. 1998; 11(2/3):219-226.
  4. Townsend, A.J., **Kinningham, K.K.**, St. Clair, D.K., Tephly, T.R., Morrow, C.S., Guengerich, F.P. Symposium overview: Characterization of xenobiotic metabolizing enzyme function using heterologous expression systems. *Toxicol. Sci*. 1999; 48:143-150.
  5. Xu, Y., **Kinningham, K.K.**, Devalaraja, M.N., Yeh, C.C., Majima, H., Kasarskis, E.J., St. Clair, D.K. An intronic enhancer is responsible for regulation of the human manganese superoxide dismutase gene by tumor necrosis factor alpha and interleukin-1 $\beta$ . *DNA & Cell Biol*. 1999; 18(9):709-722.
  6. **Kinningham, K.K.**, Oberley, T.D., Lin, S.M., Mattingly, C.E., St. Clair, D.K. Manganese superoxide dismutase (MnSOD) protects against mitochondrial-initiated polyADP ribose polymerase-mediated cell death. *FASEB J*. 1999; 13:1601-1610.
  7. **Kinningham, K.K.**, Xu, Y., Popova, B., St. Clair, D.K. NF $\kappa$ B dependent mechanisms coordinate the synergistic effect of TPA and cytokines on SOD2 induction. *Biochem. J*. 2001; 353:147-156.
  8. Zhao, Y., **Kinningham, K.K.**, Lin, S.M., St. Clair, D.K. Overexpression of MnSOD prevents murine fibrosarcoma cells (FSa-II) from apoptosis and promotes a differentiation program upon treatment with 5-azacytidine: Involvement of MAPK and NF $\kappa$ B pathways. *Antioxidants & Redox Signaling*. 2001; 3(3):375-386.
  9. Zhao, Y., Xue, Y., Oberley, T.D., **Kinningham, K.K.**, Lin, S.M., Yen, H.C., Majima, H., Hines, J., St. Clair, D.K. Overexpression of MnSOD suppresses tumor formation by modulation of activator protein-1 signaling in a multistage skin carcinogenesis model. *Cancer Res*. 2001; 61(16):6082-6088.
  10. Porntadavity, S., Xu, Y., **Kinningham, K.K.**, Rangnekar, V.M., Prachayasittikul, V., St. Clair, D.K. TPA-activated the transcription of the human MnSOD gene: The role of transcription factors SP-1 and Egr-1. *DNA & Cell Biol*. 2001; 20(8):473-481.
  11. St. Clair, D.K., Porntadavity, S., Xu, Y., **Kinningham, K.K.** Transcription regulation of the human manganese superoxide dismutase gene. *Methods in Enzymology*. 2002; 349:306-312.
  12. Daosukho, C., **Kinningham, K.K.**, Ittarat, W., St. Clair, D.K. The modulation of NF $\kappa$ B p50/p50 dimerization is responsible for enhancement of TNF- $\alpha$  mediated MnSOD induction by tamoxifen. *Oncogene*. 2002; 21(22):3603-3610.
  13. Oberley, T.D., Xue, Y., Zhao, Y., **Kinningham, K.K.**, Szweda, L.I., and St. Clair, D.K. In situ reduction of oxidative damage, increased cell turnover, and delay of mitochondrial injury by overexpression of manganese superoxide dismutase in a multistage skin carcinogenesis model. *Antioxidants and Redox Signaling* 2004; 6(3):537-548.
  14. **Kinningham, K.K.**, Daosukho, C., and St. Clair, D.K.S. Inhibitory kappa binding protein alpha identified as labile repressor of manganese superoxide dismutase expression. *Biochemical Journal* 2004; 384(3):543-549.
  15. Humphrey, M.L., Cole, M.P., Pendergrass, J.C., and **Kinningham, K.K.** Mitochondrial mediated thimerosal-induced apoptosis in a human neuroblastoma cell line (SK-N-SH). *NeuroToxicology* 2005; 26:407-416. **Featured on the Cover.**
  16. Harmon, C.R., Terneus, M.V., **Kinningham, K.K.** and Valentovic, M. Time dependent effect of p-Aminophenol (PAP) toxicity in renal slices and development of



- oxidative stress. *Toxicology and Applied Pharmacology*, 2005; 209:86-94.
17. Daosukho, C., Ittarat, W., Lin, S.-M., Sawyer, D.B., **Kinningham, K.** and St. Clair, D.K. Induction of manganese superoxide dismutase reveals a mechanism for cardioprotective tamoxifen effect. *Journal of Molecular and Cellular Cardiology*, 2005; 39(5): 792-803.
  18. Harmon, R.C., **Kinningham, K.K.**, and Valentovic, M.A. Pyruvate reduces 4-aminophenol In vitro Toxicity. *Toxicology & Applied Pharmacology*, 2006; 213:179-186.
  19. Cole, M.P., Chaiswing, Luksana, Oberley, T.D., Edelmann, S.E., Piascik, M.T., Lin, S.-M., **Kinningham, K.K.** and St. Clair, D.K. The protective roles of nitric oxide ( $\text{NO}$ ) and superoxide dismutase (SOD) in adriamycin (ADR)-induced cardiotoxicity. *Cardiovascular Res.* 2006; 69(1): 186-197.
  20. Moore, M.R., Spence, J.B., **Kinningham, K.K.**, and Dillon, J.L. Progesterin inhibition of cell death in human breast cancer cell lines. *Journal of Steroid Biochemistry and Molecular Biology*, 2006; 98:218-227.
  21. Herdman, M.L., Marcelo, A., Huang, Y., Niles, R.M., Dhar, S., and **Kinningham, K.** Thimerosal induces apoptosis in a neuroblastoma model via the cJun N-terminal kinase pathway. *Toxicological Sciences*, 2006; 92(1):246-253.
  22. Anantharaman, M., Tangpong, J., Keller, J.N., Murphy, M.P., Markesbery, W.R., **Kinningham, K.K.**, St. Clair, D.K. Beta-amyloid mediated nitration of MnSOD: Implication for oxidative stress in an  $\text{APP}^{\text{NLh/NLh}} \times \text{PS-1}^{\text{P264L/P264L}}$  double knock-in mouse model of Alzheimer's disease. *American Journal of Pathology*, 2006.; 168(5):1608-1618.
  23. Terneus, M.V., **Kinningham, K.K.**, Carpenter, A.B., Sullivan, S. and Valentovic, M. Comparison of S-Adenosyl-L-methionine and N-acetylcysteine Protective Effects on Acetaminophen Hepatic Toxicity, *J. of Pharmacol and Exp Ther.*, 2007; 320:99-107.
  24. **Kinningham, K.K.**, Cardozo, Z.A., Cook, C., Cole, M.P., Stewart, J.C., Tassone, M., Coleman, M.C. and Spitz, D.R. All-*trans* retinoic acid induces manganese superoxide dismutase in human neuroblastoma through NF $\kappa$ B. *Free Radical Biol & Medicine* 2008; 44:1610-1616.
  25. Holley, A., **Kinningham, K.K.**, Spitz, D.R., Edwards, D.P., Jenkins, J.T. and Moore, M.R. Progesterin stimulation of manganese superoxide dismutase and invasive properties in T47D human breast cancer cells. *Journal of Steroid Biochemistry and Molecular Biology*, 2009; 117 (1-3): 23-30.
  26. Xu, Y., Fang, F., Miriyala, S., Crooks, P., Oberley, T., Chaiswing, L., Noel, T., Holley, A., Zhao, Y., **Kinningham, K.**, St. Clair, D.K., and St. Clair, W. KEAP1 is a redox sensitive target that arbitrates the opposing radiosensitive effects of parthenolide in normal and cancer cells. *Cancer Res.*, 2013, 73, 4406-4417.
  27. Cole, M.P., Tangpong, J., Oberley, T.D., Chaiswing, L., **Kinningham, K.K.**, and St. Clair, D.K. Nuclear interaction between ADR-induced p65 and p53 mediates cardiac injury in iNOS (-/-) mice. *PLoS One*. 2014; 9(2):e89351.
  28. Silvis, A.M., McCormick, M., Spitz, D.R. and **Kinningham, K.K.** Redox balance influences differentiation status of neuroblastoma in the presence of all-*trans* retinoic acid. *Redox Biology*, 2016, (7) 88-96.
  29. Clauson, A., Hahn, L., Frame, T., Hagan, A., Bynum, Leigh Ann, Thompson, M.E., Kinningham, K. An innovative "escape" exercise to assess student capability to work in teams and think critically. *Currents in Pharmacy Teaching and Learning*, 2018, accepted 2019.

#### **Book Chapters:**

1. Cole, M.P., Chaiswing, L., Oberley, T.D., **Kinningham, K.K.** and St. Clair, D.K. Superoxide, superoxide dismutases and cardiovascular dysfunction. In: *Mechanisms of Cardiovascular Aging*. Ed. T. Hagen, 11:233-280, Elsevier, 2002.
2. Silvis, A., and **Kinningham, K.K.** Receptor Independent Effects of Retinoids. In:

- Nutrition and Cancer, Bentham E-Books, 2012.
3. **Kiningham, K.** Manganese Superoxide Dismutase. Manganese Superoxide Dismutase In: Aschner, M. and Costa, L.Ed., ed. *Manganese in Health and Disease*, 2015: 79-102.

### Short Publications:

**New Drug and Biological Approvals of 2008, *Inquiry***, A publication of the Belmont University Drug Information Center

**Imagination Changes the Brain, *The Art of Teaching***, Vol. 18 (1), November 2010; A quarterly newsletter published by the Belmont University Teaching Center

### Web-Based Learning

X-Pharm: The Pharmacology Database. On-line contributing author

### Interdisciplinary Education Simulations

1. Alcohol Intoxication Psychiatric Emergency Nursing; Beth Hallmark, PhD, R.N.; **Kelley Kiningham, Ph.D.**; Jamie Adam, Ph.D., R.N.; SimMan Scenario; 2011  
Alcohol Acute Withdrawal Nursing & Pharmacy; Beth Hallmark, Ph.D., R.N.; Jamie Adam, Ph.D., R.N.; **Kelley Kiningham, Ph.D.**; SimMan 3G Instructor Mode Scenario; 2011
2. End of Life Cervical Cancer Metastasis to Lung-Nursing; Beth Hallmark, Ph.D., R.N., **Kelley Kiningham, Ph.D.**, Jamie Adam, Ph.D., R.N.; SimMan Scenario; 2011
3. Alcohol Acute Withdrawal Nursing & Pharmacy; Beth Hallmark, Ph.D., R.N.; Jamie Adam, Ph.D., R.N.; **Kelley Kiningham, Ph.D.**; SimMan 3G Scenario; 2011
4. Outpatient Pharmacy Anaphylaxis; Phil Johnston, PharmD; **Kelley Kiningham, Ph.D.**, Beth Hallmark, Ph.D., R.N.; SimMan 3G Instructor Mode Scenario; 2011;

### Community Service

2022	Feed the Children
2022	Monroe Carell Children's Hospital
2022	The Last Minute Toy Store
2021-2022	The Nashville Rescue Mission
2021	The Next Door
2021	People Loving Nashville
2016-2023	Hillsboro High School Advisory Board
2020-2021	Volunteer; The Little Pantry That Could
2009-2019	Volunteer; Harpeth Heights Baptist Church
2008-2022	Operation Christmas Child
2014-2018	Volunteer; Renewal House; Truck or Treat
2004-2008	Volunteer, Huntington Area Food Bank, Huntington, WV
2004	Volunteer, Salvation Army Christmas Toy Drive, Huntington, WV
2009	Volunteer, Feed The Children, Nashville, TN
2009	Arthritis Foundation Walk, David Lipscomb University, Nashville, TN
2009-2018	Volunteer, Ronald McDonald House, Nashville, TN
2009	Feed the Starving Children, Sponsored by Belmont University
2010	Flood Recovery Effort, Nashville, TN
2010	American Cancer Society, Breast Cancer Walk in Nashville, TN
2011-2018	Volunteer, Easter Egg Hunt at Renewal House; Nashville, TN

- 2011 Volunteer, Sponsored Household Products Drive with Class of 2013 for Renewal House, Nashville, TN
- 2011 Volunteer, Shepherd's House First Annual Awareness Dinner, Tullahoma, TN
- 2011 Volunteer, Sponsored School Supply Drive with BUSOP Faculty for Renewal House, Nashville, TN
- 2011-2012 Volunteer, Preston Taylor Ministries, Nashville, TN
- 2012 Volunteer, Renewal House, Nashville, TN (Leadership project)
- 2012 Volunteer, Renewal House, Nashville, TN (Painting project)
- 2012 Volunteer, Nashville Cares, Nashville, TN through Hands on Nashville
- 2012-2016 Volunteer, Little Pantry That Could, Nashville, TN through HanHands-on Nashville
- 2012 Volunteer, Second Harvest, Nashville, TN through SERVE project at Belmont
- 2012-2018 Volunteer, Nashville Cares, HIV/AIDS Walk
- 2012-2013 Volunteer, Nashville Cares, Delivery of Holiday Meals
- 2014-2018 Volunteer, Trunk or Treat, Renewal House, Nashville, TN

### Abstracts

1. **Kinningham, K.** and Kasarskis, E.J. Mercury toxicity: Band III mediated transport. Society of Neuroscience Meeting, Anaheim, CA. 1992, 18:1609.
2. **Kinningham, K.**, Bi, G.X., and Kasarskis, E.J. Metallothionein: Nuclear localization in spinal cord. Society of Neuroscience Meeting, Washington, D.C. 1993, 19:198.
3. **Kinningham, K.** and Kasarskis, E.J. Isoform purification in human frontal cortex. Society of Neuroscience Meeting, Miami, FLA 1994, 20:1653.
4. **Kinningham, K.**, Lin, A., and St. Clair, D.K. Overexpression of manganese superoxide dismutase (MnSOD) modulates activity of the transcription factors AP-1 and CREB. The Oxygen Society Meeting, Miami Beach, FLA 1996.
5. **Kinningham, K.**, Oberley, T.D, Sempf, J., and St. Clair, D.K. Overexpression of manganese superoxide dismutase (MnSOD) protects against mitochondrial-mediated hypoxic cell death. The Oxygen Society Meeting, San Francisco, CA 1997.
6. St. Clair, D.K., Oberley, T.D., Majima, H. and **Kinningham, K.K.** The role of mitochondrial superoxide dismutase in the defense against oxidative stress induced by xenobiotic and endobiotic sources. SOT Symposium, Seattle, WA. 1998.
7. St. Clair, D.K., Yen, H.C., Safford, S., Urano, M., Kuroda, M., **Kinningham, K.K.**, Ho, Y.S., and Oberley, T.D. The role of MnSOD in drug resistance and cardiac toxicity. The Oxygen Society Meeting, Washington, D.C. 1998.
8. Xu, Y., **Kinningham, K.K.**, Devalaraja, M.N., Yeh, C.C., Majima, H., Kasarskis, E.J., and St. Clair, D.K. Identification of enhancer elements responsible for regulation of the human MnSOD gene by TNF and IL-1. The Oxygen Society Meeting, Washington, D.C. 1998.
9. **Kinningham, K.K.**, Oberley, T.D., and St. Clair, D.K. Manganese superoxide dismutase (MnSOD) protects against mitochondrial-mediated programmed cell death. The Oxygen Society Meeting, Washington, D.C. 1998.
10. **Kinningham, K.K.**, Daosukho, C., and St. Clair, D.K. Dimethyl sulfoxide (DMSO) enhances cytokine inducibility of the SOD2 gene. The Oxygen Society Meeting, New Orleans, LA 1999.
11. **Kinningham, K.K.**, Xu, Y., Daosukho, C., Popova, B., and St. Clair, D.K. Phorbol-12-myristate 13-acetate (TPA) enhances cytokine inducibility of the SOD2 gene. The Oxygen Society Meeting, New Orleans, LA 1999.
12. Porntadavity, S., Xu, Y., **Kinningham, K.K.**, Prachayasitikul, V., and St. Clair, D.K.

- TPA-induced activation of the human MnSOD promoter: Possible involvement of transcription factors, SP-1, Egr-1, and AP-2. The Oxygen Society Meeting, San Diego, CA 2000.
13. Lin, S.M., Oberley, T.D., **Kinningham, K.K.**, and St. Clair, D.K. Exacerbation of cardiotoxicity induced by adriamycin in tumor necrosis factor receptors knockout mice. The Oxygen Society Meeting, San Diego, CA 2000.
  14. Zhao, Y., Oberley, T.D., **Kinningham, K.K.**, and St. Clair, D.K. Overexpression of MnSOD suppresses tumor promotion by modulating AP-1 signaling in a multistage skin carcinogenesis model. Selected for oral presentation. The Oxygen Society Meeting, San Diego, CA 2000.
  15. Zhao, Y., **Kinningham, K.K.**, and St. Clair, D.K. Overexpression of MnSOD prevents murine fibrosarcoma cell (F5a-II) apoptosis and induces a differentiation program upon treatment with 5-azacytidine. The Oxygen Society Meeting, San Diego, CA 2000.
  16. Daosukho, C., **Kinningham, K.K.**, Ittarat, W. and St. Clair, D.K. The modulation of NF $\kappa$ B p50/p50 dimerization is responsible for enhancement of TNF- $\alpha$  mediated MnSOD induction by tamoxifen. The Oxygen Society Meeting, San Diego, CA 2000.
  17. **Kinningham, K.K.**, Daosukho, C., and St. Clair, D.K. I $\kappa$ B- $\alpha$  identified as “super-suppressor” of manganese superoxide dismutase (MnSOD) expression. The Oxygen Society Meeting, San Diego, CA 2000.
  18. Porntadavity, S., Xu, Y., **Kinningham, K.**, Rangnekar, V.M., Prachayasitikul, V., and St. Clair, D.K. TPA-activated transcription of the human MnSOD gene: The role of transcription factors SP-1 and Egr-1. The Oxygen Society Meeting, Research Triangle Park, N.C. 2001.
  19. Cole, M.P., Oberley, T.D., Lin, S.M., **Kinningham, K.**, and St. Clair, D.K. Loss of adaptive response to oxidative stress and exacerbation of adriamycin-induced cardiac injury in inducible nitric oxide synthase homozygous knock-out mice (iNOS (-/-)). The Oxygen Society Meeting, Research Triangle Park, N.C. 2001.
  20. Daosukho, C., **Kinningham, K.**, Ittarat, W., and St. Clair, D.K. Tamoxifen enhancement of TNF- $\alpha$  induced MnSOD expression: Modulation of NF $\kappa$ B dimerization. The Oxygen Society Meeting, Research Triangle Park, N.C. 2001.
  21. **Kinningham, K.K.**, Grimes, K., Flood, D., Markesbery, W., Butterfield, D.A. and St. Clair, D.K. Manganese superoxide dismutase (MnSOD) is an early target of nitration in a “double knock-in mouse model” of Alzheimer’s disease. Selected for Oral Presentation. The Oxygen Society Meeting, Research Triangle Park, N.C. 2001.
  22. Cole, M.P., Oberley, T.D., Lin, S.M., **Kinningham, K.K.** and St. Clair, D.K. Inducible nitric oxide synthase knock-out mice exhibit increased oxidative stress injury in response to adriamycin-induced cardiotoxicity. Society of Toxicology, Nashville, TN 2002.
  23. **Kinningham, K.K.**, Cole, M.P., Pendergrass, J.C. and St. Clair, D.K. Mitochondrial mediated apoptosis in a human neuroblastoma cell line (SK-N-SH) by thimerosal: a proapoptotic role for nuclear factor kappa binding protein (NF $\kappa$ B). Society of Toxicology, Nashville, TN 2002.
  24. Cole, M.P., Lin, S.M., Chaiswing, L., **Kinningham, K.K.**, Oberley, T.D. and St. Clair, D.K. Intricate relationship between nitric oxide (NO) and superoxide dismutases (SOD) in the protection against adriamycin (ADR)-induced cardiotoxicity. Oxygen Society, San Antonio, TX 2002.
  25. Daosukho, C., **Kinningham, K.**, Lin, S.M., Ittarat, W., and St. Clair, D.K. Regulation of MnSOD by Tamoxifen and TNF- $\alpha$  in fibroblasts and cardiomyocytes. Oxygen

- Society, San Antonio, TX 2002
26. Robertson, E.E., **Kinningham, K.K.**, and Rankin, G.O. HK-2 cells as a human model of renal organic anion transport. Experimental Biology, San Diego, CA 2003.
  27. Dillon, J.L., Spence, J.B., **Kinningham, K.K.** and Moore, M.R. Progesterone inhibition of breast cancer cell death. Joan C. Edwards School of Medicine 16<sup>th</sup> Annual Research Day. 2003.
  28. Harmon, R.C., Valentovic, M.A. and **Kinningham, K.K.** Role of pyruvate in protection from renal toxicity of p-aminophenol (PAP) in Fischer 344 (F344) rats. Joan C. Edwards School of Medicine 16<sup>th</sup> Annual Research Day, 2003.
  29. **Kinningham, K.**, Davis, J., Stewart, J., Cook, C., Dhar, S., and Cole, M. All-trans retinoic acid (ATRA) mediated differentiation of neuroblastoma: potential role of manganese superoxide dismutase (MnSOD). Society for Free Radicals in Biology and Medicine, Seattle, WA 2003
  30. Velez, J., **Kinningham, K.**, Zhao, Y., Oberley, T., and St. Clair, D.K. Taxol induces MnSOD interaction with p53 in the mitochondria. Society for Free Radicals in Biology and Medicine, Seattle, WA 2003
  31. Cole, M., Chaiswing, L., Oberley, T., **Kinningham, K.** and St. Clair, D.K. Reactive oxygen species generated by adriamycin (ADR) play a central role in the distribution of transcription factors between nuclear and mitochondrial compartments. Selected for oral presentation. Society for Free Radicals in Biology and Medicine, Seattle, WA 2003
  32. Daosukho, C., Lin, S.M., **Kinningham, K.** and St. Clair, D.K. MnSOD expression protects against adriamycin induced cardiac injury. Society for Free Radicals in Biology and Medicine, Seattle, WA 2003
  33. Humphrey, M.L., Huang, Y., Niles, R.M. and **Kinningham, K.K.** Thimerosal induces apoptosis in a neuroblastoma model: Potential role of AP-1 transcription factor. Joan C. Edwards School of Medicine 17<sup>th</sup> Annual Research Day, 2004. Selected for oral presentation.
  34. Marcelo, A., Cook, C., Humphrey, M., and **Kinningham, K.K.** All-trans retinoic acid (ATRA) protects against cisplatin-mediated apoptosis. Sigma Xi Research Day, Marshall University 2004.
  35. Muthuswamy, A., Tangpong, J., **Kinningham, K.**, Flood, D., Markesbery, W.R., and St. Clair, D.K. Beta-amyloid mediated nitration of MnSOD: Implication for oxidative stress in a double knock-in mouse model of Alzheimer's Disease., OVSOT, University of Kentucky, 2004.
  36. Velez, J., **Kinningham, K.**, Zhao, Y., Oberley, T., and St. Clair, D. Interaction between MnSOD and p53 reveals a mitochondrial-mediated mechanism of taxol-induced peripheral neuropathy. Society for Free Radicals in Biology and Medicine, St. Thomas, Virgin Islands, 2004.
  37. Cole, M., Chaiswing, L., Oberley, T., **Kinningham, K.**, and St. Clair, D. Overexpression of MnSOD suppresses p53-mediated ADR-induced cardiac injury in mice lacking iNOS. Society for Free Radicals in Biology and Medicine, St. Thomas, Virgin Islands, 2004.
  38. **Kinningham, K.K.** and Cook, C. Reactive oxygen species as potential signal mediators in all-trans retinoic acid mediated differentiation of neuroblastoma. AACR, Anaheim, CA, 2005.
  39. Humphrey, M.L., Huang, Y., Niles, R.M. and **Kinningham, K.K.** Thimerosal-induced activation of the JNK/AP-1 signaling cascade: a potential pathway to neuronal apoptosis. Joan C. Edwards School of Medicine 18<sup>th</sup> Annual Research Day, 2005. MUSOM.
  40. Marcelo, A., Humphrey, M., Cook, C., Stewart, J.C. and **Kinningham, K.K.**

Antioxidants block thimerosal-induced stress response and attenuate cellular damage in a human neuroblastoma cell line (SK-N-SH). Joan C. Edwards School of Medicine 18<sup>th</sup> Annual Research Day, 2005. **Recipient of “Best Oral Presentation” award.**

41. Holley, A.K., **Kinningham, K.K.**, and Moore, M. Progesterone stimulation of manganese superoxide dismutase in T47D human breast cancer cells. Joan C. Edwards School of Medicine 18<sup>th</sup> Annual Research Day, 2005; **Recipient of “Best Poster” award.**
42. Terneus, M., **Kinningham, K.**, and Valentovic, M. The effect of S-adenosyl-L-methionine (SAME) on mitochondrial glutathione and protein carbonyls following acetaminophen (APAP) treatment in mice. Joan C. Edwards School of Medicine 18<sup>th</sup> Annual Research Day, 2005. **Chosen for oral presentation.**
43. Davis, T., Cook, C., Humphrey, M., Marcelo, A., Tassone, M., **Kinningham, K.** and Spitz, D. Upregulation of manganese superoxide dismutase protein and activity by all-trans retinoic acid (ATRA): potential roles of NFκB and retinoic acid receptors. WV-INBRE Research Day, 2005.
44. Herdman, M. and **Kinningham, K.** Thimerosal-induced activation of redox-sensitive JUN N-terminal kinase (JNK) and activator protein-1 (AP-1) transcription factors in a neuroblastoma cell line. **Chosen for Oral Presentation**, Free Radicals in Biology and Medicine, 2005.
45. Muthuswamy, A., Tangpong, J., Keller, J.N., Markesbery, W.R., **Kinningham, K.K.**, Murphy, M.P., Flood, G.D. and St. Clair, D.K. Beta-amyloid mediated nitration of MnSOD: implication for oxidative stress in an APP NLh/NLh x PS-1P264/PS-1P264L double knock-in mouse model of Alzheimer’s disease. Free Radicals in Biology and Medicine, 2005.
46. Marcelo, A., Herdman, M., Cook, C., **Kinningham, K.** N-acetylcysteine (NAC) and trolox attenuate thimerosal-induced oxidative stress and apoptosis. Joan C. Edwards School of Medicine 19<sup>th</sup> Annual Research Day, 2006. **Recipient of “Best Poster Presentation” award.**
47. Herdman, M.L. and **Kinningham, K.** Thimerosal-induced apoptosis occurs in a cJUN N-terminal kinase (JNK)-dependent manner in a human neuroblastoma cell line (SK-N-SK). Joan C. Edwards School of Medicine 19<sup>th</sup> Annual Research Day, 2006. **Recipient of “Best Oral Presentation” award.**
48. Holley, A.K., **Kinningham, K.K.**, Spitz, D.R., Edwards, D.P. and Moore, M.R. Progesterone stimulation of manganese superoxide dismutase in T47D human breast cancer cells. Endocrine Society, Boston, MA 2006.
49. Terneus, M., **Kinningham, K.K.**, Valentovic, M. and Prince, A. Comparison of S-Adenosyl-L-Methionine (SAME) and N-Acetylcysteine (NAC) Effect on Acetaminophen Mediated Induction of Toxicity in Mice. Joan C. Edwards School of Medicine 19<sup>th</sup> Annual Research Day, 2006.
50. **Kinningham, K.**, Spitz, D., Cook, C., and Marcelo, A. Upregulation of Manganese Superoxide Dismutase mRNA, Protein and Activity by All-Trans Retinoic Acid (ATRA): Potential Roles of NFκB and the Retinoic Acid Receptor-α. Free Radicals in Biology and Medicine, 2006.
51. Asbury, M.L., Tassone, M.I., Marcelo, A.J., Cook, C.R. and **Kinningham, K.K.** Acute Dopamine Stimulation in SK-N-MC Neuroepithelioma Cells Causes Activation of the Redox-Sensitive AP-1 Transcription Factor, Oxidative Stress and Apoptosis. Free Radicals in Biology and Medicine, 2006. **Chosen for Oral Presentation.**
52. Cardozo, Z.A., Silvis, A., and **Kinningham, K.** All-trans retinoic acid (ATRA) induces resistance to cisplatin (CDDP) in the SK-N-SH neuroblastoma cell line: a potential mechanism through modulation of Bcl<sub>XL</sub> and Bax. Joan C. Edwards School of

Medicine 82<sup>nd</sup> Meeting of the West Virginia Academy of Sciences. **Recipient of “Best Poster” award.**

53. Asbury, M.L., Tassone, M.I. and **Kinningham, K.K.** Acute dopamine stimulation of human neuroepithelioma cells causes activation of the AP-1 transcription factor, oxidative and nitrosative stress and apoptosis: A mechanistic model for methamphetamine-induced neurotoxicity. Joan C. Edwards School of Medicine 20<sup>th</sup> Annual Research Day, 2007.
54. Asbury, M.L., Tassone, M.I. and **Kinningham, K.K.** Dopamine stimulated neuroepithelioma cells results in iNOS upregulation, oxidative stress, and apoptosis: A novel model for studying methamphetamine-induced neurotoxicity. 82<sup>nd</sup> Meeting of the West Virginia Academy of Sciences. Recipient of **“Best Oral Presentation”** award, 2007.
55. Hunter, V.E., Silvis, A., Marcelo, A. and **Kinningham, K.K.** N-acetyl-L-cysteine (NAC) enhances all-trans retinoic acid (ATRA)-mediated differentiation through modulation of retinoid receptor transcriptional activity. **Chosen for Oral Presentation.** WV-INBRE Research Day 2007.
56. Asbury, M.L., Tassone, M.I. and **Kinningham, K.K.** Heme oxygenase-1 (HO-1) Induction: a p38-Mediated, Redox Sensitive, Cellular Response to Acute Dopamine Stimulation in an in vitro Model of Addiction. Submitted to the Society for Free Radicals in Biology and Medicine, 2007.
57. Cardozo, Z.A. and **Kinningham, K.K.** Acute All-Trans Retinoic Acid (ATRA) Pretreatment Induces Resistance to Cisplatin (CDDP) in the SK-N-SH Cell Line In Part Through NFκB Dependent Modulation of Intrinsic Apoptosis. Submitted to the Society for Free Radicals in Biology and Medicine, 2007.
58. Silvis, A.M., Hunter, V. and **Kinningham, K.K.** N-acetyl-L-cysteine enhances all-*trans* retinoic acid mediated differentiation of SK-N-SH neuroblastoma cells. **Chosen for oral presentation.** Joan C. Edwards School of Medicine 21<sup>st</sup> Annual Research Day, 2008.
59. Holley, A.K., **Kinningham, K.K.**, Spitz, D.R., Edwards, D.P., Jenkins, J.T. and Moore, M.R. Progesterin stimulation of manganese superoxide dismutase and invasive properties in T47D human breast cancer cells. The Endocrine Society’s 91<sup>st</sup> Annual Meeting, 2009.
60. **Kinningham, K.K.** and Webster, A.A. Assessment of Attitudes/Perceptions of On-Line Review Materials in Pharmacodynamics: Comparing Methods Used and Scholastic Performance. AACP’s Annual Meeting 2009. (Boston, MA)
61. Asbury, M.L., Tassone, M.I., and **Kinningham, K.K.** The specific mechanism by which DA-induces MAPK p38 activation serves as a molecular switch between cellular protection and cellular destruction in a model of methamphetamine neurotoxicity: the role of dopamine D1 receptors and the redox-sensitive transcription factor AP-1, Society for Free Radicals in Biology and Medicine 2009. (San Francisco, CA) **Selected for oral presentation and Travel Award.**
62. Asbury, M.L., Tassone, M.I. and **Kinningham, K.K.** Acute dopamine stimulation causes apoptosis in SK-N-MC cells through D1 receptor stimulation, redox-induced p38 mediated AP-1 activity, and lack of an adaptive response by MnSOD: an in vitro model of methamphetamine neurotoxicity. Submitted to the Society of Neuroscience for a NIDA sponsored travel award 2009.
63. Silvis, A., Napper, J., Sollars, V.E., and **Kinningham, K.K.** All-trans retinoic acid mediated differentiation of neuroblastoma parallels increase in reactive oxygen species formation. Society for Free Radicals in Biology and Medicine 2009 (San Francisco, CA)
64. Silvis, A. and **Kinningham, K.K.** Differentiation induction with all-trans retinoic acid

- (ATRA) parallels reactive oxygen species (ROS) generation in neuroblastoma cells. 22<sup>nd</sup> Annual Joan C. Edwards School of Medicine Research Day, 2010.
65. Asbury, M.L., Tassone, M.I., Egleton, R and **Kinningham, K.K.** The specific mechanism by which dopamine-induces MAPK p38 activation serves as a molecular switch between cellular protection and destruction in a model of methamphetamine neurotoxicity. 22<sup>nd</sup> Annual Joan C. Edwards School of Medicine Research Day, 2010. Recipient of “**Best Graduate Student Oral Presentation**” award.
  66. Silvis, A., Hardman, E.W., and **Kinningham, K.K.** Differentiation induction with all-trans retinoic acid parallels reactive oxygen species formation in neuroblastoma cells. WVEPSCOR Star Symposium 2010.
  67. Silvis, A. and **Kinningham, K.K.** N-L-acetylcysteine enhances all-trans retinoic acid mediated expression of differentiation markers in neuroblastoma cells independent of an increase in glutathione, or decrease in dichlorofluoroscein fluorescence. Society for Free Radicals in Biology and Medicine 2010 (Orlando, FL).
  68. Silvis, A. and **Kinningham, K.K.** Silencing of MnSOD attenuates ATRA-induced neurofilament expression in neuroblastoma cells. American Association for Cancer Research 2011 (Orlando, FL).
  69. Silvis A, **Kinningham K.** Neuroblastoma differentiation marker is enhanced by silencing of the MnSOD gene. Joan C. Edwards School of Medicine 23<sup>rd</sup> Annual Research Day 2011. Recipient of “**Best Basic Science Presentation**” Award.
  70. **Kinningham, K.** and Hallmark, B. HITS Project: Interprofessional Simulation in Pharmacy and Nursing. **Chosen for oral presentation and poster.** International Meeting on Simulation in Healthcare, San Diego, CA. 2012
  71. Sweat, A., Lim, Henry and **Kinningham, K.K.** Hydrogen Peroxide Contributes to Cisplatin-Mediated Toxicity in Neuroblastoma. ASHP Midyear Meeting, New Orleans, LA 2015.
  72. Karst, A., Boils, Caussandra and **Kinningham, K.K.** Antiproliferative and Chemosensitizing Effects of Metformin in Neuroblastoma Cell Lines. ASHP Midyear Meeting, Las Vegas, NV 2016.
  73. Ham, A.J.L., **Kinningham, K.** and Clauson, A. ToxiClue Murder Mystery Game to Enhance Pharmacy Student Learning in a Toxicology Course. AACP Annual Meeting, Grapevine Texas, 2022.



**Funding:**

**Travel Award Presented by the Belmont University Teaching Center 2010 to Attend the Utah School on Alcoholism and Other Drug Dependencies, June 2010.**

Amount of Award: \$200.00

**Previous: Manganese Superoxide Dismutase Mediated Retinoid Differentiation of Neuroblastoma**

Research Challenge Grant

Source: State of West Virginia/Marshall University

Principal Investigator: Kinsley K. Kinningham, Ph.D.

Percent Effort: 20%

\$20,000; 2/1/03-1/31/04

Type of Award: Internal Pilot Project Grant

**Mechanism of Thimerosal-Induced Neurotoxicity (1R15ES012209-01)**

Principal Investigator: Kinsley K. Kinningham, Ph.D. (20% effort)

Type of Award: Academic Research Enhancement Award (R15) \$100,000

Funding: 4/1/03-4/1/06

**Nutritional Intervention Model of Nitric Oxide for Cardioprotection with Chemotherapeutic Drugs**

\$20,000 Awarded 12/04-12/06

Principal Investigator: Kinsley K. Kinningham, Ph.D.

Percent Effort: 10%

Type of Award: Research Challenge Award, West Virginia

**Retinoids, NF $\kappa$ B, and Manganese Superoxide Dismutase (MnSOD) in Neuroblastoma**

Principal Investigator: Kinsley K. Kinningham, Ph.D.

Percent Effort: 50%

\$680,157; 7/1/04-6/30/09

Type of Award: Centers of Biomedical Research Excellence (COBRE)

