CURRICULUM VITAE

ROBERT C. SMART
Goodnight Distinguished Chair in Molecular Toxicology
Professor, Department of Biological Sciences and Toxicology Program
Member, Center for Human Health and the Environment
North Carolina State University
Raleigh, NC 27695-7633
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EDUCATION

University of Massachusetts Dartmouth
North Dartmouth, Massachusetts
Biology, B.S. 1977

University of Michigan
Ann Arbor, Michigan
Toxicology, Ph.D. 1984

Roche Institute of Molecular Biology
Department of Molecular Oncology
Laboratory of Experimental Carcinogenesis and Metabolism
Postdoctoral Fellow 1984-1986

RESEARCH INTERESTS

Major Interests include: i) keratinocyte/cutaneous biology and skin cancer, ii) identification and characterization of genes/signaling pathways that are determinants of susceptibility to cancer particularly as it relates to gene-environment interactions**,** iii) regulating regulated cell death: These studies are focused on CCAAT/enhancer binding protein transcription factors (C/EBPs), Nrf2 and long noncoding RNAs
http://smartlab.wordpress.ncsu.edu

EMPLOYMENT/AFFILIATIONS

2019-present	Goodnight Distinguished Chair in Molecular Toxicology Professor, Department of Biological Sciences and Toxicology Program North Carolina State University
2013-2019	William Neal Reynolds Distinguished Professor Department of Biological Sciences North Carolina State University
2012	North Carolina Agromedicine Institute Faculty Affiliate
2012	William Neal Reynolds Distinguished Professor Department of Environmental and Molecular Toxicology North Carolina State University
2010-2022	Director, Center for Human Health and the Environment NIEHS-funded Environmental Health Science Core Center https://chhe.research.ncsu.edu

	North Carolina State University
2006-2015	Member, Center for Comparative Medicine and Translational Research Oncology Research Core College of Veterinary Medicine North Carolina State University
2004-2013	Director of Graduate Programs Department of Environmental and Molecular Toxicology North Carolina State University
2001-Present	Adjunct Faculty Member Integrated Toxicology and Environmental Health Program Duke University
2001-2021	Director, NIH Training Program/Grant in Molecular Pathways to Pathogenesis in Toxicology https://tox.sciences.ncsu.edu/degree-programs/graduate-program/niehs
2000-Present	Member of Genomic Sciences Graduate Program North Carolina State University
1997-2013	Professor Department of Environmental and Molecular Toxicology North Carolina State University
1996-Present	Member of Comparative Biomedical Sciences Graduate Program Pharmacology and Cell Biology Programs College of Veterinary Medicine North Carolina State University
1996-2011	Director of Molecular and Cellular Toxicology Graduate Study Option Department of Environmental and Molecular Toxicology North Carolina State University
1991-1996	Associate Professor Department of Toxicology North Carolina State University
1989-1993	Director, NIH Training Program/Grant in Environmental and Biochemical Toxicology
1989-2008	Member of Nutrition Faculty North Carolina State University
1988-Present	Member of Biotechnology Faculty North Carolina State University
1988-1993	Director of Graduate Programs Department of Toxicology & Toxicology Program North Carolina State University
1986-1991	Assistant Professor Department of Toxicology North Carolina State University
1984-1986	Postdoctoral Fellow (Advisor Allan H. Conney, Member, NAS) Department of Molecular Oncology Laboratory of Experimental Carcinogenesis and Metabolism Roche Institute of Molecular Biology Nutley, New Jersey
1980-1984	Predoctoral Fellow – Toxicology (Advisor Vincent Zannoni, Professor) Department of Pharmacology

	University of Michigan Medical School Ann Arbor, Michigan
1978-1980	Biochemist New England Nuclear Corporation Boston, Massachusetts

HONORS AND AWARDS

Goodnight Distinguished Chair in Molecular Toxicology (2019)
Elected Chair, NC State Research Leadership Academy (2018)
Alumni Outstanding Research Award (2017)
NC State Research Leadership Academy (2017)
William Neal Reynolds Distinguished Professor (2012-2019)

PROFESSIONAL SOCIETIES

American Association for Cancer Research
Society of Toxicology
North Carolina Regional Chapter of the Society of Toxicology

PROFESSIONAL ACTIVITIES

SCIENTIFIC SOCIETIES, EDITORIAL BOARDS AND MEETING ORGANIZER

2018	Epigenetics, Environment and Human Heath, Second Annual CHHE Symposium, Organizing Committee
2017	NIEHS Environmental Health Science Core Centers Meeting – Member Organizing Committee, Emory University
2017	Toxic Metals – From Exposures and Model Systems to Human Populations, First Annual CHHE Symposium, Organizing Committee
2015	Center for Human Health and the Environment – Retreat – Contemporary Art Museum, Raleigh, NC
2010	Evaluating the Health Effects to Local Communities of Confined Animal Feeding Operations (CAFOs) Co-Organizer, McKimmon Conference Center, NC State University
2009	New Insights into Skin Homeostasis and Carcinogenesis Symposium, Co-Chair Society of Toxicology Baltimore MD
2008-09	Reviewed/site visited Toxicology Program at Gulf Medical College, Ajman, United Arab Emirates
2007	Determinants of Genome Stability and Human Disease Symposium, Co-Organizer, Friday Center, Chapel Hill, NC
1996-1998	Member of the Editorial Advisory Board for Skin Pharmacology
1996	Nominating Committee, Carcinogenesis Specialty Section, Society of Toxicology
1996	Program Committee, American Association for Cancer Research, 87th Annual Meeting
1996	Member of the Editorial Advisory Board for Oncology Reports
1993-1994	President, North Carolina Regional Chapter of the Society of Toxicology
1992-1993	Vice President, North Carolina Regional Chapter of the Society of Toxicology

1988-1990	Councilor, North Carolina Regional Chapter of the Society of Toxicology
1987-1989	Board of Directors, Genotoxicity and Environmental Mutagen Society
1985-1994	Member of the Editorial Advisory Board for The Journal of Drug Metabolism and Disposition (ASPET)

SERVICE TO OTHER UNIVERSITIES

2018-present	Member, External Advisory Board, Duke University, Program in Environmental Heath and Toxicology
2017	Chair, Program Review Team for the UNC Chapel Hill Curriculum in Toxicology, University of North Carolina at Chapel Hill
2017-present	Member External Advisory Board, NIH RCMI Center for Health Disparities Research U54 grant, North Carolina Central University
2010-2012	Duke University Environmental Health Science Core Center Member External Advisory Board

GRANT REVIEW PANELS

2019	National Cancer Institute - site visit review of the Laboratory of Cancer Biology and Genetics, site visit team member
2018	National Institute of Environmental Health Sciences, P30 applications
2016	National Institute of Environmental Health Sciences, R25 applications, Chair
2016	National Institute of Environmental Health Sciences, Board of Scientific Councilors, Ad Hoc Member, Intramural Program Review
2015	National Institutes of Health, Systemic Injury by Environmental Exposure Study Section, Ad Hoc member
2012	National Institute of Environmental Health Sciences K awards Panel
2011	National Toxicology Program Technical Reports Review Panel
2010	National Institutes of Health, Special Emphasis Panel
2009	National Institute of Environmental Health R13 Review Panel
2009	National Institute of Environmental Health Sciences – Tenure and Promotion Committee, Ad Hoc Member
2009	National Institutes of Health, RC1 grant reviews
2003-2007	National Institute of Environmental Health Sciences, Environmental Health Science Review Committee, Member
2002	National Institute of Environmental Health Sciences – Tenure and Promotion Committee, Ad Hoc Member
2001	National Institute of Environmental Health Sciences Special Emphasis Panel, Review of Program Project Grant Application, *Ad hoc* member
2001	CIIT Centers for Health Research, Scientific Advisory Committee, *Ad hoc* member
2000	National Cancer Institute, Laboratory of Cellular Carcinogenesis and Tumor Promotion, Reviewer of Intramural Program and Member of Site Visit Team
1999	National Institute of Arthritis and Musculoskeletal and Skin Diseases, *Ad hoc* Reviewer

1997	National Institute of Environmental Health Sciences, SBIR-Phase 1
1997	National Institute of Environmental Health Sciences, RFP Review
1997	National Institute of Environmental Health Sciences, Training Grant and Conference Grant Review
1995	American Cancer Society, *Ad hoc* reviewer
1994	National Institute of Environmental Health Sciences, *Ad hoc* Reviewer
1992	National Institute of Environmental Health Sciences, RFP Review - Chairman
1992	National Institute of Environmental Health Sciences, SBIR-Phase 1 and 2
1991	National Institute of Environmental Health Sciences, SBIR-Phase 1
1991	National Institute of Environmental Health Sciences, Sixth Annual Report on Carcinogens
1990	National Institute of Environmental Health Sciences, RFP Review
1990	National Institute of Environmental Health Sciences, Promotion/Tenure *Ad hoc* member
1990	National Institute of Environmental Health Sciences, Special Study Section, Training Grant Supplements

UNIVERSITY COMMITTEES

2020	Member, Strategic Planning Task Force -Strengthening University- Wide Interdisciplinarity
2019-2020	Chair, Search Committee, 4th Cluster Hire in Environmental Health Science
2018-present	Chair, Faculty Advisory Committee, Molecular Education, Technology and Research Innovation Center (METRIC)
2018-2019	Chair, Research Leadership Academy
2017-2018	Chair-Elect, Research Leadership Academy
2017-present	Member, Search Committee, High-Dimensional Integration of Biological Systems Interdisciplinary Faculty Cluster
2014-2016	Member, Growth of Doctoral Education Implementation Team
2013-2017	Member, University Research Committee
2012-present	Leader, CFEP Environmental Health Sciences Cluster
2012-2013	Chair, Search Committee, Cluster Hire in Environmental Health Sciences

COLLEGE COMMITTEES (COS, CALS, CVM, CED)

2020	Member, Comparative Biomedical Sciences Graduate Program Review
2018-2019	Member, University Scholars Committee, COS
2018-2019	Chair, Professor of Distinction Review Committee, COS
2017-2018	Member, Professor of Distinction Review Committee, COS
2018	Member, Search Committee, Dept. Head, Molecular Biomedical Sciences, CVM
2018-2021	Member, Advisory Board NIH R25 Environmental Health Research Experiences for Teachers in High-Poverty Schools: A Professional Development Program CED
2017-present	Member, Internal Stakeholder Advisory Committee, Plant Science Initiative CALS
2014-2015	Member, Dept of Biological Sciences Search Committee for Head, COS

2012	Member, Search Committee, Director Center for Comparative Medicine and Translational Research CVM
2011-2013	Member, CALS Graduate Studies Committee
2009-2011	Member, CALS Search Committee for Cluster Hire Plants for Human Health Institute
2008-2009	Member, CALS Search Committee for Associate Dean and Director of Research
2008-2010	Member, CALS Reappointment, Tenure and Promotion Committee
2005-2012	Member, CALS Biological Recourses Facility Advisory Committee
1998-2000	Member, CALS Research Committee

DEPARTMENT AND TOXICOLOGY PROGRAM COMMITTEES

2022-	Member, Advisory Committee to Department Head
2014-2015	Member, Advisory Committee to Department Head
2002-2019	Chair, Admissions Committee, Toxicology Program
2020-Present	Members, Admissions Program, Toxicology Program
2007-Present	Animal Welfare Liaison, Toxicology Program
2007-Present	Member, Graduate Student Progress Committee
2007	Member, Toxicology Faculty Search Committee
2004-2013	Chair, Masters of Toxicology Student Committees
2004-2006	Member, Graduate Program and Curriculum Committee
2003-2004	Member, Recruitment Committee
2001-2004	Chair, Written Exam Committee
2001	Chair, Faculty Search Committee, Molecular Toxicology
2002	Chair, Faculty Search Committee, Toxicogenomics
1998-2002	Chair, Recruitment Committee
1998-2001	Member, Admissions Committee
1997-2001	Member, Toxicology Building Committee
1997-1998	Chair, Toxicology Website Committee
1997	Chair, Curriculum Committee
1988	Chair, Faculty Search Committee Toxicology

FACULTY MENTORING

Mentoring

Shobhan Gaddameedhi, Biological Sciences, COS (Environmental Health Sciences Cluster)

Michael Bereman, Biological Sciences, COS (Environmental Health Sciences Cluster)

Michael Cowley, Biological Sciences, COS (Environmental Health Science Cluster) (NIH NIEHS K22 Award Chair, Advisory Committee K22ES027510 9/2017-8/2020)

Jonathan Hall, Biological Sciences, COS

Jane Hoppin, Biological Sciences, COS (Environmental Health Sciences Cluster)

Catherine Hoyo, Biological Sciences, COS (Environmental Health Sciences Cluster)

Heather Shive, Population Health and Pathobiology, CVM (NIH K01 Award Co-Mentor K01OD021419 3/2016-2/2021)

Jennifer Luff, Population Health and Pathobiology, CVM (NIH K01 Award Co-Mentor K01OD023219 9/2017-6/2022)

Former Mentoring

Shobhan Gaddameedhi, Biochemistry and Biophysics UNC-CH NIH K99/R00 Award

Yu-Ying He, Dermatology, University of Chicago (NIEHS R01 Outstanding New Environmental Health Scientist (ONES) Award)
Scott McCulloch, Environmental and Molecular Toxicology, (NIEHS R01 Outstanding New Environmental Health Scientist (ONES) Award) (CALS)
Jun Ninomiya-Tsuji, Environmental and Molecular Toxicology (CALS)
Yoshi Tsuji, Environmental and Molecular Toxicology (CALS)

ACTIVE RESEARCH FUNDING

7/21-6/26	NIH-T32-ES07046 Molecular Pathway to Pathogenesis in Toxicology, ($2,118,297 Total Costs) PI S. Kullman, Co-I R.C. Smart
6/16-5/23	NIH-R01-ES024471 Role of Long Intergenic Noncoding RNA in UVB-induced Apoptosis and Skin Cancer ($1,679,000 Total Costs) PI R.C. Smart

PENDING RESEARCH FUNDING

PAST RESEARCH FUNDING

4/20-3/25	NIH-P30-ES025128 Center for Human Health and the Environment ($7,500,354 Total Costs) PI R.C. Smart (stepped down as PI 4/1/2022)
8/20-7/22	Lineberger Comprehensive Cancer Center, UNC-CH Role of Activated NRF2 Signaling in the Development of Cutaneous Squamous Cell Carcinoma ($150,000 Direct Costs) Co-PIs R.C. Smart and B.E. Weissman
7/15-6/21	NIH-T32-ES07046 Molecular Pathway to Pathogenesis in Toxicology, PI and Training Grant Director R.C. Smart ($1,352,000 Total Costs)
4/15-3/20	NIH-P30-ES025128 Center for Human Health and the Environment ($6,127,354 Total Costs) PI R.C. Smart
11/17-10/19	NIH-R21-ES029353 Assessing Impact of Drinking Water Exposure to GenX in the Cape Fear River Basin North Carolina ($430,000) PI J.A. Hoppin Co-I R.C. Smart
5/18-8/18	NIH-R01-ES024471 Administrative Supplement for Undergrad Summer Student PI R.C. Smart ($18,000) PI R.C. Smart
4/09-3/16	NIH-R01-GM068812 TAK1 Signaling in Tissue Homeostasis, PI Jun Ninomiya-Tsuji, Co-I R.C. Smart
7/10-6/15	NIH-T32-ES07046 Molecular Pathways to Pathogenesis in Toxicology PI and Training Grant Director R.C. Smart
7/07-6/15	NIH-R01-CA46637 Role of C/EBP in Cell Survival and Neoplasia PI R.C. Smart
7/10-6/13	NIH-F32-ES Role of C/EBPα in Genome Stability and Tumor Progression PI J.R. Hall, Co-I R.C. Smart
1/05-12/11	NIH-R01-ES012473 Regulation and Function of C/EBP in UVB Responses PI R.C. Smart
6/10-12/11	NIH-R01-ES012473-S1 Recovery Act Funds for Administrative Supplements Providing Summer Research Experiences for Students and Science Educators PI R.C. Smart
7/03-6/10	NIH-T32-ES07046 Training in Biochemical and Environmental Toxicology. Training Grant Director-R.C. Smart
2/01-1/07	NIH-R01-CA46637- Role of C/EBPs in Squamous Differentiation and Neoplasia. PI R.C. Smart

7/96-6/01	NIH-R01-ES08127- Mechanism of Pesticide Mirex-Induced Tumor Promotion. PI - R.C. Smart
5/96-4/01	NCI-R01-CA46637 Diacylglycerols and Multistage Carcinogenesis PI – R.C. Smart
3/93-8/95	MITRE Corporation-N78245- Role of Signal Transduction Pathways in Chemical Carcinogenesis. PI-R.C. Smart
3/93-2/96	NIH-P01-ES00044 – Project # 3Mechanisms of Pesticide-Induced Multistage Carcinogenesis PI R.C. Smart
7/92-6/94	American Cancer Society-CN-19CD- Endogenous Diacylglycerols and the Alteration of Protein Kinase C in Tumors. PI-R.C. Smart
7/90-6/92	American Cancer Society-CN19AB- sn-1,2-Diacylglycerols: Endogenous Tumor Promoters? PI-R.C. Smart
5/90-4/96	NCI-R29-CA46637- Diacylglycerols as Endogenous Tumor Promoters. PI-R.C. Smart
5/89-12/93	NIH-T32-ES07046 Training in Biochemical and Environmental Toxicology, PI and Training Grant Director-R.C. Smart
7/88-6/90	American Cancer Society-BC-644- Cutaneous Metabolism, Penetration and Tumorigenicity of sn-1,2-Dioctanoylglycerol. PI-R.C. Smart
3/88-2/93	NIH-P01-ES00044- Project#5- Mechanisms of Organochlorine Pesticide-Induced Tumor Promotion PI-R.C. Smart

INVITED PRESENTATIONS

2020	NRF2 Working Group – UNC-CH, Wash U
2020	Toxicology Program/Center for Human Health and the Environment
2018	East Carolina University, Symposium on Multidisciplinary Research
2018	American Society for Photobiology Biennial Meeting, Tampa FL
2017	Research Triangle Environmental Health Collaborative
2017	University of Cincinnati, Center for Environmental Genetics
2017	Brody School of Medicine, ECU Dept. of Pharmacology and Toxicology
2016	Brody School of Medicine, ECU Department of Dermatology
2016	NC State, Department of Molecular and Structural Biochemistry
2016	Robinson Institute, University of Adelaide, Australia
2016	University of Wollongong, Australia
2016	Center for Marine Sciences and Technologies, NC State
2015	University of North Carolina-Charlotte Dept. of Biology
2015	North Carolina Central University, Cancer Center
2104	University of Surrey, UK
2013	Genetics and Environmental Mutagenesis Society Spring Symposium, Mechanisms of Environmental Carcinogenesis, US EPA, RTP, NC
2012	Stewards of the Future; Research for Human Health and Global Sustainability, McKimmon Center, North Carolina State University
2012	Careers in Toxicology Workshop, NC Biotechnology Center, RTP, NC
2011	North Carolina State University Department of Molecular and Structural Biochemistry
2010	International Skin Carcinogenesis Conference, University Park, PA
2009	University of North Carolina, Chapel Hill - Center of Environmental Health and Susceptibility

2009	National Institute of Environmental Health Sciences, Laboratory of Molecular Carcinogenesis
2009	New Insights into Skin Homeostasis and Carcinogenesis Symposium, Co-Chair and Speaker Society of Toxicology, Baltimore, MD
2008	Mechanisms of Toxicity – Toxicant Risk Factor Interactions in Chronic Disease, Gordon Conference, Lewiston, ME
2008	National Institute of Environmental Health Sciences, Laboratory of Molecular Toxicology and Pharmacology, RTP, NC
2007	Determinants of Genome Stability and Human Disease Symposium, Co-Organizer and Speaker, Friday Center, Chapel Hill, NC
2006	Columbia University, Department of Dermatology, New York, NY
2006	National Institute of Environmental Health Sciences, Laboratory of Pharmacology and Chemistry and Laboratory of Molecular Toxicology, RTP, NC
2005	University of Kentucky, Toxicology Program, Lexington KY
2004	National Institute of Environmental Health Sciences, Laboratory of Molecular Carcinogenesis, RTP, NC
2004	CIIT Centers for Health Research, RTP, NC
2004	University of Kentucky, Dept. of Molecular and Biomedical Pharmacology, Lexington, KY.
2004	Ohio Valley Society of Toxicology Annual Meeting, Lexington KY
2004	National Cancer Institute, Laboratory of Protein Dynamics and Signaling, Frederick, MD
2001	Duke University, Integrated Toxicology Program, Durham, NC
2001	National Institute of Environmental Health Sciences, Receptors Mechanisms Group, RTP, NC
2000	Imperial Cancer Research Fund (ICRF), London, UK
2000	AstraZeneca, Macclesfield, Cheshire, UK
2000	National Institute of Environmental Health Sciences, Molecular Carcinogenesis, RTP, NC
2000	National Institute of Occupational Health and Safety, Laboratory of Molecular Toxicology, Morgantown, WV
1999	National Institute of Environmental Health Sciences, Laboratory of Pharmacology, RTP, NC
1998	Colorado State University; Center for Environmental Toxicology and Technology, Fort Collins, CO
1998	National Cancer Institute, Laboratory of Comparative Carcinogenesis, Frederick, MD
1998	Second Intercontinental Meeting of Hair Research Societies, Washington, DC
1998	National Cancer Institute, Eukaryotic Transcriptional Regulation Group, Frederick, MD.
1998	North Carolina State University, Department of Biochemistry
1997	Annual Conference for Reproductive Biologist in the Research Triangle, Friday Center, University of North Carolina at Chapel Hill, NC
1997	Procter and Gamble Company, Sharon Woods Technical Center, Cincinnati, OH

1997	North Carolina State University, Department of Poultry Science, Raleigh, NC
1997	C.L. Davis Seminar, Central South Division, CVM, North Carolina State University
1996	Experimental Skin Carcinogenesis: Second International Conference, M.D. Anderson Cancer Center, University of Texas
1996	National Institute of Environmental Health Sciences, Cell Biology Group, RTP, NC
1996	National Cancer Institute, Eukaryotic Transcriptional Regulation Group, Frederick, MD.
1996	Bowman Gray School of Medicine, Wake Forest University, Comprehensive Cancer Center, Winston-Salem, NC
1996	Bowman Gray School of Medicine, Wake Forest University, Department of Dermatology, Winston-Salem, NC
1996	Society of Toxicology Meeting, Speaker, De-Regulation of Ras Signaling by Toxic Injury, Anaheim, CA
1995	American Association for Cancer Research Meeting, Co-chairman, Tumor Progression: Intracellular and Extracellular Signals. Toronto Canada
1994	Therapeutic Potential of Biological Antioxidants, Linus Pauling Institute of Science and Medicine, Tiburon, CA
1994	National Institute of Environmental Health Sciences, RTP, NC
1993	Chemical Institute of Toxicology, RTP, NC
1993	North Carolina State University, Dept. of Biochemistry Raleigh, NC
1993	University of Tennessee, Department of Pathobiology, Knoxville, TN
1992	University of North Carolina, Curriculum in Toxicology, Chapel Hill, NC
1992	Texas A & M University, Toxicology Program, College Station, TX
1992	American Association for Cancer Research Meeting, Co-chairman, Signal Transduction and Tumor Promotion, San Diego, CA
1992	Rutgers University, Department of Chemical Biology and Pharmacognosy, Piscataway, NJ
1991	National Institute of Environmental Health Sciences, Receptor Mechanisms Series, Research Triangle Park, NC
1991	MITRE Corporation, McLean, VA
1991	Duke University, Integrated Toxicology Program, Durham, NC
1990	National Cancer Institute Symposium, Vitamin C: Biological Function and Relation to Cancer, Bethesda, MD
1990	U.S.-Japan Meeting, Pesticides and the Future: Toxicological Studies of Risks and Benefits, Rockville, MD
1989	National Institute of Environmental Health Sciences - Cell Biology Group, Research Triangle Park, NC
1989	Medical College of Virginia, Department of Pharmacology & Toxicology, Richmond, VA
1989	University of Michigan, Department of Environmental & Industrial Health, Ann Arbor, Michigan
1988	University of North Carolina, Carcinogenesis Series, Chapel Hill, NC

1988	Burroughs Wellcome Symposium, Dermal Toxicology. North Carolina State University, Raleigh, NC
1987	Environmental Protection Agency, Research Triangle Park, NC

Teaching Experience

Past Lecturer in the following courses within the Toxicology Program, Dept of Biological Sciences, and Dept. of Molecular Biomedical Sciences: Principles of Pharmacology, Fundamentals of Toxicology, Molecular and Biochemical Toxicology, Responsibilities in Science and Cancer Biology Course. Former lecturer Molecular Biology of the Cell, Dept. of Biochemistry; Former Course Coordinator; Molecular and Biochemical Toxicology 1992-2006, Chemical Carcinogenesis 1990-2006

Graduate Student Training

Ph.D. Students

Current Ph.D. students for which I am chair;

Currently a member on students Ph.D. committee

Former Ph.D. students for which I was chair; (Current position)

Kevin J. Mills (1991) Toxicology (Research Scientist, Procter & Gamble Company)
Laura A. Hansen (1992) Toxicology (Professor, Creighton University Medical School)
Glenda J. Moser (1993) Toxicology (Division Manager, Integrated Laboratory Systems, NC)
David M. Owens (1996) Toxicology (Associate Professor, Columbia University Medical School)
Tae Won Kim (1996) Toxicology (Executive Director, Toxicology Ionis Pharmaceuticals)
Hye-Sun Oh (1997) Toxicology (Senior Principal Scientist, Boehringer Ingelhein Pharmaceuticals)
HuiQin Wang (2000) Environ. and Molecular Toxicology (Scientist, Novartis Institute)
Michael E. Vianna (2000) Environ. and Molecular Toxicology (Toxicologist, Dynamic Corp NC)
Karen L. Porter (2001) Environ. and Molecular Toxicology (Toxicologist, US Army)
Minsub Shim (2003) Environ. and Molecular Toxicology (Associate Professor, Midwestern University, Glendale Campus)
Kyungsil Yoon (2004) Environ. and Molecular Toxicology (Senior Researcher, National Cancer Center, S Korea)
Sarah J. Ewing (2007) Comparative Biomedical Sciences (Dean, Morosky College of Health Professionals and Sciences, Gannon University)
Kari D. Loomis (2008) Functional Genomics Program (Associate Professor, Curry College, MA)
Elizabeth Thompson (2009) Environ. and Molecular Toxicology (Lecturer, NC State)
Rakesh Ranjan (2009) Environ. and Molecular Toxicology (Scientist II, Bayer CropScience, NC)
John S. House (2011) Environ. and Molecular Toxicology (Staff Scientist, NIEHS)
Hann Tam (2016) Toxicology Program (Post-doc, NC State, NC)
Zachary Messenger (2018) Toxicology Program (Toxicologist, Radeas)

Former Ph.D. students for which I was co-chair;

James Christensen (1998) Toxicology (Chief Scientific Officer, Mirati Therapeutics)
Christopher Saranko (1998) Toxicology (Principal, GeoSyntec Consultants)
Lynn Crosby (1999) Toxicology (Toxicologist, US FDA)

Theresa Allio (1999) Toxicology (Project Manager, US FDA)
John Couse (2004) Toxicology (Vice President, Taconic Biosciences)
Leslie Tompkins (2007) Environ. and Molecular Toxicology (Toxicologist, US FDA)
Elizabeth MacKenzie (2007) Environmental and Molecular Toxicology (Medical Writer/Editor ETSI)
Kiros Hailemariam (2007) Environ. and Molecular Toxicology (Toxicologist, US FDA)
Wei-Chun Huangfu (2007) Environmental and Molecular Toxicology (Associate Professor, Taipei Medical University)

Former Ph.D. students for which I was a committee member

Mark Wolfe - Toxicology
Richard T. Miller - Microbiology, Pathology and Parasitology CVM
Jinngwu Lee - Anatomy, Physiological Sciences and Radiology CVM
Hongfei Li - Anatomy, Physiological Sciences and Radiology CVM
Scott Knowles - Toxicology
Michael Lawton - Toxicology
Vickie Burnette - Toxicology
Leon King - Toxicology
Donald Keleman - Poultry Science
Christina Johnson - Microbiology
Nong-Hoon Choe - Anatomy, Physiological Sciences and Radiology CVM
Patricia Chalada - Toxicology
Ladda Tangbangnukul - Toxicology
Lynn Blalock - Toxicology
Kenneth Rudo - Toxicology
Darrick Sauls - Food Science
Javier Cisneros - Comparative Biomedical Sciences
David Draper - Microbiology
Fang He - Comparative Biomedical Sciences
Debra Piddington - Microbiology
Michelle Rau -Toxicology Duke University
Jennifer O'Brien -Microbiology
Muriel Saulnier -Comparative Biomedical Sciences
Pierre Bushel - Bioinformatics
Jin-Ah Park - Environmental and Molecular Toxicology
Christopher Brynczka - Environmental and Molecular Toxicology
Scott Morefield - Functional Genomics
Amber Goetz - Environmental and Molecular Toxicology
Cheng Wan - Molecular and Structural Biochemistry
Leah Rose - Comparative Biomedical Sciences
Steve Simmons - Environmental and Molecular Toxicology
Everado Macias - Comparative Biomedical Sciences
Cheng Wan – Molecular and Structural Biochemisty
Jennifer Zurney - Microbiology
Randall Reynolds - Comparative Biomedical Sciences
JaeYoung Kim - Environmental and Molecular Toxicology
Peter Broglie - Environmental and Molecular Toxicology
Christopher Sistrunk - Comparative Biomedical Sciences

Larissa Williams - Environmental and Molecular Toxicology
Joshua Warren - Statistics
Tae-Hyung Kim – Comparative Biomedical Sciences
Xian Wang – Comparative Biomedical Sciences
Huiying Zhang - Environmental and Molecular Toxicology
Susan Fetics – Molecular and Structural Biochemistry
Bo Wen Huang – Environmental and Molecular Toxicology
Brian Sayers – Environmental and Molecular Toxicology
Ellen Glista – Environmental and Molecular Toxicology
Sun Hye Kim – Comparative Biomedical Sciences
Sam Suarez- Environmental and Molecular Toxicology
Zi Wang – Statistics/Bioinformatics
Renee Beardslee – Environmental and Molecular Toxicology
Kelly Shipkowski – Environmental and Molecular Toxicology
Kimberly Herman – Environmental and Molecular Toxicology
SungHyun Lee – Comparative Biomedical Sciences
Alicia Simmons – Environmental and Molecular Toxicology
Rachel Spreng – Bioinformatics
Yosuke Sakamachi – Toxicology Program
Rachel Spreng – Bioinformatics
Yosuke Sakamachi – Toxicology Program
Gina Hilton – Toxicology Program
Katherine Duke – Toxicology Program
Mark Ihrie – Toxicology Program
Vassili Kouprianov – Comparative Biomedical Sciences Program
Sarah Quinlan, Comparative Biomedical Sciences
Wilfred Lopez-Perez, Toxicology Program

Master of Science and Master of Toxicology Students
Current MS and MTOX students for which I am chair;

Former MS/MTOX students for which I was chair;
Catherine Crawford – MS Toxicology
Anne Marie Colapietro - MS Toxicology
Glenda Moser – MS Toxicology
Kevin J. Mills – MS Toxicology
Thedor A. Zainel – MS Toxicology
Dominique Williams – MS Environmental and Molecular Toxicology
JianLi Huang – MTOX Environmental and Molecular Toxicology
Sabrinia Rodgers – MTOX Environmental and Molecular Toxicology
Abbey Wood – MTOX Environmental and Molecular Toxicology
Brent Gilbert – MTOX Environmental and Molecular Toxicology
Michelle Oh – MTOX Environmental and Molecular Toxicology
Lamont Booker – MTOX Environmental and Molecular Toxicology
Supriya Vasudevan – MTOX Environmental and Molecular Toxicology
Victoria Youn – MTOX Environmental and Molecular Toxicology
Johnathan Owens – MTOX Environmental and Molecular Toxicology
Rose Verhoeven – MTOX Environmental and Molecular Toxicology

September Mihaly- MTOX Environmental and Molecular Toxicology
Angela Hofhine- MTOX Environmental and Molecular Toxicology
Kirsten Amaral – MTOX Environmental and Molecular Toxicology
Devin Pastoor – MTOX Environmental and Molecular Toxicology
Sarah Koury-MTOX Environmental and Molecular Toxicology
Olga Sichevaya-MTOX Environmental and Molecular Toxicology

Former MS student for which I was a committee member;

Fred Stratton de Pollok - Marine, Earth and Atmospheric Science
Hope Hart - Microbiology
Lee Briley - Poultry Science
Karen Porter - Toxicology
Linda Schmidt - Toxicology
Darryl Stuart - Toxicology
Dana Danger - Toxicology
Scott Knowles – Toxicology

Postdoctoral Students

Current Posdoctoral Students

Former Postoctoral Students (Current Position)

Sharon A. Meyer (Associate Professor, University of Louisiana at Monroe)
Boumdiene Bouzahzah (Research Scientist, Albert Einstein School of Medicine)
Joan Rivers (unknown)
Audrey Goodell (Director, Clinical Development, Salix Pharmaceuticals)
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