

Steven Richard Myers, B.S., M.S., PhD

Department of Pharmacology and Toxicology

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Married: Jane Seay Myers (08/22/92)

Children: Kathryn Alicia Myers (05/15/98) and Alexander Christian Myers (01/17/95)

EDUCATION

1975 - 1979 B.S. in Biology/Chemistry, University of Kentucky, Lexington, KY
1980 - 1982 M.S. in Physiology, Marshall University, Huntington, WV
1983 - 1986 Ph.D. in Pharmacology, University of Kentucky, Lexington, KY
1986 Postdoctoral Fellowship, Dept. Pharmacology, University of Kentucky, Lexington, KY
1986 - 1987 Postdoctoral Fellowship, University, Biomedical Sciences, Chicago, Argonne National Laboratory, Chicago, IL

ACADEMIC APPOINTMENTS

1988 - 1991 Assistant Research Professor
Department of Pharmacology
University of Kentucky
Lexington, KY

1991 - 1996 Assistant Professor
Department of Pharmacology and Toxicology
University of Louisville
Louisville, KY

1996 - 2014 Associate Professor
Department of Pharmacology and Toxicology
University of Louisville
Louisville, KY

2015 - Professor
Department of Pharmacology and Toxicology
University of Louisville
Louisville, KY

- 2010 – Associate in Pediatrics
University of Louisville
Louisville, KY
- 1998 - Co-Director, Center for Environmental and Occupational Health Sciences
University of Louisville
- 1999 - 2005 Director, Kentucky Institute for the Environment and Sustainable Development
University of Louisville
- 2010 - Visiting Professor of Pharmacology
American University of the Caribbean School of Medicine
Department of Pharmacology
- 2013 - Associate Chair for Professional Education
Department of Pharmacology and toxicology
University of Louisville
- 2013 - Chair, Teaching Evaluation Committee
Department of Pharmacology and toxicology
University of Louisville
- 2015 - Director
University of Louisville/Cairo University Educational Agreement
- 2016 - Director
University of Louisville/Ain Shams University Educational Agreement

OTHER POSITIONS AND EMPLOYMENT

none

CERTIFICATION AND LICENSURE

none

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

Dates	Organization
1999 - present	J. Graham Brown Cancer Center
1990 - present	American Association for Cancer Research
1991 - present	Society of Toxicology
1991 - present	Sigma Xi
1991 - present	International Society for the Study of Xenobiotics
1991 - present	Ohio Valley Society of Toxicology
1992 - present	American Society for Pharmacology and Experimental Therapeutics
1993 - present	American Chemical Society
1993 - present	International Society for the Study of Polycyclic Aromatic Compounds
1999 - present	University of Louisville Center for Genetics and Molecular Medicine
1993 - present	University of Louisville Center for Environmental and Occupational Health Sciences
1993 - present	Kentucky Institute for the Environment and Sustainable Development
1999 - present	University of Louisville Birth Defects Center
2000 - present	American Society for Mass Spectrometry
2000 - present	International Society for Exposure Assessment and Environmental Epidemiology
1995 – present	Society of Toxicology, Risk Assessment Specialty Section
1993 - present	Society of Toxicology, Carcinogenesis Specialty Section
2014 -	Association of Medical Education in Europe (AMEE)
2014 -	Association for the Study of Medical Education (ASME)
2014 -	International Association of Medical Science Educators (IAMSE)
2014 -	AAMC Group on Educational Affairs (GEA)

HONORS AND AWARDS

Date	Award
2009	Finalist (2009) for the International Award for Outstanding Career Achievement in the field of Polycyclic Aromatic Compounds (International Society for Polycyclic Aromatic Compounds)
2010	Nominated for President of the International Society for Polycyclic Aromatic Compounds
2010	2010, Finalist Candidate and Offered Position (declined) of Professor and Chairman of Pharmacology, American University of the Caribbean School of Medicine, St. Maarten, NA.
2011	Nominated for International Career Achievement Award for contributions to the field of Polycyclic Aromatic Hydrocarbons, International Society for the Study of Polycyclic Aromatic Compounds

COMMITTEE ASSIGNMENTS AND ADMINISTRATIVE SERVICES (University of Louisville)

Date	Committee	Department/School
1994 -1995	Faculty Search Committee	Department of Biochemistry
1992 - present	Judge, School of Medicine Student Research Day (Research Louisville)	School of Medicine
1995 – 1998	School of Medicine Research Committee	School of Medicine
1995 -2001; 2007 – 2011	School of Medicine Faculty Forum	School of Medicine
1998 -1999; 2008 - 2009	Secretary, School of Medicine Faculty Forum	School of Medicine
1999 – 2000; 2009 -2010	Vice Chair, Faculty Forum	School of Medicine
1995 – 2000	School of Medicine Human Tissue Procurement Committee	School of Medicine
1998 - present	School of Medicine Admissions Committee	School of Medicine
1998 – 1999	School of Medicine, Rules and Policies Committee	School of Medicine
2000 – 2003	Center for Genetics and Molecular Medicine, Rules Committee	School of Medicine
2000 – 2003	Center for Genetics and Molecular Medicine, Finance Committee	School of Medicine

2007 - 2009	<i>University of Louisville, Graduate Council</i>	<i>University of Louisville</i>
1997 – 2004	<i>Space and Resource Committee</i>	<i>Department of Pharmacology and Toxicology</i>
1997 - 2011	<i>Seminar Committee</i>	<i>Department of Pharmacology and Toxicology</i>
1999	<i>Faculty Search Committee</i>	<i>Department of Pharmacology and Toxicology</i>
2007 - 2014	<i>Pilot Project Grant Reviews</i>	<i>Center for Genetics and Molecular Medicine</i>
2007 - 2014	<i>University of Louisville Faculty Senate</i>	<i>University of Louisville</i>
2009 - 2012	<i>University of Louisville Academic Programs Committee</i>	<i>University of Louisville</i>
2010 – present	<i>Department of Pharmacology Graduate Admissions Committee</i>	<i>University of Louisville</i>
2010 – present	<i>Department of Pharmacology Graduate Recruitment Committee</i>	<i>University of Louisville</i>
2013 – present	<i>School of Medicine, 2nd Year Curriculum Committee</i>	<i>School of Medicine</i>
2013 – present	<i>Educational Policy Committee</i>	<i>School of Medicine</i>
2013 – present	<i>Chair, Teaching Evaluation Committee</i>	<i>University of Louisville, Department of Pharmacology and Toxicology</i>
2014 - present	<i>Member, LCME Accreditation Subcommittee</i>	<i>University of Louisville School of Medicine</i>
2014 - present	<i>Member, Academic Technologies Committee</i>	<i>University of Louisville School of Medicine</i>

COMMITTEE ASSIGNMENTS AND ADMINISTRATIVE SERVICES (External to the University)

Date	Organization	Committee/Role
August 1990	National Academy of Sciences, Pacific Research Foundation	Travel Award Committee
1995- 2007	International Society for Polycyclic Aromatic Compounds	Awards Committee
1996 - present	Scientists in the Schools Program	Research Kentucky Speaker
1998 – 2007	Awards Committee International Society for Polycyclic Aromatic Compounds	Chair
1997 – 2002	Society of Toxicology Risk Assessment Specialty Subsection, best paper Award	Awards Committee
1997 – 2002	Society of Toxicology Risk Assessment Specialty Subsection, best abstract award	Awards Committee
1999 – 2001	Society of Toxicology Risk Assessment Specialty Section	Secretary/Treasurer
1999 – 2000	Ohio Valley Society of Toxicology	Vice President
2000	Ohio Valley Society of Toxicology	President – Elect
2001 – 2002	Ohio Valley Society of Toxicology	President
1999 – present	Polycyclic Aromatic Compounds: Analysis, Chemistry, Metabolism, and Carcinogenicity	Associate Editor
2001 – 2006	International Society for Polycyclic Aromatic Hydrocarbons	Secretary/Treasurer
2003 - present	International Society for Polycyclic Aromatic Hydrocarbons	Board of Directors
1997	National Institutes of Health, Chemoprevention and Clinical Trials Special Emphasis Panel	Grant reviews
1998	National Institutes of Health study section on Chemoprevention and Clinical Trials	Grant reviews

1998	NIEHS Center grants (P20) awards	NIEHS Study Section
2001	Impact of environmental chemicals on children's health	EPA Study Section
2001	Exposure Assessment methods for cancer research	NIH Study Section
2005	NIEHS internal grant review committee	Johns Hopkins University Bloomberg School of Public Health
2005	NIEHS, Career Development Awards	Study Section
2009	NIH, S10 Grant review panel	Study Section
June, 2012	US EPA Technical Qualifications Review Panel	Review Board
November, 2012	US EPA Technical Qualifications Review Panel	Review Board
February, 2013	NCI P01 project review panel	Study Section
April, 2013	US EPA Technical Qualifications Review	Review Board
July, 2013	VA Merit Grant Review Panel	Review Board
April, 2014	US EPA Education and Technical Qualifications Review	Review Board
June, 2014	NIH, Social Sciences and Population Studies grant reviews	NIH Study Section
March, 2015	NIH, Social Sciences and Population Studies grant reviews	NIH Study Section
May, 2015	US EPA Education and Technical Qualifications Review	Review Board
December, 2015	US EPA Education and Technical Qualifications Review	Review Board
February, 2016	NIOSH, Environmental and Occupational Health Sciences	Study Section
June, 2016	NIOSH, Environmental and Occupational Health Sciences	Study Section

EDUCATIONAL ACTIVITIES

Student Advisory Committees

Dates	Student	Department	Degree	Capacity
1993 - 1998	Joseph Spinnato	Pharmacology and Toxicology	Ph.D.	Advisor and Mentor
1992 - 1996	Raymond Kemper	Pharmacology and Toxicology	Ph.D.	Committee Member
1996 – 1997	Raymond Kemper	Pharmacology and Toxicology	Ph.D.	Advisor and Mentor
1992 - 1995	Hong Song	Pharmacology and Toxicology	Ph.D.	Committee Member
1994 - 1997	Jian Cai	Pharmacology and Toxicology	Ph.D.	Committee Member
1993 - 1997	Craig Byrdwell	Department of Chemistry	Ph.D.	Committee Member
1997 – 2000	Adrian Fretland	Pharmacology and Toxicology	Ph.D.	Committee Member
1999 - 2002	Ramona Stone	Department of Urban Affairs	Ph.D.	Committee Member
2001 - 2004	Christopher Cunningham	Pharmacology and Toxicology	Ph.D.	Advisor and Mentor
2004 - 2007	Paula Radamacher	Public Health, CREST program	Ph.D.	Advisor and Mentor
1994 - 1997	Maria T. Pinorini-Godly, Ph.D.	Pharmacology and Toxicology	Post-Doctoral	Advisor and Mentor
2005- 2006	Brooke Barnes, M.D.	Department of Pediatrics	Post-Graduate Fellow	Research Advisor
2005- 2006	Cheryl Eids, M.D., Ph.D.	Department of Pediatrics	Post-Graduate Fellow	Research Advisor
2003 - 2007	Md. Yeakub Ali, Ph.D.	Pharmacology and Toxicology	Post-Doctoral	Advisor and Mentor

1994 - 1995	C. B. Boles, M.D.	Department of Obstetrics and Gynecology	Post-Graduate Fellow	Research Advisor
1994 - 1995	C. Cook, M.D.	Department of Obstetrics and Gynecology	Post-Graduate Fellow	Research Advisor
1994 - 1995	M.P. Ross, M.D.	Department of Pediatrics	Post-Graduate Fellow	Research Advisor
2002	Nilufer Tampal	Department of Toxicology, University of Kentucky	Ph.D. research	Research Advisor
Summer 2007	Raul Zamora, B.S.	Pharmacology and Toxicology	Summer Student Research	Research Advisor
2008 - 2009	Steven Hunter, M.D.	Department of Pediatrics	Post-Graduate Fellow	Research Advisor
2005 - 2008	Emily Roberts Esposito, Ph.D.	Department of Pharmacology and Toxicology	Ph.D.	Committee Member
2008 - 2009	Evangelina Gravari, M.D.	Department of Pediatrics	Post-Graduate Fellow	Research Advisor
Summer 2009	Jessica Padgett, B.S.	Pharmacology and Toxicology	Summer Research Student	Research Advisor
Jan - June 2010	Sara Greish	Pharmacology, Suez Canal Univ.	M.S.	Research, and Examination Committee
2007 – 2010	Pengxiao Cao, M.S.	Pharmacology and Toxicology	Ph.D.	Committee Member
2007 – 2011	Nicole Lavender	Pharmacology and Toxicology	Ph.D.	Committee Member
2013 – present	Stephen Wechmann	Pharmacology and Toxicology	Ph.D.	Committee Member
2013 – 2014	Ximena Gonzalez	Epidemiology, School of Public Health and Information Sciences	M.S.	Committee Member
2014 -	Sara Greish	Pharmacology and Toxicology, University of Copenhagen, Denmark	Ph.D.	External Examination Committee Member

2014 -	Lori Devlin	Pediatrics (UofL)	M.S.	Committee Member
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Teaching Details (Course Director)

Dates	Course Number	Title
2013 – present	PHTX-850-01	Medical Pharmacology
2003 - present	PHTX-395-50	Basic Pharmacology (online, distance learning)
2011 - present	DHED-402-01	Dental Hygiene Pharmacology
2011 - present	BIOL-395-01	Basic Pharmacology (Didactic)
2006 - present	PHTX-651-01	Neonatal Pharmacology
2008 - present	PHTX-652-01	Geriatric Pharmacology
2013	PHTX-656-01	Cardiovascular and Renal Pharmacology
2016 -	BMSC-807	Dental Pharmacology

Teaching Details/Lectures (University of Louisville)

Years	Course	Course Number	Topic	Lecture Hours	Semester
1994 – present	Medical Pharmacology	PHTX 850 - 01	Local Anesthetics	1	Spring
1994 – present			Gastrointestinal Pharmacology	3	Spring
1999 – present			Problem Based Learning in Gastrointestinal Pharmacology	2	Spring
2009 – present			Geriatric and Neonatal Pharmacology	2	Spring
2012 – present			CNS Pharmacology	8	Spring
2004 – present			Problem Based Learning in Pharmacokinetics	2	Spring

1996 – present	Dental Pharmacology	BMSC 807 - 04	Local Anesthetics	2	Spring
2012 – present			CNS Pharmacology	8	Spring
2009 – present			General Anesthetics	1	Spring
1996 – present			Gastrointestinal Pharmacology	2	Spring
2012 – present			Sedative Hypnotics	1	Spring
2012 – present			Antianxiety	1	Spring
2012 – present			Antidepressants	1	Spring
1993 – 1998	Nursing Pharmacology	PHTX 395	Cardiovascular Pharmacology	1	Spring
1993 – 1998			Antihyperlipidemics	1	Spring
1993 – 1998			Respiratory Pharmacology	1	Spring
1993 – 1998			Anemia	1	Spring
1993 – 1998			Local Anesthetics	1	Spring
2003 – present	Basic Pharmacology (online, distance education)	PHTX 395-50	Course Director/Principal Lecturer	16	Summer, Fall, and Spring
2005 – present	Neuropharmacology	PHTX 655	Local Anesthetics	1	Spring
2012 – present			CNS Pharmacology	5	Spring
2005 – present	Endocrine and Metabolic Pharmacology	PHTX 657	Gastrointestinal Pharmacology	1	Spring
2000 – present	Research Methods in Pharmacology and Toxicology	PHTX 672	Biomarkers	2	Fall
2006 – present	Neonatal Pharmacology	PHTX 651	Course Director/Principal Lecturer	16	Spring
2008- present	Geriatric Pharmacology	PHTX 652	Course Director/Principal Lecturer	16	Fall

2011 – present	Dental Hygiene Pharmacology	DHED 402	Course Director/Principal Lecturer	32	Fall Semesters
2012 - present	Basic Pharmacology (formal lectures)	BIO 395-01	Course Director/Principal Lecturer	32	Spring Semesters

Pharmacology Lecture Topics Presented (2001 – Present)

Introduction/Drug Absorption	Muscle Relaxants and Antispasmodics	Special Aspects of Geriatric Pharmacology
Drug Distribution	Muscarinic Receptor Antagonists	Special Aspects of Neonatal Pharmacology
Drug Metabolism	Ganglionic and Neuromuscular Agents	Neurotransmission in the CNS
Drug Excretion	Patient Simulation, Autonomics	Drug Interactions
Pharmacokinetics	Antihypertensive Drugs	Pain Mechanisms and Management
Pharmacogenetics/Pharmacogenomics	Antianginal Drugs	Agents Used in Treating Gout
Pharmacodynamics	Diuretics	Analgesic Antipyretic and Anti inflammatory Agents
Immunopharmacology	Antihypertensive Drugs	Opioid Analgesics and Antagonists
Immune-mediated adverse drug reactions	Drugs Used in Heart Failure	New Drug Design, Development, and Testing
Intro to Neuropharmacology	Antiarrhythmic Drugs	Drugs of Abuse
Autonomic Pharmacology	Drugs Used in the Treatment of Hyperlipidemia	Pharmacologic Treatment of Movement Disorders
Adrenergic Pharmacology	Anticoagulants and Other Drugs Used in Thromboembolic Disorders	Serotonin Agonists & Antagonists

Adrenergic Agonists	Pharmacologic Therapy of Asthma, Bronchitis, and COPD	Herbal Medications and Nutritional Supplements
Adrenergic Antagonists and Adrenolytics	Principles of Anti-Infective Chemotherapy	Antiseizure Drugs
Cholinergic Agonists	Beta Lactam Antibiotics	Alcohols
Cholinesterase Inhibitors	Protein Synthesis Inhibitors	General Anesthetics
Emesis and Upper Gastrointestinal Drugs	Quinolones and Antimetabolites	Clinical Toxicology
Lower Gastrointestinal Drugs	Urinary Tract Antiseptics and Tuberculosis	Occupational and Environmental Toxicology
Other Antiprotozoal and Anthelmintic Drugs	Cancer Chemoprevention	Local Anesthetics
Inflammatory Bowel Disease	Drugs Used to Treat Anemias/Hematopoietic Growth Factors	Sedative-Hypnotic and Antianxiety Drugs
Antimalarial Drugs	Introduction to Cancer Chemotherapy – Alkylating Agents	Antidepressant Agents, Mood Stabilizers
Histamine and Antihistamines	Hormonal Agents /Antimetabolites	Antipsychotic Drugs
Insulin and Other Drugs for Diabetes	Cancer Chemotherapy	Female Sex Hormones
Diabetes Mellitus	Antifungal and Antiviral Drugs	Contraception and Fertility
Thyroid and Antithyroid	Drug Interactions	Oxytocics and Tocolytics

Teaching Details/Lectures (American University of the Caribbean)

Years	Course	Course Number	Lecture Topic	Lecture Hours
2010–2011	Medical Pharmacology	Pharmacology II	Local Anesthetics	1
2010 - 2011	Medical Pharmacology	Pharmacology II	Gastrointestinal Pharmacology	4
2010 - 2011	Medical Pharmacology	Pharmacology II	Asthma	1
2010	Medical Pharmacology	Pharmacology II	Cancer Chemotherapy	4
2010	Medical Pharmacology	Pharmacology II	COPD	1
2010	Medical Pharmacology	Pharmacology II	Immunosuppression	1
2010	Medical Pharmacology	Pharmacology II	Migraine	1
2011	Medical Pharmacology	Pharmacology II	Anemia	2
2011	Medical Pharmacology	Pharmacology II	Metals	2
2011	Medical Pharmacology	Pharmacology II	Serotonin/Histamine	2
2011	Medical Pharmacology	Pharmacology II	Inflammatory Bowel Disease	2
2011	Medical Pharmacology	Pharmacology	Glaucoma	1

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CLINICAL ACTIVITIES

Laboratory serves as primary research site for Pediatric Residency Fellows (Department of Pediatrics) to complete required rotations in research.

Recent Research grants (completed)

Agency/Number	Title	Role	Project Period	Budget Award
UNIV. OF CALIFORNIA TOBACCO-RELATED DISEASE RESEARCH PROGRAM /17RT-0138	Measuring prenatal tobacco exposure in newborn blood spots	Co-PI	07/01/08 - 06/30/12	\$506,927

Research Grants (Submitted and Approved by US but waiting reorganization of Egyptian Funding Component)

Agency/Number	Title	Role	Project Period	Budget Request
US – Egypt Joint Board on Scientific and Technological Cooperation (grant approved, but on hold due to Egypt/Middle East situation)	Biomarkers of Environmental Pollution in Egypt	PI	05/01/11 – 04/30/14	\$250,000

Research Grants (past 2000 – 2011)

PI/COI	Grant Source	Grant #	Title	Amount	Dates
Myers,Steven	WHAS Crusade for Children	RESEARCH	Hewlett-Packard Capillary Electrophoresis/Mass Spectrometer	\$100,000	1999 – 2000
Myers,Steven	U.S. Environmental Protection Agency	QT-RT-01-000758	Personal Exposure to Airborne Particulate Polycyclic Aromatic Hydrocarbons and Analysis of Urinary PAH Metabolites	\$49,000	2001 – 2002
Myers,Steven	Murray State University/ EPSCoR/EPA	OSP 2002-038	Biomarkers for Air Pollutants: Development of Hemoglobin Adduct Methodology	\$164,466	2001 – 2003
Myers,Steven	Kentucky Lung Cancer Research Board	KLCRF	Biomarkers of Maternal and Fetal Tobacco Smoke Exposure	\$93,016	2001 – 2003
Myers,Steven	National Institutes of Health	1R01HL074351-01	Late Preconditioning in Hypercholesterolemia	\$12,775	2003 – 2004
Myers,Steven	U.S. Environmental Protection Agency	4D 5752-NAEX	Analysis of Urine Samples for Carcinogenic PAHs	\$89,934	2004 – 2005
Myers,Steven	National Institutes of Health	5 R01 HL074351-03	Late Preconditioning in Hypercholesterolemia	\$12,862	2005 – 2006
Myers,Steven	National Institutes of Health	5 P20 RR17702-04	Molecular Determinants of Developmental Defects	\$11,025	2005 – 2006
Myers,Steven	National Institutes of Health	5 P20 RR017702-05	Molecular Determinants of Developmental Defects	\$74,114	2007 – 2009

Myers, Steven	Sequoia Foundation	9027-UL-01	Measuring Prenatal Tobacco Exposure in Newborn Blood Spots	\$45,000	2007 – 2010
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Research Grants (unfunded 2000 – 2011)

PI	Agency	Title	Direct Costs	Years	Grants #
Myers,Steven	NIH	Metabolic Activation of Carcinogens	\$525,000	04/01/2001 - 03/31/2004	1R01CA090838-01
Myers,Steven	NIH	West Louisville Partnership for Environmental Justice	\$428,921	04/01/2000 - 03/31/2002	1R25ES010447-01
Myers,Steven	NIH	Biomarkers of in utero Tobacco Exposure	\$1,363,637	04/01/2003 - 03/31/2006	1R01ES012208-01
Myers,Steven	NIH	Biomarkers of Air Quality Assessment in West Louisville	\$1,292,438	04/01/2003 - 03/31/2006	1R01ES012235-01
Myers,Steven	NIH	West Louisville Partnerships for Environmental Justice	\$432,000	04/01/2001 / 03/31/2003	1R25ES011118-01
Myers,Steven	NIH	Biomarkers of Carcinogen Exposure in Tobacco Smoke	\$404,250	07/01/2004 - 06/30-2006	1R21ES013304-01
Myers,Steven	NIH	Tobacco exposure, biomarkers, and mutations of MSX1 and IRF6 Genes in Pregnancy	\$750,000	07/01/2006 - 06/30/2009	1R01ES014855-01
Myers,Steven	NIH	Biomarkers of in utero tobacco exposure	\$2,405,781	07/01/2006 - 06/30/2011	1R01ES014943-01
Myers,Steven	NIH	Biological Markers of Breast Milk Carcinogens	\$750,000	04/01/2007 - 03/31/2010	1R01ES015545-01

Myers,Steven	NIH	Biomarkers of in utero tobacco exposure	\$2,173,875	04/01/2007 - 03/31/2012	1R01ES014943-01A1
Myers,Steven	NIH	Characterization of Tobacco Smoke Hemoglobin Adducts by LCMS	\$100,000	12/01/2007 - 11/30/2009	1R03CA131594-01
Myers,Steven	NIH	Chemorevention of Dibenzo(a,l)pyrene Induced Mammary Carcinogenesis	\$750,000	11/01/2007 - 10/31/2010	1R01ES016324-01
Myers,Steven	NIH	Biomarkers of in utero Tobacco Smoke Carcinogens	\$2,125,096	01/01/2008 - 12/31/2012	1R01ES014943-01A2
Myers,Steven	NIH	Analytical Assessment of Tobacco Carcinogen Protein Adducts	\$250,000	12/01/2007 - 11/30/2009	1R21CA132009-01
Myers,Steven	NIH	Chemoprevention of Dibenzo(a,l)pyrene Induced Mammary Carcinogenesis	\$147,000	02/01/2006 - 01/31/2008	1R03CA121415-01
Myers,Steven	NIH	Analysis of Tobacco Carcinogen Adducts by LC MS/MS	\$407,000	12/01/2009 - 11/30/2011	1R21CA132009-01A1
Myers,Steven	NIH	Biomarkers of Carcinogen Exposure in Tobacco Smoke	\$275,000	12/01/2009 - 11/30/2011	1R21ES013304-01A1
Myers,Steven	NIH	Chemoprevention of Dibenzo(a,l)pyrene Induced Mammary Carcinogenesis	\$100,000	12/01/2009 - 11/30/2011	1R03CA121415-01A1
Myers,Steven	NIH	Tobacco Related Biomarkers of Preterm Labor	\$986,665	10/01/2009 - 09/30/2011	1RC1HD063745-01

Myers,Steven	NIH	Application of Mass Spectrometry in the detection of Carcinogen Protein Adducts	\$742,145	10/01/2009 - 09/30/2011	1RC1CA149159-01
Myers,Steven	NIH	LTQ Orbitrap XL ETD mass spectrometer	\$922,377	12/01/2009 - 11/30/210	1S10RR029345-01
Myers,Steven	NIH	CHEMOPREVENTION OF DMBA INDUCED CARCINOGENESIS	\$450,000	04/01/2000 - 03/31/2003	1R01CA085259-01
Myers,Steven	NIH	BIOMARKERS OF MATERIAL AND FETAL TOBACCO SMOKE EXPOSURE	\$675,000	04/01/2000 - 03/31/2003	1R01HD038861-01

PATENTS:

None

EDITORIAL WORK

Dates	Journal	Role
1994 – present	Polycyclic Aromatic Compounds: Analysis, Chemistry, Metabolism, and Carcinogenicity	Editor
2005 – present	Biomarker Insights	Associate Editor
2009 - present	Biomarkers of Cancer	Associate Editor
2008 - present	Breastfeeding Medicine	Associate Editor
2012 - present	European Journal of Toxicological Sciences	Associate Editor
2012 - present	Journal of Drug Metabolism and Toxicology	Associate Editor
2011 – present	Clinical Medicine Insights: Women's Health	Associate Editor
2011 - present	Tobacco Use Insights	Associate Editor
2014 - present	Journal of Medical Education and Curricular Development	Founding Editor and Editor-in-Chief
2015 - Present	Knowledge Base – Pharmacology	Editor-in-Chief
2015 – Present	Egyptian Scientific Journal of Pesticides and Xenobiotics	Editorial Board Member

MANUSCRIPT REVIEWS

Dates	Journal Reviews
1995 – 2000	Cancer Research
2004	Occupational Hygiene - Risk Management of Occupational Hazards
1997	American Journal of Physiology
2004	Research Communications in Chemical Pathology and Pharmacology
1994 – present	Polycyclic Aromatic Compounds: Analysis, Chemistry, Metabolism, and Carcinogenicity
2000 – present	Biomarkers
2005 – present	Biomarker Insights
2009 – present	Biomarkers of Cancer
2000 – present	Cancer Epidemiology, Biomarkers and Prevention
1994 – 1997	Drug Metabolism and Disposition
2005 – present	Chemical Research in Toxicology
2004 – present	Chemico- Biological Interactions
2008	Journal of Pharmacy and Pharmacology
2008 – present	Breastfeeding Medicine

ABSTRACTS AND PRESENTATIONS

Scientific Sessions Organized/Presented

Date	Meeting	Session Chair	Location
1999	Society of Toxicology	Polycyclic Aromatic Hydrocarbons	New Orleans, LA
1999	International Symposium on Polycyclic Aromatic Compounds	Opening/Plenary Session	Bordeaux, France
2001	Society of Toxicology	Biomarkers/Biomonitoring	San Francisco, CA
2001	International Symposium on Polycyclic Aromatic Compounds	Opening/Plenary Session	Cincinnati, OH
2001	International Society Exposure Assessment	Exposure to selected toxicants – Polycyclic Aromatic Hydrocarbon	Charleston, SC
2003	Society of Toxicology	Immunotoxicology	Salt Lake City, UT
2003	International Symposium on Polycyclic Aromatic Compounds	Opening/Plenary Session	Amsterdam, Netherlands
2003	International Symposium on Polycyclic Aromatic Compounds	Biomarkers/Biomonitoring	Amsterdam, Netherlands
2005	Society of Toxicology	Biomarkers	New Orleans, LA
2005	Society of Toxicology	Pharmacogenetics	New Orleans, LA
2014	Society of Toxicology	Emerging Topics in Environmental Pollution in Africa	Phoenix, AZ
2015	Faculty of Medicine, Agricultural Research Station, Faculty of Veterinary Medicine, Cairo University	Risk assessment application in food matrix and feeds and its impact on human and animal health	Cairo, Egypt

2015	Faculty of Medicine, Agricultural Research Station, Faculty of Veterinary Medicine, Cairo University	Workshop: Theory and Application of HPLC in Analysis of Environmental Contaminants	Cairo, Egypt
2015	Faculty of Medicine, Agricultural Research Station, Faculty of Veterinary Medicine, Cairo University	Workshop: Theory and Application of Gas Chromatography and Mass Spectrometry in Analysis of Environmental Contaminants	Cairo, Egypt

Invited Presentations

Date	Title	Univ./Organization	Department	Location
1995	Hemoglobin adducts as potential biomarkers of xenobiotic exposure	University of Kentucky College of Medicine	Department of Pharmacology	Lexington, KY
1995	Biomarkers of tobacco smoke exposure	University of Louisville School of Medicine	Department of Pediatrics	Louisville, KY
1995	Hemoglobin adducts as Biomarkers to tobacco smoke carcinogens	University of Kentucky	Graduate Center for Toxicology	Lexington, KY
1995	Toxicology of Tobacco Smoking and Biomarkers	University of Louisville School of Medicine	Department of Obstetrics and Gynecology	Louisville, KY
1998	Biomarkers of Nitroaromatic Munitions	United States Environmental Protection Agency (USEPA)		Cincinnati, OH
1999	Molecular Biomarkers in Toxicology and Epidemiology	17 th International Symposium on Polycyclic Aromatic Compounds		Bordeaux, France
2000	Hemoglobin adducts as biological markers of exposure to tobacco smoke	National Cancer Institute		Bethesda, MD
2000	Biomarkers of exposure to environmental chemicals	Kentucky Institute for the Environment and Sustainable Development School Days		Louisville, KY
2000	Molecular Biomarkers in Toxicology and Epidemiology	University of Louisville	Birth Defects Center	Louisville, KY
2001	Biomarkers in Epidemiological Research	University of Louisville	Center for Genetics and Molecular Medicine	Louisville, KY
2002	Hemoglobin as a Biomarker of Exposure Assessments	Society of Toxicology		Nashville, TN

2003	Assessing Environmental Exposures to Polycyclic Aromatic Hydrocarbons: Relationship between Personal Exposure to Polycyclic Aromatic Hydrocarbons and Biomarkers of Internal Dose	University of Louisville	Birth Defects Center	Louisville, KY
2003	Influence of GSTM1 and NAT Genotypes on the Relationship between Personal Exposure to Polycyclic Aromatic Hydrocarbons and Biomarkers of Internal Dose	University of Illinois, Chicago	Department of Public Health	Chicago, IL
2003	Assessing Environmental Exposures to Polycyclic Aromatic Hydrocarbons: Relationship between Personal Exposure to Polycyclic Aromatic Hydrocarbons and Biomarkers of Internal Dose	University of Illinois, Chicago	Department of Public Health	Chicago, IL
2003	Hemoglobin adducts as biomarkers of maternal and fetal tobacco exposure assessment	Johns Hopkins University, Bloomberg School of Public Health	Department of Toxicology	Baltimore, MD
2003	Assessing Environmental Exposures to Polycyclic Aromatic Hydrocarbons: Relationship between Personal Exposure to Polycyclic Aromatic Hydrocarbons and Biomarkers of Internal Dose	Johns Hopkins University, Bloomberg School of Public Health	Department of Toxicology	Baltimore, MD
2003	Polycyclic Aromatic Hydrocarbons – Biomarkers of Assessment	Murray State University	Department of Chemistry	Murray, KY
2003	Biomarkers of Environmental Carcinogens	University of Louisville School of Medicine	Brown Cancer Center	Louisville, KY
2005	Biomarkers of Polycyclic Aromatic Hydrocarbons	University of Louisville School of Medicine	Department of Pediatrics	Louisville, KY
2005	Biomarkers of maternal and fetal tobacco exposure	University of Louisville School of Medicine	Department of Pediatrics	Louisville, KY
2005	Biomarkers of exposure to polycyclic aromatic hydrocarbons	Australia Aluminum Council		Gladstone, Australia
2005	Hemoglobin as a biomarker of exposure to environmental PAHs	Australia Aluminum Council		Gladstone, Australia

2005	Urinary biomarkers of exposure assessment. Pros and cons	Australia Aluminum Council		Gladstone, Australia
2005	Biomarkers: advantages and disadvantages in population studies	Australia Aluminum Council		Gladstone, Australia
2005	Biomarkers of tobacco exposure	Australia Society for Occupational Medicine and Industrial Hygiene		Brisbane, Australia
2005	Hemoglobin as biomarkers of exposure assessment	Australia Society for Occupational Medicine and Industrial Hygiene		Brisbane, Australia
2006	Hazards of Environmental Tobacco Exposure	Metro Louisville City Council		Louisville, KY
2006	Aromatic Amine Hemoglobin Adducts in Smokers: Correlations with Gestational Age, Birthweight, and Genotype - Implications for Birth Defects	University of Louisville	Department of Molecular, Cellular, and Craniofacial Biology and The Birth Defects Center	Louisville, KY
2006	Biomarkers of Tobacco Exposure: Implications for Assessing in utero Exposures	University of Louisville	Department of Pediatrics	Louisville, KY
2006	Application of Hemoglobin as a Biomarker of Tobacco Exposure	Norton's Hospital	Division of Neonatal Medicine	Louisville, KY
2007	Potential Implications of PAH Exposure in the Etiology of Brain Cancer	Lebow Conference on Brain Cancer Etiology		Chicago, IL
2007	Biomarkers of Exposure Assessment of Polycyclic Aromatic Hydrocarbons (PAH)	Lebow Conference on Brain Cancer Etiology		Chicago, IL
2007	Application of Biomarkers of Environmental Carcinogen Exposure during Fetal and Neonatal Development	University of Louisville School of Medicine	Department of Pediatrics	Louisville, KY
2007	Molecular Markers in Toxicology and Epidemiology: Development, Validation, and Application of Biomarkers in Humans	Kentucky Academy of Sciences		Louisville, KY

2007	Biomarkers of Polycyclic Aromatic Hydrocarbons, Applications for Biomonitoring Populations	University of Illinois, Chicago	Department of Public Health	Chicago, IL
2007	Gastrointestinal Pharmacology: An Introduction	Jefferson County Community College Students		Louisville, KY
2007	Biomarkers and their application to smoking status	University of Louisville School of Medicine	Department of Pediatrics	Louisville, KY
Feb., 2010	Biomarkers of Environmental Carcinogens	American Univ. Caribbean School of Medicine.	Dept. Pharmacology	St. Maarten, NA
Feb., 2010	Hemoglobin as a Biomarker of Maternal and Fetal Tobacco Exposure	American Univ. Caribbean School of Medicine.	Dept. Pharmacology	St. Maarten, NA
June, 2010	Biomarkers of Air Pollution	University of Cairo	Faculty of Medicine	Cairo, Egypt
June, 2010	Biomarkers of Polycyclic Aromatic Hydrocarbons, Applications for Biomonitoring Populations	University of Cairo	Faculty of Medicine	Cairo, Egypt
June, 2010	Environmental Pollution: New aspects for the 21 st Century	Suez Canal Univeristy	Faculty of Medicine and Toxicology	Ismailia, Egypt
June, 2010	Biomonitoring of Pesticides and Aflatoxins: Potential use of Hemoglobin as a Biomarker	Suez Canal Univeristy	Faculty of Medicine and Toxicology	Ismailia, Egypt
Jan, 2011	Bioamrkers of Environmental Pollution: Polycyclic Aromatic Hydrocarbons	University of Cairo	Faculty of Medicine	Cairo, Egypt
Jan, 2011	Biomarkers of Environmental Pollution: Application to Cancer	Fayoum University	Faculty of Medicine and Environmental Health	Fayoum, Egypt
April, 2011	NIOSH Research and Educational Symposium on Effects of Tobacco During Pregnancy	NIOSH	NIOSH	Cincinnati, OH

October, 2013	Expectations in Developing a Portfolio for the EPA Technical Qualifications Review Board	Webinar, EPA	USEPA	Louisville, KY
September, 2014	Changing Face of Medical Education	University of Louisville	School of Medicine	Louisville, KY
April, 2015	Neonatal Pharmacokinetics and Pharmacodynamics	University of Louisville Department of Pediatrics	School of Medicine	Louisville, KY
April, 2015	Methods of Analysis in HPLC Chromatography	Faculty of Agriculture, Faculty of Medicine	Cairo University	Cairo, Egypt
April, 2015	Methods of Analysis in Gas Chromatography and Mass Spectrometry	Faculty of Agriculture, Faculty of Medicine	Cairo University	Cairo, Egypt
April, 2015	Analysis of PAH and Aflatoxins by HPLC and GC/MS	Faculty of Agriculture, Faculty of Medicine	Cairo University	Cairo, Egypt
April, 2015	Analysis of Pesticides by HPLC and GC/MS	Faculty of Agriculture, Faculty of Medicine	Cairo University	Cairo, Egypt
April, 2015	Biomarkers of Environmental Chemicals	Faculty of Agriculture, Faculty of Medicine	Cairo University	Cairo, Egypt
May, 2015	Molecular Markers in Toxicology and Epidemiology: Development, Validation and Application of Biomarkers	Faculty of Agriculture, Faculty of Medicine	Cairo University	Cairo, Egypt
May, 2015	Molecular Markers in Toxicology and Epidemiology: Development, Validation and Application of Biomarkers	Faculty of Medicine	6 th of October University	6 th of October, Egypt
May, 2015	The University of Louisville	Faculty of Medicine	6 th of October University	6 th of October, Egypt
November, 2015	Molecular Biomarkers in Toxicology	University of Copenhagen	Faculty of Environmental Sciences	Copenhagen, Denmark
November, 2015	Analytical Tools for Assessing PAH Exposures	University of Copenhagen	Faculty of Environmental Sciences	Copenhagen, Denmark
November, 2015	HPLC Method Development for Assessing Exposures to Polycyclic Aromatic Hydrocarbons	University of Copenhagen	Faculty of Environmental Sciences	Copenhagen, Denmark

November, 2015	Keynote Address: Biomarkers in Environmental Toxicology	2 nd International Conference on Toxicology and Environmental Health	Cairo University	Cairo, Egypt
November, 2015	Polycyclic Aromatic Hydrocarbons: Analytical Assessments	2 nd International Conference on Toxicology and Environmental Health	Cairo University	Hurghada, Egypt
November, 2015	HPLC Methodologies in Detection of Environmental Contaminants	2 nd International Conference on Toxicology and Environmental Health	Cairo University	Hurghada, Egypt
November, 2015	Effective Techniques in Manuscript Writing	2 nd International Conference on Toxicology and Environmental Health	Cairo University	Hurghada, Egypt
November, 2015	Molecular Markers in Toxicology and Environmental Health	2 nd International Conference on Toxicology and Environmental Health	Cairo University	Hurghada, Egypt
November, 2015	Opportunities for Graduate Education at the University of Louisville	2 nd International Conference on Toxicology and Environmental Health	Cairo University	Hurghada, Egypt
November, 2015	Introduction to Neuropharmacology	Faculty of Medicine	Ain Shams University	Cairo, Egypt
November, 2015	Adrenergic Agonists and Antagonists	Faculty of Medicine	Ain Shams University	Cairo, Egypt
November, 2015	Gastrointestinal Pharmacology	Faculty of Medicine	Ain Shams University	Cairo, Egypt
November, 2015	HPLC Methodologies in Detection of Environmental Contaminants	Faculty of Medicine	Ain Shams University	Cairo, Egypt
November, 2015	Molecular Markers in Toxicology and Environmental Health	Faculty of Medicine	Ain Shams University	Cairo, Egypt
November, 2015	The University of Louisville	Faculty of Medicine	Ain Shams University	Cairo, Egypt
November, 2015	The Changing Face of Medical Education	Faculty of Medicine	Ain Shams University	Cairo, Egypt
November, 2015	Opportunities for Graduate Education at the University of Louisville	Faculty of Medicine	6 th of October University	6 th of October, Egypt

November, 2015	Introduction to Neuropharmacology	Faculty of Medicine	6 th of October University	6 th of October, Egypt
November, 2015	Adrenergic Agonists and Antagonists	Faculty of Medicine	6 th of October University	6 th of October, Egypt
November, 2015	Gastrointestinal Pharmacology	Faculty of Medicine	6 th of October University	6 th of October, Egypt
November, 2015	Molecular Markers in Toxicology and Environmental Health	Faculty of Medicine	6 th of October University	6 th of October, Egypt
November, 2015	Problem Based Learning in Medical Education	Faculty of Medicine	6 th of October University	6 th of October, Egypt
November, 2015	Medical Education in the 21 st Century	Faculty of Medicine	6 th of October University	6 th of October, Egypt

Abstracts

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9. Flesher, J.W., **Myers, S.R.**, and Blake, J.W. *"Biotransformation of 7-methylbenz(a)anthracene to cholanthrene and related compounds in rat tissue cytosol preparations in vitro and in vivo"*. St. Louis MO, Federation of American Society for Experimental Biology and Medicine, FASEB, Federation Proceedings, 45:441,1986.

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11. Flesher, J.W., **Myers, S.R.**, and Blake, J.W. *"Biooxidation of 7,12-dimethylbenz(a)anthracene (DMBA) in rat dorsal subcutaneous tissue, in vivo."* Federation of American Society for Experimental Biology and Medicine, Las Vegas, NV May 1-5, 1988.
12. **Myers, S.R.**, Bruckner, G.G., Webb, P.A., and Flesher, J.W. *"Liver and Mammary DMBA metabolism in rats fed fish, olive, or safflower oil"*. Federation of American Society for Experimental Biology and Medicine. Las Vegas, NV, May 1-5, 1988.
13. **Myers, S.R.**, Blake, J.W., and Flesher, J.W. *"Bioalkylation and Biooxidation of anthracene, 9-methylanthracene, and 9,10-dimethylanthracene in rat liver cytosol."* American Association for Cancer Research, New Orleans, LA, May, 1988.
14. **Myers, S.R.** and Flesher, J.W. *"Metabolism of Benz(a)anthracene (BA), 7-methylbenz(a)anthracene (7MBA), and 7,12-dimethylbenz(a)anthracene (DMBA) in human bone marrow preparations"*. American Association for Cancer Research, San Francisco, CA, May, 1989.
15. **Myers, S.R.** and Flesher, J.W. *"Bioalkylation and Biooxidation of Benz(a)anthracene (BA), 7-methylbenz(a)anthracene (7MBA), and 7,12-dimethylbenz(a)anthracene (DMBA) in Human Bone Marrow Preparations"*. The 12th International Symposium on Polynuclear Aromatic Hydrocarbons. Washington, DC, October 1989.
16. Flesher, J.W. and **Myers, S.R.** *"Metabolism of Chrysene and 5-methylchrysene in Rat Dorsal Subcutaneous Tissue, in vivo."* American Association for Cancer Research, San Francisco, May, 1989.
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20. Haugen, D. A. and **Myers, S.R.** *"Reaction of benzo[a]pyrene-7,8-dihydrodiol-9,10 epoxide with human hemoglobin and chromatographic resolution of the covalent adducts"*. Argonne Natl. Lab., Argonne, IL, USA. Avail. NTIS. Report (1990), (ANL/PPRNT-90-202; Order No. DE90008705), 26 pp. From: Energy Res. Abstr. 15(10), Abstr. No. 24702, 1990.

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22. Flesher, J.W., **Myers, S.R.**, and Stansbury, K.H. "*The site of substitution of the methyl group in the bioalkylation of benzo(a)pyrene*." American Association for Cancer Research, Washington, DC, May, 1990.
23. **Myers, S.R.** and Flesher, J.W. "*Metabolism of Benz(a)anthracene, 7-methylbenz(a)anthracene, and 7,12-dimethylbenz(a)anthracene in human bone marrow*." The 15th International Cancer Congress, Hamburg, Germany, August 16-22, 1990.
24. Flesher, J.W. and **Myers, S.R.** "*Bioalkylation as a probe for the carcinogenicity of chrysene, 5-methylchrysene, 6-methylchrysene, and 5,6-dimethylchrysene*." The 15th International Cancer Congress, Hamburg, Germany, August 16-22, 1990.
25. **Myers, S.** and Flesher, J.W. "Characterization of hemoglobin (Hb) adducts with polynuclear aromatic hydrocarbons." American Association for Cancer Research, Houston, Texas, May 15-18, 1991.
26. Flesher, J.W. and **Myers, S.R.** "*Bioalkylation of benzo(c)phenanthrene (BcPh) in rat subcutaneous tissue in vivo*". American Association for Cancer Research, Houston, Texas, May 15-18, 1991.
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32. Hurst, H.E., Cai, J., and **Myers, S.R.** "*N-(2-oxoethyl)-adduct of hemoglobin (Hb) valine in mice following treatment with ethyl carbamate (EC)*", Society of Toxicology, New Orleans, LA, March 14-18, 1993.

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