

Curriculum Vitae

Name: **John Henry Richburg**, Ph.D., Professor (Tenure)

William I. Dismukes Pharmacy Fellow

ADDRESS: The University of Texas at Austin

College of Pharmacy

Division of Pharmacology and Toxicology

107 West Dean Keeton St., BME 3.510A

Austin, Texas 78712-0125

Office: (512) 471-4736; Fax: (512) 471-5002

Email: John_Richburg@mail.utexas.edu

DEGREES EARNED: B.S., Ph.D.

PRIMARY APPOINTMENTS:

1996 -1997 **BROWN UNIVERSITY**

Department of Pathology and Laboratory Medicine

- Assistant Professor (Research)

1997-present **THE UNIVERSITY OF TEXAS AT AUSTIN**

College of Pharmacy, Division of Pharmacology and Toxicology

- Assistant Professor (08/1997-08/2003)
- Associate Professor (with tenure, 09/2003-08/2010)
- Professor (09/2010-present)
- Head, Division of Pharmacology and Toxicology (09/2004-present)
- Director, NIEHS T32 Toxicology Training Program (09/2003-present)
- Director, Center for Molecular and Cellular Toxicology (09/2005-present)
- Associate Director, NIEHS Center for Research on Environmental Disease (CRED, 04/2006-present)

ADJUNCT APPOINTMENTS:

2002-present **THE UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER**

Department of Molecular Carcinogenesis

- Professor (2010-present); Associate Professor (2003-2010), Assistant Professor (2002-2003)

EDUCATION:

- 1987 **NORTHEASTERN UNIVERSITY**, Boston, MA
 College of Pharmacy and Allied Health Professions
 Bachelor of Science in Toxicology, *Cum Laude*
Honors: Dean's List; Toxicology Honors Program
- 1993 **RUTGERS, THE STATE UNIVERSITY OF NJ / UNIVERSITY OF MEDICINE AND DENTISTRY OF NJ-ROBERT WOOD JOHNSON MEDICAL SCHOOL**
 Joint Graduate Program in Toxicology, Piscataway, NJ
 Doctor of Philosophy in Toxicology
 •*Mentor*: Frederick C. Kauffman, Ph.D.
 •Thesis: "Inhibition of agonist-stimulated calcium influx in isolated rat hepatocytes by diisopropyl fluorophosphate"
- 1993 – 1995 **BROWN UNIVERSITY**
 Department of Pathology and Laboratory Medicine
 Postdoctoral Fellow, Environmental Pathology Training Grant (NIEHS T32 ES07272)
 •*Mentor*: Kim Boekelheide, M.D., Ph.D.

AWARDS & HONORS:

- 1994 Postdoctoral Student Award, Reproductive and Developmental Toxicology Subsection, Society of Toxicology
- 1993-1995 Postdoctoral Fellow, Environmental Pathology Training Grant (T32 ES 07272)
- 11/1997 "Scientist of the Month," Center for Research on Environmental Disease and the UT/MD Anderson Cancer Research Center at Science Park
- 11/1999 Nominated for the UT College of Pharmacy, Pharmacy Council, Texas Excellence in Teaching Award
- 11/2004 Nominated for the UT College of Pharmacy, Pharmacy Council, Texas Excellence in Teaching Award
- 11/2009 Nominated for the UT College of Pharmacy, Pharmacy Council, Texas Excellence in Teaching Award
- 09/01/2004 William I. Dismukes Pharmacy Fellow
 -present

MEMBERSHIP IN PROFESSIONAL SOCIETIES (Full Membership):

- Society of Toxicology (SOT) (1997-present)
- Society for the Study of Reproduction (SSR) (1997-present)
- American Association for the Advancement of Science (AAAS) (1997-present)
- American Society for Biochemistry and Molecular Biology (ASBMB) (1999-present)
- American Society of Andrology (ASA) (1999-present)
- American Chemical Society (ACS) (1999-2004)
- The Endocrine Society (2001-present)
- American Association for Cancer Research (AACR) (2001-present)
- American Society for Pharmacology and Experimental Therapeutics (ASPET) (2005-present)

SERVICE:***University of Texas at Austin***

- Member, Graduate Studies Committee, The Institute for Cellular and Molecular Biology, Graduate Program in Molecular Biology (1999-present)
- Member, Center for Molecular and Cellular Toxicology (CMCT) (1999-2005)
- Director, Center for Molecular and Cellular Toxicology (CMCT) (2005-present)
- Member, Recreational Sports Committee of the General Faculty (2001-2003)
- Member, Recreational Sports Committee of the General Faculty (2003-2005), Vice Chair, Recreational Sports Committee of the General Faculty (2004-2005)
- Member, Animal Resource Center (ARC) Faculty Advisory Committee (11/2005-present)
- Recreational Sports Committee, Faculty Council Representative (2006-2008), Vice Chair (2007-2008)
- Associate Director (04/2006-present; member since 1998), The Center for Research on Environmental Disease, A jointly funded NIEHS Center between the MD Anderson Cancer Center, Science Park Research Division and The University of Texas at Austin, College of Pharmacy.
- Member, Faculty Council, Pharmacy Representative (2006-2007; 2007-2008)
- Member, NSF IGERT program in Indoor Environmental Science and Engineering (07/01/2006- present)
- Executive Committee, NSF IGERT program in Indoor Environmental Science and Engineering (07/01/2007- present)
- Member, Review Panel, College of Natural Sciences review of the Environmental Science Institute (09/14/2007)
- Member, Faculty Building Advisory Committee (C-5), Faculty Council, 2011-2016

College of Pharmacy

- UT-Austin, College of Pharmacy, Toxicology Graduate Advisor, 1998-2005
- Participant, 2001 AACP Institute. "A Guide to Program Assessment: Developing a Plan," June 1-5, 2001, Leesburg, VA
- Member, Ethics Committee 1998-2000
- Mentor, UTEP Pharmacy Scholars Program, volunteer mentor to Amanda Loya, 1999-2000
- Member, Faculty Awards & Development Committee 1998-2000
- Co-Chair, 2003 College of Pharmacy Faculty Retreat, "What makes our College special? Capitalizing on our Diversity," 8/15, 2003
- Toxicology Graduate Student Advisor, 1998-2005
- Member, Chemical, Radiological & Biohazard Safety Committee, 2002-2005
- Member, UT College of Pharmacy, TA Committee, 2000-2005
- Member, Library Committee, 2003-2006
- Member, Educational Technology Committee, 2000-2006
- Member & Co-Chair, Space Committee, 2005-2006
- Chair, Space Committee, 2006-2008
- Member, Consultative Committee for the selection of the Dean of the College of Pharmacy, 02/2007-09/2007
- College Representative at the Annual Biochemical Research Conference for Minority Students (ABRCMS) meeting. November 7-10, 2007. Austin, Texas
- Member, College of Pharmacy Dean's Cabinet, September 2008- present
- College Representative at the Annual Biochemical Research Conference for Minority Students (ABRCMS) meeting. November 4-7, 2009. Phoenix, AZ
- Director, NIEHS T32 Toxicology Training Program, 09/2003-present
- Head, Division of Pharmacology and Toxicology, 09/2004-present
- Member, College of Pharmacy, Program Assessment Team, 2002-present
- Co-Chair, Facilities Planning Task Force, October 2010- present
- Member, COP Executive Committee, September 2011-present

Institute of Cellular and Molecular Biology

- Member, Microscope and Imaging Facility committee, 2003-2004
- Graduate Studies Committee, 1998-present

The University of Texas Health Sciences Center at Houston

- Member, Graduate Studies Committee, Graduate School in Biomedical Sciences, 2007-present

Executive Positions held in Professional Societies

- Councilor, Gulf Coast Regional Chapter of the Society of Toxicology (1999-2000)
- Member, Committee on Public Communications, Society of Toxicology (2001-2003)
- Treasurer, Gulf Coast Regional Chapter of the Society of Toxicology (2000-2004)

- Junior Councilor & Organizer of Carl C. Smith Student Awards. Mechanisms Specialty Section of the Society of Toxicology (2003-2004)
- Senior Councilor, Mechanisms Specialty Section of the Society of Toxicology (2004-2005)
- Secretary Treasurer Elect, American Society for Pharmacology and Experimental Therapeutics (ASPET), Division of Toxicology (2007-2008)
- Secretary Treasurer, American Society for Pharmacology and Experimental Therapeutics (ASPET), Division of Toxicology (2008-2009)

Service in Professional Societies

- Chair, Organizing Committee, Annual Meeting of the Gulf Coast Chapter of the Society of Toxicology. "Emerging Technologies: Functional Genomics and Proteomics." October 26-27, 2000
- Judge, Reproductive and Developmental Specialty Section of the Society of Toxicology Best Paper in Reproductive Toxicology published in the journal of *Toxicology and Applied Pharmacology*, 2001
- Judge, Carl C. Smith Graduate Student Award for the best paper presented at 2002 National Meeting of the Society of Toxicology, Nashville, TN
- Chair, Symposium "Defining the cellular and molecular mechanisms of toxicant action in the testis" at the March 2002 National Meeting of the Society of Toxicology, Nashville, TN
- Member, 2003 Symposium Organizing Committee, Center for Research on Environmental Disease. A jointly funded center between the University of Texas MD Anderson Cancer Center, Science Park Research Division and The University of Texas at Austin
- Member, Organizing Committee, Annual Meeting of the Gulf Coast Chapter of the Society of Toxicology. "Environmental Endocrine Disruptors." Lady Bird Johnson Wildflower Center, Austin Texas. November 4, 2005
- Chairperson, Poster Session: "Cell Death/Apoptosis", 45th Annual Meeting of the Society of Toxicology. San Diego, CA. March 8, 2006
- Chairperson, Poster Session: "Apoptosis: Activators and Regulatory Pathways", 48th Annual Meeting of the Society of Toxicology. Baltimore, MD. March 16, 2009

Journal Editorial Board Appointments & Ad Hoc Reviewer

- Member, Board of Reviewing Editors, *Biology of Reproduction* (07/09-06/2011)
- Member, Editorial Board, *Spermatogenesis*, A new journal established 1/2010; Publisher, Landes Bioscience, first issue 1/2011 (01/01/2010- present)
- Member, Editorial Board, *Toxicology and Applied Pharmacology* (3/03-4/2006, reappointment 4/06-5/2009, reappointment 06/09-05/2012)
- Member, Editorial Board, *Toxicology Letters* (3/99-4/2003)

- Ad hoc reviewer: *Endocrinology*, *Biology of Reproduction*, *Molecular Carcinogenesis*, *Biochemical Journal*, *Journal of Andrology*, *Molecular Reproduction*, *Human Reproduction*, *Toxicology and Applied Pharmacology*, *American Journal of Pathology*,

Journal of Toxicology and Environmental Health, Reproduction, International Journal of Andrology

Grant and Other Review Activities

- Participant, NIEHS Special Emphasis Panel “Linking Environmental Agents, Oxidative Damage and Disease,” RFA 97-002, 07/30 -08/01/1997
- Ad Hoc Member, Cardiovascular Disease Study Section, California Tobacco-related disease research program, 04/2000
- External Reviewer of Pilot Project Grants, Center for Environmental and Rural Health at Texas A&M University, 07/2001
- Ad Hoc Member, R03 Grant Review, National Institute of Child Health and Human Development Special Emphasis Panel, 11/28/2001
- Ad Hoc Member, T32 Training Grant Review Special Emphasis Panel, National Institute of Environmental Health and Safety (NIEHS), 12/17/2003
- Ad Hoc Member, U54 Grant Review Special Emphasis Panel, NIH/NICHD, 02/09/2005
- Ad Hoc Member, Lance Armstrong Foundation, Basic Science Research Grant, 09/2006
- Ad Hoc Member, NIH, Integrative and Clinical Endocrinology and Reproduction (ICER) Study Section, 02/2008
- Ad Hoc Member, NIH/NIEHS, Environmental Health Sciences Review Committee (EHSRC) review of T32 Training Grant and K99/R00, K01 and K18 applications, 11/09-11/10/2009.
- Training Grant Advisory Panel Member, UTMB’s NIEHS-sponsored Environmental Toxicology Training Program (T32-ES07254), 05/15/2010-present
- Ad Hoc Member, NIH, Cellular, Molecular and Integrative Reproduction (CMIR) Study Section, 02/10/2011

Community Service

- Presentation, Bastrop Public Library, Bastrop, TX. 11/1997. Seminar part of National Chemistry Week Events, “Male infertility and environmental chemical exposure: Is there a link?”
- Den Leader (Cub Scouts-Webelos), Boy Scouts of America, Capital Area Council. 1998-2001
- Active Member, Bethany United Methodist Church, Anderson Mill Road, Austin Texas, 1998-present
- Participant, Westlake High School, Junior Career Day, March 11, 2004. I gave a presentation on how I became a faculty in Pharmacy to Junior High School students by invitation of the PTA.

Professional Enrichment Activities

1. Participant, UT Center for Teaching Effectiveness, "New Faculty Welcome Week" program, 08/18-08/21/1997
2. Participant, UT Center for Teaching Effectiveness, Experienced Faculty Conference, 01/11- 01/12/1999
3. Attendance, UT College of Pharmacy, Pharmacology Case Writer's Conference, 12/15/1999
4. Participant, UT Center for Teaching Effectiveness, Experienced Faculty Conference, 01/2000
5. Participant, 2001 American Association of Colleges of Pharmacy (AACP) Institute, "A Guide to Program Assessment: Developing a Plan," Leesburg, VA , 06/01-06/05/2001
6. Participant, UT Center for Teaching Effectiveness, Experienced Faculty Conference, 01/07-01/08/2002
7. Participant, seminar "Sharing What Works: Enhancing Communication through Technology," The Division of Instructional Innovation and Assessment (DIIA) and the College of Education, 07/09/2002
8. Participant, "Workshop for Department Chairs and Organized Research Unit Directors," UT-Austin Office of the Vice President, JJ Pickle Research Campus, 08/22-08/23/2005
9. Participant, "Insight into Philanthropy" workshop sponsored by UT-Austin Development Office, 10/2007
10. Participant, "Teaching with Blogs and Wikis," The Division of Instructional Innovation and Assessment (DIIA), 08/20/2009

TEACHING:**COURSE PARTICIPATION: (current academic year)****PharmD**

PHR 395G, Pharmacotherapeutics, GI modules (8 x 50 min lectures). Fall 2002-present
 PHR 253D, Principles of General Pathology, Course Coordinator. Spring 2011-present
 PHR 362L, Clinical Toxicology
 PHR 142H, Convocation

Graduate

PHR 384K, Fundamentals of Toxicology, units on reproductive toxicology (4 x 1.5 h lectures) & liver toxicology (2 x 1.5 h lectures) 2004-present
 PHR 380N, Biomedical Pharmacology, "Toxicology" (1.5 h), GI pharmacology (4 x 1.5h lectures) Fall 2004-present
 PHR 196T, Toxicology seminar, Course coordinator Fall & Spring, 2006-present
 PHR 390N, Biochemical and Molecular Toxicology, Course coordinator, Apoptosis lecture (2 x 1.5 h lectures) 2003-present
 PHR 185D, The Responsible Conduct of Science, Lecture on data management. Fall 2001-present (1 h)

UTMDACC course, Mechanisms in Carcinogenesis, Lecture on Apoptosis (1.5 h), Spring 2007-present

STUDENTS SUPERVISED: (*denotes chair of committee, #denotes co-chair)

Postdoctoral Fellows

- Pragati Sawhney, Ph.D.* 08/2000-03/2006
- Pei-li Yao, Ph.D.* 01/2009-08/2011

Graduate Students

Masters Degree:

- Kathleen Wurm, M.S.* 11/1999 Toxicology
- Karen Romelfanger, M.S. # 05/2002 Pharmacol., Co-advisor G. Miller
- Yang Ye, M.S.* 08/2005 Toxicology
- Dmitriy Ovcharenko, M.S. # (left program) Toxicology, Co-advisor A. Ellington

Doctoral Degree:

- John Giammona, Ph.D.* 12/2002 Toxicology
- Catherine Castro (left program) 05/02-8/03 Molecular Biology
- Yu "Matt" Liu, Ph.D. # 05/2004 Toxicology, Co-advisor C Walker
- Yamini Chandrasekaran, Ph.D.* 07/2005 Toxicology
- Minhao Wu, Ph.D. # 05/2007 Toxicology, co-advisor M Aldaz
- Chad McKee, Ph.D.* 09/2007 Molecular Biology
- Raju Pusapati, Ph.D.# 11/2008 Toxicology, co-advisor D Johnson
- Pei-li Yao, Ph.D.* 12/2008 Molecular Biology
- Jelena Todorovic# 10/2010 Toxicology, Co-advisor J Mihic
- Yichen Lin* 01/2005-present, Toxicology
- Jessica Dwyer* 08/2006-present, Molecular Biology
- James Harman* 01/2008-present, Toxicology
- Angela Stermer* 08/2011-present, Toxicology

Undergraduate Students

Special Topics:

- Adrian Nañez Summer 1997-Spring 2002
- Steven Pavlas Fall 1998-Spring 1999
- Cathy Lau Summer-Fall 2000
- Bianca Gonzales Summer 2001-Spring 2002
- Mohammed Akbani Fall 2000-Spring 2002
- Azuka Onwudiegwu Fall 2002
- Marissa Meyers Spring 2003
- Junaid Akbani Fall 2002-Spring 2003

•Ruth Starvolt	Fall 2003-Spring 2004, Fall 2004-Spring 2005
•Tiffany Robinson	Fall 2004-Spring 2005, Fall 2005-Spring 2006
•Borna Karamzadeh	Spring2007 - Summer 2007
•Brittany Robison	Fall 2007-Spring 2008, Fall 2008
•Linda Do	Spring 2007-Sum 2008, Fall 2008 -Spring 2009
•Vitali Azouz	Summer 2009

Pharmacy Honors Program:

•Ashkya Patel	Fall 1998
•Greg Russell	Summer 1998, Fall 1998, Spring 1999
•Samantha Alexander	Fall 2007, Spring 2008

Pharmacy Council, Disease Awareness Project on Sun Safety:

(students listed are the Pharmacy Council Chairs of the Disease Awareness Committee for that Year)

•Grace Wang	Spring 2006
•Clara Ngo	Fall 2006-Summer 2007
•Lynn Stamps	Fall 2007-Summer 2008

Summer Minority Undergraduate Research Program:

•Claribel Luciano	Summer 2000
•Bianca Gonzales	Summer 2001
•Azuka Onwudiegwu	Summer 2002
•Patrice Miller	Summer 2002
•Baru-Ta Foma	Summer 2003
•Cynthia Roland	Summer 2003
•Christopher Piña	Summer 2004
•Joshua Hubbard	Summer 2005
•Keith Rodriguez	Summer & Fall 2005
•Tiffany Robison	Summer 2006
•Chelsea Perfect	Summer 2011

STUDENT COMMITTEES:

Doctoral Thesis Committees (*denotes chair of committee, #denotes co-chair)

•John D. Robertson, Ph.D.	05/1999	Toxicology
•Shawn B. Bratton, Ph.D.	08/1999	Toxicology
•Hae-Song Yoon, Ph.D.	12/2000	Toxicology
•Shuang Bai, M.D., Ph.D.	04/2001	Pharmaceutics
•George K. Acquaaah-Mensah, Ph.D.	08/2001	Neuropharmacology
•Yumiko Honse, Ph.D.	08/2001	Neuropharmacology
•Erik W. Wilker, Ph.D.	12/2001	Toxicology

•Julie C. Kern, Ph.D.	12/2002	Toxicology
•C. John Giammona, Ph.D.*	12/2002	Toxicology
•Doug Jones, Ph.D.	05/2004	Neuropharmacology
•Yu "Matt" Liu, Ph.D.#	05/2004	Toxicology
•Abby D. Benninghoff, Ph.D.	07/2004	Marine Science
•Zhe Jia, Ph.D.	08/2004	Toxicology
•Jing Dong, Ph.D.	11/2004	Toxicology
•Mi Young Yang, Ph.D.	05/2005	Toxicology
•Yamini Chandrasekaran, Ph.D.*	07/2005	Toxicology
•Shelley Callhan, Ph.D.	08/2005	Pharmaceutics
•Vaidehee Deshpande, Ph.D.	11/2005	Toxicology
•Ming-chieh Shun, Ph.D.	12/2005	Nutrition
•Maria Elena Reveron, Ph.D.	05/2006	Neuropharmacology
•Minhao Wu, Ph.D.#	05/2007	Toxicology
•Chad McKee, Ph.D.*	09/2007	Toxicology
•Mark Fountain, Ph.D.	05/2008	Chemistry
•Shankar Varadarajan, Ph.D.	07/2008	Molecular Biology
•Young Eun Choi, Ph.D.	07/2008	Toxicology
•Matthew Nicollete, Ph.D.	08/2008	Molecular Biology
•Pei-Li Yao, Ph.D.*	11/2008	Molecular Biology
•Raju Pusapati, Ph.D.#	11/2008	Toxicology
•Di Wu, Ph.D.	02/2009	Neuropharmacology
•Shreya Mitra, Ph.D.	04/2009	Toxicology
•Jae Kyoung Son, Ph.D.	11/2009	Toxicology
•Azadeh Nasrazadani	07/2010	Toxicology
•Jelena Todorovic#	10/2010	Toxicology
•Lee Blaney	07/2011	Civil, Architectural & Environmental Engineering
•Yichen Lin*	pending	Toxicology
•Jessica Dwyer*	pending	Molecular Biology
•James Harman*	pending	Toxicology
•Indra Mahajan	pending	Toxicology
•Michael Cantrell	pending	Molecular Biology

Masters Thesis Committees (*denotes chair of committee, #denotes co-chair)

•Hae-Song Yoon, M.S.	05/1998	Toxicology
•Xiang Feng, M.S.	08/1998	Toxicology
•Kathleen Wurm, M.S.*	11/1999	Toxicology
•Christine M. Cinege, M.S.	05/2000	Toxicology
•Shannon E. Ethridge, M.S.	08/2001	Toxicology

•Anne M. Scott, M.S.	11/2001	Neuropharmacology
•Maria E. Reveron, M.S.	05/2002	Neuropharmacology
•Karen Romelfanger, M.S. #	05/2002	P'col., Co-advisor G. Miller
•Elisa Beth Atarod, M.S.	12/2003	Toxicology
•Ning Ma, M.S.	12/2003	Toxicology
•April Palmer, M.S.	05/2004	Toxicology
•Yang Ye, M.S.*	08/2005	Toxicology
•Shreya Mitra, M.S.	12/2006	Toxicology
•Xin Chen, M.S.	12/2007	GSBS, UTMDACC

STUDENT AWARDS:

- Greg Russell, 3/98-12/98, UT Office of the Vice President for Research, Undergraduate Research Fellowship, "Mechanisms of phthalate-induced testicular injury: Role of vimentin filaments in Sertoli cells," \$1000
- C. John Giammona, 1998, Pre-emptive scholarship of \$2,000 from the UT Graduate School
- Adrian Nañez, Summer 1999, Fellow, NIH Short-Term Research Training Program for Minority Undergraduates
- C. John Giammona, 1999, UT Austin College of Pharmacy, Division of Pharmacology and Toxicology Scholarship
- C. John Giammona, 1999, Honorable Mention, Best Poster Presentation, Annual Gulf Coast Chapter Regional Meeting of the Society of Toxicology
- Adrian Nañez, 11/1999-08/2000, UT Office of the Vice President for Research, Undergraduate Research Fellowship, "The role of the Fas-receptor in testicular germ cell death in young mice," \$1000
- Adrian Nañez, 06/2000-08/2000, NSF's Louis Stokes Alliance for Minority Participation (LSAMP) Fellowship, \$1,200 Stipend and \$250 tuition reimbursement
- Adrian Nañez, 08/2000-12/2000, NSF's Louis Stokes Alliance for Minority Participation (LSAMP) Fellowship, \$1,200 Stipend and \$250 tuition reimbursement
- Claribel Luciano Montalvo, Summer 2000, Fellow, NIH Short-Term Research Training Program for Minority Undergraduates
- C. John Giammona, 2000, Johnson and Johnson Endowed Graduate Fellowship in Pharmacy
- C. John Giammona, 2000-2001, The University of Texas Continuing Fellowship
- C. John Giammona, 09/2001-05/2002, Pre-doctoral fellow, NIEHS T32 training grant
- Adrian Nañez, 03/2001-08/2001, UT Office of the Vice President for Research, Undergraduate Research Fellowship, "Is the Fas signaling system responsible for all types of toxicant induced apoptosis?" \$1000
- Adrian Nañez, 11/2001-08/2002, UT Office of the Vice President for Research, Undergraduate Research Fellowship, "Characterization of apoptotic proteins involved in nitrobenzene induced testicular germ cell apoptosis," \$1000

- Bianca Gonzales, Summer 2001, Fellow, NIH Short-Term Research Training Program for Minority Undergraduates
- Bianca Gonzales, 11/2001-08/2002, UT Office of the Vice President for Research, Undergraduate Research Fellowship, "Effects of cisplatin on apoptotic pathways in mouse testes," \$1000
- Azuka Onwudiegwu, Summer 2002, Fellow, NIH Short-Term Research Training Program for Minority Undergraduates
- Patrice Miller, Summer 2002, Fellow, NIH Short-Term Research Training Program for Minority Undergraduates
- Yamini Chandrasekaran, 2003-2004, Johnson & Johnson Endowed Graduate Fellowship In Pharmacy of \$1,000
- Mohammed Junaid Akbani, 2003 UT Undergraduate Research Fellowship, \$1,000
- Yang Ye, Travel Award, 2003 Annual Meeting of the Gulf Coast Society of Toxicology
- Yang Ye, 2003, Honorable Mention, Poster Presentation, Annual Meeting of the Gulf Coast Society of Toxicology
- Pei-Li Yao, 2006, Best Poster Presentation, Annual Meeting of the Gulf Coast of the Society of Toxicology, Baylor University, Waco, Texas
- Yi-Chen Lin, 2006, 3rd place, Poster Presentation, Annual Meeting of the Gulf Coast of the Society of Toxicology, Baylor University, Waco, Texas
- Chad McKee, 2006, Best Platform Presentation, Annual Meeting of the Gulf Coast of the Society of Toxicology, Baylor University, Waco, Texas
- Chad McKee, 2007, Student Travel Award, \$600, Experimental Biology 2007, Washington, DC; Given by the American Society for Pharmacology and Experimental Therapeutics (ASPET), 04/28/2007-05/02/2007
- Pei-Li Yao, 2007, Reynolds Award for Best Platform Presentation (\$300), Annual Meeting of the Gulf Coast of the Society of Toxicology, Texas A & M University, College Station Texas
- Pei-Li Yao, 2008, Annual Meeting of the Society of Toxicology (03/2008, Seattle, WA): #348. Molecular Biology specialty section, second place best platform presentation (\$500); and SOT Graduate Student Travel Award (\$800)
- Linda Do, 2008-2009 Undergraduate Research Fellowship (\$1,000)
- Yichen Lin, 2009, Annual Meeting of the Society of Toxicology (3/2009, Baltimore, MD): SOT Graduate Student Travel Award
- James Harman, 09/2007-present, Pre-doctoral fellow, NIEHS T32 training grant
- Jessica Cobarrubia, NSF IGERT Fellowship on Indoor Environmental Science and Engineering (09/2007-08-2008, 09/2008-08/2009); For each year she has received a \$30,000 stipend, tuition & fees, and \$500 for supplies
- Pei-Li Yao, 2010, Annual Meeting of the Society of Toxicology (03/2010, Salt Lake City, UT). Molecular Biology Specialty Section, First place, Postdoctoral Research Award (\$500).
- James Harman, 2010, Student Travel Award, \$125, Gulf Coast Society of Toxicology 2010, Houston, TX; Annual Meeting of the GCSOT 10/14-15, 2010.
- Jessica Dwyer, 2010, Student Travel Award, \$125, Gulf Coast Society of Toxicology 2010, Houston, TX; Annual Meeting of the GCSOT 10/14-15, 2010.

- Yichen Lin, 2010, Student Travel Award, \$125, Gulf Coast Society of Toxicology 2010, Houston, TX; Annual Meeting of the GCSOT 10/14-15, 2010.
- Pei-Li Yao, 2011, Annual Meeting of the Society of Toxicology (03/2011, Washington, DC). Postdoctoral Achievement Award, Women in Toxicology Special Interest Group (\$300).
- Jessica Dwyer, 2011, Student Travel Award, \$800, Gordon Research Conference, Molecular and Cellular Mechanisms of Toxicity 2011, Proctor Academy, Andover, NH; 08/07-12, 2011.

RESEARCH SUPPORT:

(current year direct costs)

A. Active FundingNIH

- RO1 ES016591-03 (PI, JH Richburg, 25% effort) 05/01/11 – 04/30/2014
NIH/NIEHS \$202,500
“Sertoli cell toxicant injury and mechanisms of testicular germ cell apoptosis”
-This project investigates the cellular and molecular changes instigated in the testis that lead to germ cell loss as a result of phthalate-induced reduction in Sertoli cell supportive capacity

Administrative Supplement 07/01/09 – 06/30/2014
\$12,659/\$12,659
- T32 ES07247-18 (PI, JH Richburg, 10% effort) 07/01/2009-06/30/2014
NIH/NIEHS \$240,591
“Training in Molecular Toxicology and Environmental Disease” NIH/NIEHS
-This is a training grant that supports four pre-doctoral trainees and two postdoctoral trainees with the goal of preparing them for careers that address the molecular and cellular mechanisms by which environmental agents instigate toxicity and disease
-Dr. Richburg serves as Director of this program.
- P30 ES07784 (PI, D. Johnson) 04/1/2007 – 3/31/2012
NIH/NIEHS \$1,100,000
“Mechanisms and Prevention of Environmental Disease”
-This grant is a NIEHS Center Grant and Dr. Richburg serves as the Associate Director (10% effort)
- R25 ES016147 (Co-PIs, Richburg & Fuchs-Young, 5% effort) 11/01/2007 – 10/31/2012
NIH/NIEHS \$57,503
“EHS Summer Undergraduate Research Program (EHS-SURP), Short-Term Educational Experiences for Research (STEER).”
-This is a training grant to support undergraduate research experiences in the summer. Dr. Richburg serves as Co-Director (5% effort) with Dr. Robin Fuchs-Young at UTMDACC-SPRD

- T32 CA009480-21A2 (PI, E Richie) 09/01/1984 - 06/30/2012
NIH/NCI
"Research Training in Carcinogenesis and Mutagenesis "
-This is a training grant for support of five postdoctoral and two pre-doctoral trainees. Dr. Richburg serves as training faculty member of this program.

UT supported

- UT, Office of the Vice President for Research 10/2010-8/2011
Research Grant \$6,000
"Deciphering the underlying mechanisms that account for cisplatin-induced male infertility"

B. Pending Projects: (annual direct costs)NIH

- R01 (PI, JH Richburg, 15% effort) 05/01/13 -4/30/2016
Targeting January 5, 2011 submission
NIH/NICHD \$225,000/yr
"Mechanisms underlying chemotherapy-induced long-term failure of spermatogenesis"
-This project investigates the mechanisms that account for the lasting damage to the testis and infertility as a result of chemotherapy and tests strategies to protect against this injury

C. Previous Funding: (Total direct costs)NIH

- P30 ES 07784 (PI, JH Richburg) 08/01/2007-07/31/2008
NIEHS Center Grant; Pilot Project Grant \$45,000
"Altered death receptor-regulated testicular germ cell apoptosis during a critical pubertal developmental period and environmental-associated testicular disease"
- T32 ES07247-17S1 (PI, JH Richburg) 07/01/2008 – 6/30/2009
NIH/NIEHS \$165,609
"Training in Molecular Toxicology and Environmental Disease"
- R03 ES014386-01 (PI, JH Richburg) 01/16/2006 – 12/31/2007
NIH/NIEHS \$150,000
"Cisplatin and Mechanisms of long-term male infertility"
- T35 ES07307-09 (PI, JH Richburg) 4/1/2002 – 3/31/2007
NIH/NIEHS \$74,623
"Short-term Research Training for Minority Students"
- R01 ES09145 yr 01-03 (PI, JH Richburg) 07/01/1997-06/30/2000
NIH/NIEHS \$313,543
"Environmental Testicular Toxicity and Germ Cell Apoptosis"

- R01 ES09145 yr 04-08 (PI, JH Richburg) 09/01/2000-08/31/2005
 NIH/NIEHS \$1,000,000
 "Environmental Testicular Toxicity and Germ Cell Apoptosis"
- R01 ES009145-06S1 (PI, JH Richburg) 09/01/2000-08/31/2005
 NIH/NIEHS \$50,952
 "Minority supplement"
- P30 ES 07784 (PI, JH Richburg). 07/1998-06/1999
 NIEHS Center Grant; Pilot Project Grant \$15,940
 "Mechanisms of Phthalate-Induced Testicular Toxicity,"
- T32 ES07247-14 (PI, JH Richburg; training grant director). 07/01/2004-06/31/2005
 NIH/NIEHS Training Grant \$198,515
 "Training in Molecular Toxicology and Environmental Disease"
- T35 ES07307-08 (PI, JH Richburg; training grant director) 04/2004-03/2005
 NIH/NIEHS \$81,375
 Undergraduate Minority Research Training Grant
- T32 CA 09480 (PI E Richie) 07/01/2001-06/30/2006
 NIH/NCI
 "Research Training in Carcinogenesis and Mutagenesis," JH Richburg served as a member of the Training Faculty
- S06 GM008197-20 (PI, S Bonetti, CSU-Pueblo) 08/01/2002-07/31/2006
 NIH/GM MBRS Program project 02 (PI, MM Diawara) \$313,543,
 "Mechanisms of Psoralen-Induced Reproductive Toxicity," JH Richburg served as a Mentor to Dr. Diawara.
- T32 ES07247-13 (PI, JH Richburg) 7/01/03-6/31/04
 NIH/NIEHS \$181,440
 "Training in Molecular Toxicology and Environmental Disease"
- T35 ES07307-07 (PI JH Richburg; training grant director) 04/2003-03/2004
 NIH/NIEHS \$78,203
 "Undergraduate Minority Research Training Grant"
- P30 ES07784 (PI, J DiGiovanni) 04/01/1996-03/31/2001
 NIH/NIEHS Center Grant
 "Mechanisms and Prevention of Environmental Disease," JH Richburg is a Center Member since 1997

- T32 ES07247 (PI SS Lau) 07/1990-06/1999
NIH/NIEHS
“Mechanisms of Organ Specific Toxicology of Xenobiotics,” JH Richburg was a Training Faculty since 1997

NSF

- Jessica Cobarrubia (Richburg graduate student) 09/2007-08-2008, 09/2008-08/2009
NSF IGERT Graduate Fellowship on Indoor Environmental Science and Engineering; for each year she has received a \$30,000 stipend, tuition & fees, and \$500 for supplies
- CHE-0243659 (PI, J Brodbelt) 03/15/2003-02/29/2006
NSF \$192,000
REU: “Interdisciplinary Undergraduate Research in Environmental Science”
JH Richburg serves as a faculty mentor
- NSF’s Louis Stokes Alliance for Minority Participation (LSAMP) Fellowship
(Adrian Nañez, Undergraduate) 08/2000-12/2000
\$1,200 Stipend and \$250 tuition reimbursement
- NSF’s Louis Stokes Alliance for Minority Participation (LSAMP) Fellowship
(Adrian Nañez, Undergraduate) 06/2000-08/2000
\$1,200 Stipend and \$250 tuition reimbursement

Foundation Funding

- Lance Armstrong Foundation (PI, JH Richburg) 01/01/2002-12/31/2004
“Cisplatin and Mechanism of Testicular Germ Cell Apoptosis” \$150,000

UT supported

- UT, Office of the Vice President for Research (PI, JH Richburg) 10/06/2007-8/31/2009
Special Research Grant \$750
“Assessment of NFkB signaling in FasL-/- mice following environmental toxicant exposure”
- UT, Office of the Vice President for Research 10/2008-08/2009
Undergraduate Research Fellowship (Linda Do) \$1,000.
“Preserving the fertility of male chemotherapy patients”
- UT, Office of the Vice President for Research (PI, JH Richburg) 11/01/2007-10/31/2008
Special Research Grant \$750
“Characterization of the functional role of ITCH in testicular germ cells”
- UT, Office of the Vice President for Research (PI, JH Richburg) 01/11/2007-08/31/2007
Special Research Grant \$750.

“Evaluation of the Functional Role of Fas/FasL and TRAIL/DR5 in the Testis of Pre-pubertal *versus* Adult Mice”

- UT, Office of the Vice President for Research (PI, JH Richburg) 12/2003-8/2004
 Special Research Grant \$750
 “c-FLIP degradation in a p53-Dependent Process is the basis for Death Receptor Activation During Germ Cell Apoptosis”

- UT, Office of the Vice President for Research 11/2002-8/2003,
 Undergraduate Research Fellowship (Mohammed J. Akbani) \$1,000
 “Characterization of protein signaling after cisplatin-induced germ cell death in C57/Bl/6 mice”

- UT, Office of the Vice President for Research 12/2002-8/2003
 Research Grant \$6,000
 “Cisplatin-induced irreversible Sertoli cell injury and continuous elimination of testicular germ cells in C57/Bl/6 mice”

- UT, Office of the Vice President for Research (PI, JH Richburg) 12/2000-8/2001
 Special Research Grant \$750
 “Mechanisms of Stage-Dependent Sensitivity of Testicular Germ Cells to Apoptotic Cell Death”

- UT, Office of the Vice President for Research (PI, JH Richburg) 12/1999-08/2000
 Special Research Grant \$750
 “Mechanisms of age-dependent susceptibility to testicular injury by environmental toxicants”

- UT, Office of the Vice President for Research 11/2001-8/2002
 Undergraduate Research Fellowship (Adrian Nañez) \$1,000
 “Characterization of apoptotic proteins involved in nitrobenzene induced apoptosis”

- UT, Office of the Vice President for Research 11/2001-08/2002
 Undergraduate Research Fellowship (Bianca Gonzales) \$1,000
 “Effects of Cisplatin on Apoptotic Pathways in the Mouse Testes”

- UT, Office of the Vice President for Research 03/2001-08/2001
 Undergraduate Research Fellowship (Adrian Nañez) \$1,000
 “Is the Fas signaling system responsible for all types of toxicant induced apoptosis?”

- UT, Office of the Vice President for Research 11/1999-08/2000
 Undergraduate Research Fellowship (Adrian Nañez) \$1000
 “The role of the Fas-receptor in testicular germ cell death in young mice”

- UT, Office of the Vice President for Research 03/1998-12/1998
 Undergraduate Research Fellowship (Greg Russell) \$1,000
 “Mechanisms of phthalate-induced testicular injury: Role of Vimentin filaments in Sertoli cells”

INTERNATIONAL INVITED LECTURES:

- 06/1999 •European Societies of Toxicology Annual Congress, Oslo, Norway, "The relevance of spontaneous and chemically-induced alterations in testicular germ cell apoptosis to toxicology"
- 06/1999 •Karolinska Institute, Stockholm, Sweden, "Participation of the Fas-signaling system in toxicant-induced testicular germ cell apoptosis," Host: S.G. Orrenius, M.D., Ph.D.
- 06/1999 •MRC Toxicology Unit, University of Leicester, U.K. "Participation of the Fas-signaling system in toxicant-induced testicular germ cell apoptosis" Host: G.M. Cohen, Ph.D.

NATIONAL INVITED LECTURES:

- 02/1995 •Cornell University, Ithaca, NY, Field of Environmental Toxicology Seminar Series, "Cessation of seminiferous tubule fluid secretion precedes testicular germ cell loss in rats exposed to 2,5-hexanedione"
- 02/1996 •Northeastern University, Boston MA, Toxicology Colloquium, "Testicular germ cell apoptosis: A 'final common pathway' of germ cell death after toxicant-induced Sertoli cell injury," Host: R.A. Schatz, Ph.D.
- 03/1997 •36th Annual SOT Meeting, Seattle, WA, Symposium "Perturbation of the mitosis/apoptosis balance: A fundamental mechanism in toxicology," Talk entitled "Phthalate-induced alterations in testicular germ cell apoptosis"
- 10/1997 •The University of Texas M.D. Anderson Cancer Center, Science Park Research Division, Smithville, TX, Center for Research on Environmental Disease, "Phthalate-induced alterations in Fas-mediated testicular germ cell apoptosis," Host: J DiGiovanni, Ph.D.
- 04/1998 •Texas A&M University, College Station, TX, Faculty of Toxicology Seminar Series, "Phthalate-induced alterations in Fas-mediated testicular germ cell apoptosis," Host: L Johnson, Ph.D.
- 07/1998 •Gordon Research Conference, Henniker, NH, "Participation of Sertoli cell expressed FasL in the initiation of germ cell apoptosis in young rat testis after exposure to mono-(2-ethylhexyl) phthalate (MEHP)," Presentation in Late Breaking Research Session
- 09/1998 •The University of Texas-Houston, School of Public Health, Houston, TX, Toxicology Seminar, "Phthalate-induced alterations in Fas-mediated testicular germ cell apoptosis" Host: M.A. Smith, Ph.D.
- 04/2000 •The University of Texas Medical Branch, Galveston, TX, Environmental Health Seminar Series, "Phthalate-induced alterations in Fas-mediated testicular germ cell apoptosis," Host: Paul Boor, M.D., Ph.D.
- 02/2001 •The UT-MD Anderson Cancer Center-SPRD, Smithville, TX, "Is it murder or suicide? Mechanisms of testicular germ cell death after MEHP [mono-(2-ethylhexyl) phthalate] exposure," Host: D. Tang, Ph.D.
- 02/2002 •The University of Connecticut, Storrs, CT, "Is it murder or suicide? Mechanisms of testicular germ cell death after MEHP [mono-(2-ethylhexyl) phthalate] exposure," Host: J. Manatu, Ph.D.
- 03/2002 •The University of Michigan, Ann Arbor, MI, "Is it murder or suicide? Mechanisms of testicular germ cell death after MEHP [mono-(2-ethylhexyl) phthalate] exposure." Host: M. Philbert, Ph.D.

- 03/2002 •Symposium Presentation at annual meeting of the Society of Toxicology, Nashville, TN, “Not so Fas: Evidence for the differential involvement of Fas-independent signaling pathways in the testis” in session entitled “Defining the cellular and molecular mechanisms of toxicant action in the testis”
- 04/2002 •Southern University, Baton Rouge, LA, “Not so Fas: Evidence for the differential involvement of Fas-independent signaling pathways in the testis,” Host: P. Muganda, Ph.D.
- 04/2003 •The University of North Carolina at Chapel Hill, Curriculum in Toxicology, Chapel Hill, NC, “Participation of death receptor-dependent and -independent signaling pathways in toxicant-induced testicular germ cell apoptosis,” Host: I. Ruysn, Ph.D.
- 04/2003 •Colorado State University-Pueblo, Minority Biomedical Research Support Program, Pueblo, CO, “Participation of death receptor-dependent and -independent signaling pathways in toxicant-induced testicular germ cell apoptosis,” Host: S. Bonetti, Ph.D.
- 11/2003 •The University of Texas MD Anderson Cancer Center, Department of Cancer Biology, Program in Toxicology, Houston, TX, “Toxicant-induced Sertoli cell injury and germ cell apoptosis: Role of death receptor signaling,” Host: David J. McConkey, Ph.D.
- 01/2004 •The University of Rhode Island, Biomedical Research Infrastructure Network seminar series, Kingston, RI, “Role of death receptor signaling in germ cell apoptosis triggered by MEHP-induced Sertoli cell injury,” Host: Nasser Zawia, Ph.D.
- 04/2005 •2005 Toxicology and Risk Assessment Conference, Ohio, "Role of death receptor signaling in testicular germ cell apoptosis triggered by mono-(2-ethylhexyl) phthalate (MEHP)-induced Sertoli cell injury,” Host: Charles Smith, Ph.D.
- 07/2006 •2006 Gordon Research Conference on Mechanisms of Toxicity, Colby College, Waterville, ME, Session entitled: Cell-cell interactions that mediate organ system toxicity, "Sertoli cell preservation of fertility by triggering germ cell apoptosis? An irony revealed by reproductive toxicants”

PEER-REVIEWED PUBLICATIONS:

1. Halleck, MM, **Richburg, JH** and Kauffman, FC (1992). Reversible and irreversible oxidant injury in PC12 cells by hydrogen peroxide. *Free Radical Biology and Medicine* 12:137-144. PMID: 1559617
2. Zaleski, J, **Richburg, J** and Kauffman, FC (1993). Preservation of the rate and profile of xenobiotic metabolism in rat hepatocytes stored in liquid nitrogen. *Biochemical Pharmacology* 46: (1) 111-116. PMID: 8347122
3. **Richburg, JH** and Kauffman, FC (1994). Diisopropyl fluorophosphate inhibits receptor-activated Ca²⁺-influx in isolated rat hepatocytes. *Toxicology and Applied Pharmacology* 126: 178-185. PMID: 8184427
4. Redenbach, DM, **Richburg, JH** and Boekelheide, K (1994). Microtubules with altered assembly kinetics have a decreased rate of kinesin-based transport. *Cell Motility and the Cytoskeleton* 27:79-87. PMID: 8194112
5. **Richburg, JH**, Redenbach, DM and Boekelheide, K (1994). Seminiferous tubule fluid secretion is a Sertoli cell microtubule-dependent process inhibited by 2,5-hexanedione exposure. *Toxicology and Applied Pharmacology* 128:302-309. PMID: 7940545
6. **Richburg, JH** and Boekelheide, K (1996). Mono-(2-ethylhexyl) phthalate rapidly alters both Sertoli cell vimentin filaments and germ cell apoptosis in young rats testes. *Toxicology and Applied Pharmacology* 137:42-50. PMID: 8607140
7. Lee, J, **Richburg, JH**, Younkin, SC and Boekelheide, K (1997). The Fas system is a key regulator of germ cell apoptosis in the testis. *Endocrinology* 138:2081-2088. PMID: 9112408
8. Roberts, RA, Nebert, DW, Hickman, JA, **Richburg, JH** and Goldsworthy, TL (1997). Perturbation of the mitosis/apoptosis balance: A fundamental mechanism in toxicology. *Fundamental and Applied Toxicology* 38:107-115. PMID: 9299183
9. Boekelheide, K., Hall, SJ and **Richburg, JH** (1998). *In vitro* evaluation of Sertoli cell toxicants which target microtubules and decrease seminiferous tubule fluid formation. *In vitro Toxicology* 11:309-314.
10. Boekelheide, K, Lee, J, Shipp, EB, **Richburg, JH** and Li, G (1998). Expression of Fas system-related genes in the testis during development and after toxicant exposure. *Toxicology Letters* 102-103:503-508. PMID: 10022303
11. Lee, J, **Richburg, JH**, Shipp, EB, Meistrich, ML and Boekelheide, K (1999). The Fas system, a regulator of testicular germ cell apoptosis, is differentially upregulated in Sertoli cell. Versus germ cell injury of the testis. *Endocrinology* 140:852-858. PMID: 9927315
12. **Richburg, JH**, Nañez, A and Gao, H (1999). Participation of the Fas-signaling system in the initiation of germ cell apoptosis in young rat testes after exposure to mono-(2-ethylhexyl) phthalate (MEHP). *Toxicology and Applied Pharmacology* 160:271-278. PMID: 10544061
13. **Richburg, JH**, Nañez, A, Williams, L, Younkin, S, Embree, M and Boekelheide, K (2000). Sensitivity of testicular germ cells to toxicant-induced apoptosis in *gld* mice that express a non-functional form of FasL. *Endocrinology* 141:787-793. PMID: 10650961
14. **Richburg, JH** (2000). The relevance of spontaneous- and chemically-induced alterations in testicular germ cell apoptosis to toxicology. *Toxicology Letters* 112-113:79-86. PMID: 10720715
15. **Richburg, JH**, Johnson, K, Schoenfeld, HA, Meistrich, ML and Dix, DJ (2002). Defining the cellular and molecular mechanisms of toxicant action in the testis. *Toxicology Letters* 135 (3): 167-183. PMID: 12270675

16. Giammona, CJ, Sawhney, P, Chandrasekaran, Y and **Richburg, JH** (2002). Death receptor response in rodent testis after mono-(2-ethylhexyl) phthalate exposure. *Toxicology and Applied Pharmacology*, 185:119-127. PMID: 12490136
17. Seaman FC, Sawhney, P, Giammona, CJ and **Richburg, JH** (2003). Cisplatin-induced pulse of germ cell apoptosis precedes long-term elevated apoptotic rates in C57/B6 mouse testis. *Apoptosis* 8 (1):101-108. PMID: 12510157
18. **Richburg, JH** and Nañez, A. (2003). Fas- or FasL-deficient mice display increased sensitivity to nitrobenzene-induced testicular germ cell apoptosis. *Toxicology Letters* 139:1-10. PMID: 12595153
19. Sawhney, P, Giammona, CJ, Meistrich, ML and **Richburg, JH** (2005). Cisplatin-induced long-term failure of spermatogenesis in adult C57/Bl/6J mice. *Journal of Andrology* 26:136-145. PMID: 15611578
20. Chandrasekaran, Y and **Richburg, JH** (2005). The p53 protein influences the sensitivity of testicular germ cells to mono-(2-ethylhexyl) phthalate-induced apoptosis by increasing the membrane levels of Fas and DR5 and decreasing the intracellular amount of c-FLIP. *Biology of Reproduction* 72: 206-213 (Epub 2004 Sep 15). PMID: 15371270
21. Chandrasekaran, Y, McKee, CM, Ye, Y and **Richburg, JH** (2006). Influence of TRP53 status on FAS membrane localization, CFLAR (c-FLIP) ubiquitinylation, and sensitivity of GC-2spd (ts) cells to undergo FAS-mediated apoptosis. *Biology of Reproduction* 74: 560-568 (Epub 2005 Nov 23). PMID: 16306425
22. **Richburg, JH** (2006). The role of death receptor signaling in testicular germ cell apoptosis triggered by mono-(2-ethylhexyl)phthalate (MEHP)-induced Sertoli cell injury and its implications for risk assessment. *Journal of Toxicology and Environmental Health, Part A* 69: 793-809.
23. McKee, CM and **Richburg, JH** (2006). Testicular germ cell sensitivity to TRAIL-induced apoptosis is dependent on p53 expression and is synergistically enhanced by DR5 agonistic antibody treatment. *Apoptosis* 11(12): 2237-50. PMID: 17051329
24. Yao, P, Lin, Y, Sawhney, P, and **Richburg, JH** (2007). Transcriptional regulation of FasL expression and participation of sTNF-alpha in response to Sertoli cell injury. *Journal of Biological Chemistry* 282:(8) 5420-5431 (Epub 2006 Dec 27). PMID: 17192273
25. Yao, P, Lin, Y and **Richburg, JH** (2009). TNF- α -mediated disruption of spermatogenesis in response to Sertoli Cell Injury is partially regulated by MMP-2. *Biology of Reproduction* 80: 581-589 (Epub 2008 Nov 26). PMCID: PMC2805399
26. Sinkevicius, KW, Laine, L, Lotan, TL, Woloszyn, K, **Richburg, JH** and Greene, GL (2009). Estrogen-dependent and -independent estrogen receptor alpha signaling separately regulate male fertility. *Endocrinology* 150:(6) 2898-2905 (Epub 2009 Mar 5). PMCID: PMC2689797
27. Yao, P-L, Lin Y-C and **Richburg, JH** (2010). Mono-(2-ethylhexyl) phthalate-induced disruption of junctional complexes in the seminiferous epithelium of the rodent testis is mediated by MMP2. *Biology of Reproduction* 82: (3) 516-527 (Epub 2009 Oct 14). PMCID: PMC2825170
28. Lin, Y-C, Yao, P-L and **Richburg, JH** (2010). FasL gene-deficient mice display a limited disruption in spermatogenesis and inhibition of mono-(2-ethylhexyl) phthalate-induced germ cell apoptosis. *Toxicological Sciences* 114:(2) 335-45 (Epub 2010 Jan 25). PMCID: PMC2840219
29. Yao, P-L, Lin, Y-C and **Richburg, JH** (2011). Transcriptional suppression of Sertoli cell *Timp2* in rodents following mono-(2-ethylhexyl) phthalate exposure is regulated by CEBPA and MYC. *Biology of Reproduction*: Published online before print August 10, 2011, doi: 10.1095/biolreprod.111.093484
30. Yao, P-L, Lin, Y-C and **Richburg, JH** (2012). Mono-(2-ethylhexyl) phthalate (MEHP) promotes invasion and migration of testicular embryonal carcinoma cells. *Biology of Reproduction*:submitted 10/26/11.

BOOK CHAPTERS:

1. **Richburg, JH**, Blanchard, KT and Boekelheide, K (1997). "The Sertoli cell as a target for toxicants." In: *Comprehensive Toxicology, Volume 10: Reproductive and Endocrine Toxicology, Section 1C: Mechanisms and Manifestations* (eds. Sipes, IG, McQueen, CA, and Gandolfi, AJ). Elsevier LTD., Oxford, UK. pp. 127-138.
2. Boekelheide, K , Johnson, K, and **Richburg, JH** (2005). "Sertoli Cell Toxicants." In: *Sertoli Cell Biology, Chapter 20* (eds. Skinner, MK and Griswold, MD). Elsevier Academic Press, San Diego, CA. pp.345-382.
3. **Richburg, JH** (2010). Chapter 11.01, "Male reproductive toxicology." In: *Comprehensive Toxicology, Second Edition, Volume 11: Reproductive and Endocrine Toxicology*, (Editor-In-Chief, McQueen, CA). Elsevier LTD., Oxford, UK. pp. 1-4.
4. **Richburg, JH**, and Dwyer, JL (2010). Chapter 11.05, "The Sertoli cell as a target for toxicants." In: *Comprehensive Toxicology, Second Edition, Volume 11: Reproductive and Endocrine Toxicology*, (Editor-In-Chief, McQueen, CA). Elsevier LTD., Oxford, UK. pp. 97-114.

BOOK/VOLUME EDITOR:

1. **Richburg, JH**, and Hoyer, P (volume editors) (2010). *Comprehensive Toxicology, Volume 11: Reproductive and Endocrine Toxicology* (Editor-In-Chief, McQueen, CA). Elsevier LTD., Oxford, UK.

OTHER PUBLICATIONS:

1. 01/01/1998, "Science Park speaker links cell damage to plastic containers." *The Bastrop Advertiser*, p.5.
2. 01/08/1998, "What's in that container?" *Smithville Times*, Environmental Health Outlook section.
3. 10/20/2003, "Testicular cancer affects men in prime." *Austin Business Journal*, <http://austin/stories/2003/10/20/focus2.html> *Friday October 17, 2003*
4. Cobarrubia, JL (**Richburg graduate student**) and Grant, RL (April, 2009). *Methacrolein, Development Support Document (DSD) of the Texas Commission on Environmental Quality* (currently published at the TCEQ web site (http://www.tceq.state.tx.us/implementation/tox/dsd/dsds_about.html) for a 60-day public review and comment period. This was completed during a summer internship while in the Richburg laboratory.

PUBLISHED ABSTRACTS (NATIONAL SOCIETIES):

1. **Richburg, JH**, Halleck, MM and Kauffman, FC (1990). A simple model to identify molecular mechanisms of energy failure induced by oxidative stress. 29th Annual Meeting of the Society of Toxicology (Miami Beach, FL). *Toxicologist* 10: #520.
2. **Richburg, JH** and Kauffman, FC (1991). Attenuation of agonist-induced rises in phosphorylase-a by diisopropyl fluorophosphate. ASBMB Annual Meeting (Boston, MA). *Journal of Cell Biology* 115: (3) pt.2, #94.
3. **Richburg, JH** and Kauffman, FC (1992). Increases of phosphorylase-a in hepatocytes isolated from rats treated chronically with DFP. 31st Annual Meeting of the Society of Toxicology (Seattle, WA). *Toxicologist* 12: #395.
4. **Richburg, JH** and Kauffman, FC (1993). Diisopropyl fluorophosphate (DFP) inhibits agonist-stimulated Ca²⁺-influx in isolated rat hepatocytes. 32nd Annual Meeting of the Society of Toxicology (New Orleans, LA). *Toxicologist* 13: #1625.
5. Hall, ES, Johnson, KJ, **Richburg, JH** and Boekelheide, K (1993). Localization of kinesin in rat seminiferous epithelium. *XIIth North American Testis Workshop (Baltimore, MD)*: Abst. #I-33.
6. **Richburg, JH**, Redenbach, DM and Boekelheide, K (1994). Toxicant-induced alterations in rat seminiferous tubule fluid secretion. 33rd Annual Meeting of the Society of Toxicology (Dallas, TX). *Toxicologist* 14: #263.
7. **Richburg, JH**, Allard, EK and Boekelheide, K (1995). Consequences of acetazolamide-inhibited seminiferous tubule fluid secretion. 34th Annual Meeting of the Society of Toxicology (Baltimore, MD). *Fundamental and Applied Toxicology* 15: (1) #1333.
8. **Richburg, JH**, Allard, EK, Hall, ES, Seth, R and Boekelheide, K (1995). Exposure of young rats to mono-(2-ethylhexyl)phthalate induces a specific and rapid collapse of Sertoli cell vimentin filaments. *XIIIth North American Testis Workshop*: # II-18.
9. **Richburg, JH**, Lee, J and Boekelheide, K (1996). Mono-(2-ethylhexyl) phthalate rapidly alters testicular germ cell apoptosis. 35th Annual Meeting of the Society of Toxicology (Anaheim, CA). *Fundamental and Applied Toxicology* 30: (suppl 1, pt 2) #490.
10. **Richburg, JH** and Boekelheide, K (1997). MEHP-Induced time-dependent alterations in testicular germ cell apoptosis coincide with changes in FAS-mediated signal transduction. *XIVth North American Testis Workshop*: # II-23.
11. **Richburg, JH**, Lee, J and Boekelheide, K (1997). Mono-(2-ethylhexyl) phthalate induces time-dependent alterations in FAS-mediated testicular germ cell apoptosis in young rats. 36th Annual Meeting of the Society of Toxicology (Cincinnati, OH). *Fundamental and Applied Toxicology* 36: (suppl 1 pt 2), #1262.
12. Lee, J **Richburg, JH**, Li, G and Boekelheide, K (1998). Molecular and genetic aspects of toxicant-induced apoptosis in the male germ line. *Toxicology Letters* 95: (suppl 1), p. 25 #W5/L4.
13. **Richburg, JH**, Wurm, KD, Gao, H and Nañez, A (1999). Participation of Sertoli cell-expressed FasL in the initiation of germ cell apoptosis in young rat after exposure to mono-(2-ethylhexyl) phthalate (MEHP). 38th Annual Meeting of the Society of Toxicology (New Orleans, LA). *Toxicological Sciences* 48: (suppl 1), # 427.
14. Giammona, CJ, Nañez, A and **Richburg, JH** (2000). Differential sensitivity of young and adult FasL mutant mice to mono-(2-ethylhexyl) phthalate (MEHP)-induced testicular germ cell apoptosis. 39th Annual Meeting of the Society of Toxicology (Philadelphia, PA). *Toxicological Sciences* 54: (1) #553.

15. **Richburg, JH** and Gao, H (2000). Participation of the p53 protein on the membrane expression of Fas in the GC-2spd (ts) germ cell line. 39th Annual Meeting of the Society of Toxicology (Philadelphia, PA). *Toxicological Sciences* 54: (1) #554.
16. Gao, H and **Richburg, JH** (2000). Mono-(2-ethylhexyl) phthalate (MEHP)-induced germ cell apoptosis precedes its detachment from Sertoli cells. 39th Annual Meeting of the Society of Toxicology (Philadelphia, PA). *Toxicological Sciences* 54: (1) #1709.
17. Giammona, CJ, Chandrasekaran, Y, Nañez, A, Seaman, FC and **Richburg, JH** (2001). Early changes in Fas/FasL, DR4&DR5/TRAIL, and caspase-8 activity indicate both Fas- and Fas-independent signaling in the testes of C57BL/6 and *gld* mice exposed to mono-(2-ethylhexyl) phthalate. 40th Annual Meeting of the Society of Toxicology (San Francisco, CA). *Toxicological Sciences* 60: (suppl 1): #1345.
18. Giammona, CJ, Sawhney, P and **Richburg, JH** (2002). Evidence of mitochondria-associated signaling in testicular germ cell apoptosis in adult C57BL/6(B6) mice and Sprague Dawley rats exposed to mono-(2-ethylhexyl) phthalate (MEHP). 41st Annual Meeting of the Society of Toxicology (Nashville, TN). *Toxicological Sciences* 66: (suppl 1): #597.
19. Nañez, A and **Richburg, JH** (2002). Nitrobenzene-induced testicular germ cell apoptosis in young and adult FasL deficient *gld* mice. 41st Annual Meeting of the Society of Toxicology (Nashville, TN). *Toxicological Sciences* 66: (suppl 1): #1844.
20. Sawhney, P, Giammona, CJ, Seaman, FC and **Richburg, JH** (2002). Correlation of germ cell death and apoptotic signaling in testes of C57 mice exposed to cisplatin. 93rd Annual Meeting of AACR (San Francisco, CA) *Proceedings of the American Association for Cancer Research* 43: #2625.
21. Ye, Y, Giammona, CJ, Sawhney, P and **Richburg, JH** (2003). The expression of TNF-related apoptosis inducing ligand (TRAIL) in rodent Sertoli cells. 42nd Annual Meeting of the Society of Toxicology (Salt Lake City, UT). *Toxicological Sciences* 72 (number S-1): #1733.
22. Sawhney, P, Giammona, CJ, Seaman FC, Ye, Y and **Richburg, JH** (2003). TRAIL and death receptor response in rodent testis after cisplatin exposure. 42nd Annual Meeting of the Society of Toxicology (Salt Lake City, UT). *Toxicological Sciences* 72 (number S-1): #1749.
23. Chandrasekaran, Y, Giammona, CJ and **Richburg, JH** (2003). Evaluation of DR5 membrane localization in the rodent testis using flow cytometric analysis. 42nd Annual Meeting of the Society of Toxicology (Salt Lake City, UT). *Toxicological Sciences* 72 (number S-1): #1732.
24. Sawhney, P, Seamen, FC, Giammona, CJ, Castro, C and **Richburg, JH** (2003). Establishment of a mouse model for assessing the mechanisms of sustained testicular damage after cisplatin exposure. *XXVIIth North American Testis Workshop (Phoenix, AZ)*: Abst. #69.
25. Sawhney, P and **Richburg, JH** (2004). Testicular Sertoli cells survive despite cisplatin-induced injury due to the expression of Inhibitor of Apoptosis proteins that disrupt mitochondrial-mediated apoptotic signaling. *Toxicological Sciences* 78 (Number 1-S) #1949.
26. Chandrasekaran, Y and **Richburg, JH** (2004). The role of p53 in death receptor expression and activity in mouse testis after mono-2-(ethylhexyl) phthalate (MEHP) exposure. *Toxicological Sciences* 78 (Number 1-S 1): #920.
27. Ye, Y and **Richburg, JH** (2004). Functional expression of PPAR gamma in Sertoli cells. *Toxicological Sciences* 78 (Number 1-S 1): #1627.
28. Chandrasekaran, Y and **Richburg, JH** (2004). The p53 protein influences the sensitivity of testicular germ cells to MEHP-induced apoptosis by increasing the membrane levels of Fas and DR5 and decreasing the intracellular amount of c-FLIP. *Mechanisms of Toxicity Gordon Research Conference*, Colby College, Waterville, ME.

29. Ye, Y and **Richburg, JH** (2005). Cisplatin-induced apoptosis of GC1 testicular germ cells may occur by an autocrine mechanism involving FasL/Fas- or TRAIL/DR5-mediated signaling. 44th Annual Meeting of the Society of Toxicology (New Orleans, LA). *Toxicological Sciences* 84 (Number 1-S 1): #2292.
30. Sawhney, P and **Richburg, JH** (2005). The role of copper transporters in cisplatin-induced Sertoli cell injury and failure of spermatogenesis. *XXVIIIth North American Testis Workshop* (Seattle, WA): Abst. #65.
31. **Richburg, JH** and Ye, Y (2006). Characterization of TRAIL-induced testicular germ cell apoptosis. 45th Annual Meeting of the Society of Toxicology (San Diego, CA). *Toxicological Sciences* xx (Number 1-S 1): #2020.
32. McKee, CM and **Richburg, JH** (2006). Activation of p53 in testicular spermatocytes contributes to their sensitivity to undergo FAS-mediated apoptosis. 45th Annual Meeting of the Society of Toxicology (San Diego, CA). *Toxicological Sciences* xx (Number 1-S 1): #2019.
33. McKee, CM and **Richburg, JH** (2007). Regulation of germ cell apoptosis *via* the activity of the Itch E3 ligase. Annual Meeting of ASPET- Experimental Biology (April 28-May 2, Washington, DC): #5228 (728.10).
34. Yao, P, Lin, Y and **Richburg, JH** (2007). Functional regulation of FasL expression and spermatogenesis by sTNF- α in response to Sertoli cell injury. Annual Meeting of the Society for the Study of Reproduction (July 21-July 25, San Antonio, TX): Platform #35.
35. Lin, Y, Yao, P, Cobarubia, J and **Richburg, JH** (2007). The influence of cisplatin on the copper transporters in the testis. Annual Meeting of the Society for the Study of Reproduction (July 21-July 25, San Antonio, TX): #338.
36. Yao, P, Lin, Y, Cobarubia, J and **Richburg, JH** (2008). TNF- α mediated disruption of spermatogenesis in response to Sertoli cell injury is partially regulated by MMP-2. Annual Meeting of the Society of Toxicology (3/2008, Seattle, WA): #348. Molecular Biology specialty section, second place best platform presentation; and SOT Graduate Student Travel Award.
37. Lin, Y, Yao, P and **Richburg, JH** (2009). FasL and TRAIL gene-deficient mice show altered spermatogenesis and differential sensitivity to MEHP-induced germ cell apoptosis. Annual Meeting of the Society of Toxicology (3/2009, Baltimore, MD): #288.
38. Yao, P, Lin, Y and **Richburg, JH** (2010). MEHP-induced disruption of junctional complexes in the seminiferous epithelium of the rodent testis is mediated by MMP-2. Annual Meeting of the Society of Toxicology, March 7-11, 2010; Salt Lake City, Utah.
39. Lin, Y, Yao, P and **Richburg, JH** (2010). Death receptor-regulated testicular germ cell apoptosis in FasL gene-deficient mice after mono-(2-ethylhexyl) phthalate exposure is mediated by CFLAR (c-FLIP). Annual Meeting of the Society of Toxicology, March 7-11, 2010; Salt Lake City, Utah.
40. Yao, P, Lin, Y, and **Richburg, JH** (2010). C/EBP and C-MYC cooperate for the transcriptional suppression of Sertoli cell TIMP-2 in rodents following MEHP exposure. *Journal of Andrology*, Suppl. S, p.75., 35th Annual Meeting of the American Society of Andrology, April 10-13, 2010; Houston, Texas.
41. Harman, J, Cobarrubia, J, and **Richburg, JH** (2010). The implication of stem cell regulation in male infertility following multi-cycle cisplatin treatment. *Journal of Andrology*, Suppl. S, p.75., 35th Annual Meeting of the American Society of Andrology, April 10-13, 2010; Houston, Texas.
42. Yao, P, Lin, Y, and **Richburg, JH** (2011). C/EBP and C-MYC cooperate for the transcriptional suppression of Sertoli cell TIMP-2 in rodents following MEHP exposure. Annual Meeting of the Society of Toxicology, March 6-10, 2011; Washington, DC.

43. Dwyer, J, Lin, Y, Yao, P and **Richburg, JH** (2011). Itch promotes MEHP-induced germ cell apoptosis. Annual Meeting of the Society of Toxicology, March 6-10, 2011; Washington, DC.
44. Lin, Y, Yao, P and **Richburg, JH** (2011). Deciphering the role of FasL in regulating c-FLIP expression in germ cells. Annual Meeting of the Society of Toxicology, March 6-10, 2011; Washington, DC.
45. Harman, J and **Richburg, JH** (2011). Deciphering mechanisms underlying prolonged male infertility following a clinically-relevant multi-cycle cisplatin treatment. Annual Meeting of the Society of Toxicology, March 6-10, 2011; Washington, DC.
46. Dwyer, J, Lin, Y, Yao, P and **Richburg, JH** (2011). ITCH promotes MEHP-induced germ cell apoptosis. Gordon Research Conference: Molecular and Cellular Mechanisms of Toxicity, August 7-12, 2011; Proctor Academy, Andover, NH.
47. Dwyer, J, and **Richburg, JH** (2011). Age-dependent roles of ITCH during mouse testicular development. Annual Meeting of the Society of Toxicology, March 10-14, 2012; San Francisco, CA.
48. Lin, Y, and **Richburg, JH** (2011). FasL regulates testicular germ cell c-FLIP levels through gene expression and ubiquitination. Annual Meeting of the Society of Toxicology, March 10-14, 2012; San Francisco, CA.
49. Harman, J and **Richburg, JH** (2011). Deciphering mechanisms underlying prolonged male infertility following a clinically-relevant multi-cycle cisplatin treatment. Annual Meeting of the Society of Toxicology, March 10-14, 2012; San Francisco, CA.

ABSTRACTS (Local meetings & Regional Chapter meetings of National Societies):

1. Giammona, CJ, Nañez, A and **Richburg, JH** (1999). Differential sensitivity of young and adult FasL mutant *gld* mice to mono-(2-ethylhexyl) phthalate (MEHP)- induced testicular germ cell apoptosis. Gulf Coast Society of Toxicology.
2. Nañez, A and **Richburg, JH** (1999). The role of Fas signaling in testicular germ cell death. Louis Stokes Alliance for Minority Participation Student Research Conference.
3. Nañez, A and **Richburg, JH** (1999). The effect of an environmental toxicant on the communication between two cell types in young mice testes. UT Austin, College of Natural Sciences Undergraduate Research Poster Session.
4. Nañez, A and **Richburg, JH** (2000) Programmed cell death in the testis. Louis Stokes Alliance for Minority Participation Student Research Conference.
5. Giammona, CJ, Chandrasekaran, Y, Nañez, A, Seaman, FC and **Richburg, JH** (2000). Not so Fas: Early changes in Fas/FasL, DR4&DR5/TRAIL protein levels, and caspase-8 activity indicate both Fas and Fas-independent apoptotic signaling in testes of C57BL/6 (B6) and B6.SMNC3H-Fas^{gld/gld} mice exposed to mono-(2-ethylhexyl) phthalate. *Gulf Coast Society of Toxicology* #14.
6. Nañez, A and **Richburg, JH** (2000). The Fas signaling system is critical for initiating germ cell apoptosis early after nitrobenzene-induced Sertoli cell injury in young mouse testes. *Gulf Coast Society of Toxicology*: #15.
7. Nañez, A and **Richburg, JH** (2002). Characterization of cell death after exposure to testicular toxicants. UT Austin, College of Natural Sciences Undergraduate Research Poster Session.
8. Akbani, J and **Richburg, JH** (2002). Characterization of protein signaling in cell death after exposure to a testicular toxicant. UT Austin, College of Natural Sciences Undergraduate Research Poster Session.

9. Ye, Y, Giammona, CJ, Sawhney, P, and **Richburg, JH** (2002). The expression of TNF-related apoptosis inducing ligand (TRAIL) in rodent Sertoli cells. Gulf Coast Chapter of the Society of Toxicology Annual Meeting. Poster Presentation.
10. Ye, Y, and **Richburg, JH** (2003). Functional Expression of PPAR gamma in Sertoli Cells. Gulf Coast Chapter of the Society of Toxicology Annual Meeting. Galveston, Texas. Poster Presentation.
11. Ye, Y and **Richburg, JH** (2005). Cisplatin-induced apoptosis of GC1 testicular germ cells may occur by an autocrine mechanism involving FasL/Fas- or TRAIL/DR5-mediated signaling. Annual Meeting of the Gulf Coast Regional Chapter of the Society of Toxicology (Houston, TX).
12. McKee, CM and **Richburg, JH** (2006). Activation of p53 in testicular spermatocytes contributes to their sensitivity to undergo FAS-mediated apoptosis. Annual Meeting of the Gulf Coast regional Chapter of the Society of Toxicology (Austin, TX): #9.
13. McKee, CM and **Richburg, JH** (2006). Testicular germ cell sensitivity to TRAIL-induced apoptosis is dependent upon p53 expression and is synergistically enhanced by DR5 agonistic antibody treatment. Annual Meeting of the Gulf Coast regional Chapter of the Society of Toxicology (Baylor University, Waco, TX). Platform presentation. (1st place award).
14. Yao, P, Lin, Y and **Richburg, JH** (2006). Transcriptional regulation of FasL expression and participation of sTNF- α in response to Sertoli cell injury. Annual Meeting of the Gulf Coast regional Chapter of the Society of Toxicology (Baylor University, Waco, TX): #10. (1st place award).
15. Lin, Y, Yao, P, Cobarrubia, J and **Richburg, JH** (2006). The effect of cisplatin on the copper transporters and spermatogenesis in the testis. Annual Meeting of the Gulf Coast regional Chapter of the Society of Toxicology (Baylor University, Waco, TX): #8. Poster presentation (3rd place award).
16. Lin, Y, Yao, P, Cobarrubia, J, and **Richburg, JH** (2007). Characterization of the testicular phenotype in FasL and TRAIL gene deficient mice. Annual Meeting of the Gulf Coast regional Chapter of the Society of Toxicology (Texas A & M University, College Station Texas).
17. Yao, P, Lin, Y, Cobarrubia, J and **Richburg, JH** (2007). TNF-alpha mediated disruption of spermatogenesis in response to Sertoli cell injury is partially regulated by MMP-2. Annual Meeting of the Gulf Coast regional Chapter of the Society of Toxicology (Texas A & M University, College Station Texas): Platform presentation (1st place award).
18. Do, L, Cobarrubia, J and **Richburg, JH** (2009). Preserving the fertility of male chemotherapy patients: the importance of p53, ITCH and c-FLIP interaction during cisplatin-induced apoptosis. College of Natural Sciences Undergraduate Research Forum. April 17, 2009.
19. Yao, P, Lin, Y and **Richburg, JH** (2009). MEHP-induced disruption of junctional complexes in the seminiferous epithelium of the rodent testis is mediated by MMP-2. Annual Meeting of the Gulf Coast Regional Chapter of the Society of Toxicology, November 12-13, 2009; Austin, Texas.
20. Lin, Y, Yao, P and **Richburg, JH** (2009). Death receptor-regulated testicular germ cell apoptosis in FasL gene-deficient mice after mono-(2-ethylhexyl) phthalate exposure is mediated by CFLAR (c-FLIP). Annual Meeting of the Gulf Coast Regional Chapter of the Society of Toxicology, November 12-13, 2009; Austin, Texas.
21. Dwyer, J, Lin, Y, Yao, P and **Richburg, JH** (2010). Itch promotes MEHP-induced germ cell apoptosis. Annual Meeting of the Gulf Coast Regional Chapter of the Society of Toxicology, October 14-15, 2010; Houston, Texas.
22. Yao, P, Lin, Y, and **Richburg, JH** (2010). C/EBP and C-MYC cooperate for the transcriptional suppression of Sertoli cell TIMP-2 in rodents following MEHP exposure. Annual Meeting of the Gulf Coast Regional Chapter of the Society of Toxicology, October 14-15, 2010; Houston, Texas.

23. Lin, Y, Yao, P and **Richburg, JH** (2011). Deciphering the role of FasL in regulating c-FLIP expression in germ cells. Annual Meeting of the Gulf Coast Regional Chapter of the Society of Toxicology, October 14-15, 2010; Houston, Texas.
24. Harman, J and **Richburg, JH** (2011). Deciphering mechanisms underlying prolonged male infertility following a clinically-relevant multi-cycle cisplatin treatment. Annual Meeting of the Gulf Coast Regional Chapter of the Society of Toxicology, October 14-15, 2010; Houston, Texas.
25. Perfect, C and **Richburg, JH** (2011). The role of ITCH during apoptosis in testicular cells. R25 & COEP Summer Student Symposium, August 12, 2011; Center for Research on Environmental Disease, The University of Texas M. D. Anderson Cancer Center, Science Park - Research Division, Smithville, TX.
26. Lin, Y, and **Richburg, JH** (2011). FasL regulates testicular germ cell c-FLIP levels through gene expression and ubiquitination. Annual Meeting of the Lone Star Regional Chapter of the Society of Toxicology, October 27-29, 2011; New Orleans, LA.