

DANIEL M. HARDY, PH.D.

ADDRESS & PHONE

Department of Cell Biology & Biochemistry
Texas Tech University Health Sciences Center
3601 Fourth Street, Lubbock, TX 79430-6540
(806) 743-2053 (office phone); (806) 743-4139 (lab phone); (806) 743-2990 (fax)

WORD WIDE WEB & E-MAIL

<http://www.ttuhsc.edu/medicine/cell>

POSITIONS HELD (continued)

- 1989-1990 Associate (D.L. Garbers, advisor)
Howard Hughes Medical Institute
Vanderbilt University Medical Center, Nashville, TN
- 1987-1989 NRSA Postdoctoral Fellow (J.L. Hedrick, advisor)
Department of Biochemistry and Biophysics
University of California, Davis.
- 1986-1987 Postdoctoral Trainee, Reproductive Biology
Department of Biochemistry and Biophysics
University of California, Davis.
- 1982-1986 Teaching Assistant
Department of Biochemistry
University of New Mexico School of Medicine, Albuquerque.

ACADEMIC APPOINTMENTS

- 2015-present Graduate Faculty, Graduate School of Biomedical Sciences
Biomedical Sciences Program
Biochemistry, Cellular & Molecular Biology Concentration ()
Texas Tech University Health Sciences Center
- 2003-present Graduate Faculty, Graduate School of Biomedical Sciences
Biotechnology Program ()
Texas Tech University Health Sciences Center
- 1995-2015 Graduate Faculty, Graduate School of Biomedical Sciences
Biomedical Sciences Program
Biochemistry & Molecular Genetics Concentration ()
Texas Tech University Health Sciences Center
- 1995-2015 Graduate Faculty, Graduate School of Biomedical Sciences
Biomedical Sciences Program
Cell & Molecular Biology Concentration ()

PROFESSIONAL DEVELOPMENT

- 2015-18 Faculty Development Course on Medical Education: "Medical Education Journal and Interest Club (MAJIC)". SoM Teaching Academy and DoME.
- 2012 Basic Mediation Training, Aug. 13 – Nov. 8 (50+ hours of instruction). TTU Law School and Training Institute Division of the Texas Dispute Resolution System.
- 2010 Faculty Development Course on Medical Education, Sept. 2 – Dec. 2. TTUHSC.
- 2008-9 Faculty Leadership Development Course, Sept. 5 – May 5. TTUHSC

RESEARCH FUNDING

National Institute of Justice

Hardy DM, Principal Investigator, 20% effort
\$391,000 Total request

Laura W. Bush Institute for Women's Health

Hardy DM, Principal Investigator, 20% effort
\$10,000 Total award
06/01/16-12/31/17

The CH Foundation

Hardy DM, Principal Investigator, 20% effort
\$65,000 Total request
Not funded

South Plains Foundation

Hardy DM, Principal Investigator, 10% effort
\$14,900 Total award
09/01/14-08/31/15

R01 HD080631-01, National Institutes of Health/NICHHD/USDA

Hardy DM, Principal Investigator, 30% effort
\$911,355 Total request
Scored but not funded

RESEARCH FUNDING (continued)

RESEARCH FUNDING (continued)

2 T32 HD07271-16, National Institutes of Health/NICHD
Stocco DM, Principal Investigator
Hardy DM, Participating Faculty
05/01/99-04/30/04

R29 HD35166-05, National Institutes of Health/NICHD
Hardy DM, Principal Investigator, 50% effort
\$525,000 Total award
01/01/98-12/31/03

R0(01/) -23(03)] TJ ET Q q 0.24 0 0 0.24 12 589.92 cn

Orthopedic Research and Education Foundation
Slauterbeck JR, Principal Investigator; **Hardy DM**, Co

RESEARCH FUNDING (continued)

1 F32 HD-07088 CLN-3, National Institutes of Health/NICHD
Individual National Research Service Award

Hardy DM

PUBLICATIONS (continued)

Olson GE, Winfrey VP, Bi M, **Hardy DM**, NagDas SK (2004) Zonadhesin assembly into the hamster sperm acrosomal matrix occurs by distinct targeting strategies during spermiogenesis and epididymal maturation. 71, 1128-1134. PMID 15175237

Bi M, Winfrey VP, Olson GE, **Hardy DM** (2003) Processing, localization, and binding activity of zonadhesin suggest a function in sperm adhesion to the zona pellucida during exocytosis of the acrosome. 375, 477-488. PMID 12882646

Cornwall GA, Cameron A, Lindberg I, **Hardy DM**, Hsia N (2003) The cystatin-related epididymal spermatogenic protein inhibits the serine protease prohormone convertase 2. 144, 901-908. PMID 12586766

Slauterbeck JR, Fuzie S, Smith MP, Clark RJ, Xu KT, **Hardy DM** (2002) The menstrual cycle, sex hormones, and anterior cruciate ligament injury. 37, 275-280. PMID 12937585

Wassler MJ, Syntin P, Sutton-Walsh HG, Hsia N, **Hardy DM**, Cornwall GA (2002) Identification and characterization of cystatin-related epididymal spermatogenic protein in human spermatozoa: localization in the equatorial segment. 67, 795-803. PMID 12193387

Crider-Pirkle S, Billingsley P, Faust C, **Hardy DM**, Lee V, Weitlauf HM (2002). Cubilin: A binding partner for galectin-3 in the murine utero-placental complex. 277, 15904-15912. PMID 11856751

Bi M, Wassler MJ, **Hardy DM** (2002). Chapter 5: Sperm adhesion to the extracellular matrix of the oocyte. In: (**Hardy DM**, ed) pp. 153-180. Academic Press, San Diego

Breazeale KR, Brady HB, Bi M, Uppuluri S, Thompson LD, Bruemmer JE, **Hardy DM** (2002) Biochemical properties and localization of zonadhesin in equine spermatozoa. 58, 359-362

Slauterbeck JR, **Hardy DM** (2001) Sex hormones and knee ligament injuries in females.

PUBLICATIONS (continued)

Haden NP, Hickox JR, Whisnant CS, **Hardy DM** (2000) Systematic characterization of sperm-

PUBLICATIONS (continued)

Hardy DM, Huang TTF Jr, Driscoll WJ, Tung KSK, Wild GC (1988) Purification and characterization of the primary acrosomal autoantigen of guinea pig epididymal spermatozoa. 38, 423-437. PMID 32825555

Hardy DM, Wild GC, Tung KSK (1987) Purification and initial characterization of proacrosins from guinea pig testes and epididymal spermatozoa. 37, 189-199. PMID 3115322

Huang TTF Jr, **Hardy D**, Yanagimachi H, Teuscher C, Tung KSK, Wild G, Yanagimachi R (1985) pH and protease control of acrosomal content stasis and release during the guinea pig sperm acrosome reaction. 32, 451-462. PMID 3886029

MANUSCRIPTS IN PREPARATION

Roberts EK, Wright EA, **Hardy DM**, Bradley RD. Gamete recognition gene tree yields a robust Eutherian phylogeny across taxonomic levels.

Roberts EK, Cheung TL, Wright EA, **Hardy DM**, Bradley RD. domain duplication and divergence reflect unique evolution of a putative speciation gene in myomorph rodents.

Cheung TL, Tardif S, Wassler MJ, Wilson MD, Cornwall GA, Koop BF, **Hardy DM**. Human zonadhesin binds the ZPB component of the human zona pellucida and is encoded by

BOOKS

(**Hardy DM**, ed.) 427 pp., Academic Press, San Diego, 2002

PATENTS

U.S. Patent no. 5,851,817. Issued December 22, 1998
Daniel M. Hardy, Ph.D. & David L. Garbers, Ph.D., Inventors

NEWS PIECES

" " Healthwise, KCBD News Channel 11. Interview with Karin McCay, October 19, 2013.

" " By Dr. Daniel M. Hardy, Ph.D. San Angelo TX Standard-Times. June 23, 2013.

" " By Karin McCay. KCBD News Channel 11, Lubbock, TX. Sept. 17, 2012.

ABSTRACTS (since 2000)

Roberts EK, Cheung TL, Wright EA, Bradley RD, **Hardy DM** (2020). domain duplication and divergence reflect unique evolution of a putative speciation gene in myomorph rodents. 19th Annual TTU Graduate Student Research Competition. March 11, Lubbock, TX.

Roberts EK, Cheung TL, Wright EA, Bradley RD, **Hardy DM** (2020). domain duplication and divergence reflect unique evolution of a putative speciation gene in myomorph rodents. 32nd Annual TTUHSC Student Research Week. March 10-12, Lubbock, TX

Roberts EK*, **Hardy DM**, Platt II RN, Phillips CD, Bradley RD (2019) Zonadhesin ontogeny reveals a unique reproductive contribution to divergence of Eutheria. 18th Annual TTU Graduate Student Research Competition. March 26, Lubbock, TX. (*)

Roberts EK, **Hardy DM**, Platt II RN, Phillips CD, Bradley RD (2019) Zonadhesin ontogeny reveals a unique reproductive contribution to divergence of Eutheria. 31st Annual TTUHSC Student Research Week. March 19-22, Lubbock, TX.

Jaeger NR, Tung K, **Hardy DM**, O'Malley DP, Cheng L, Aguilera NS (2019) Anti-zonadhesin reactivity in normal splenic sinus lining cells and littoral cell angiomas. 108th Annual Meeting of the United States & Canadian Academy of Pathology. March 16-21, National Harbor, MD.

Roberts EK, **Hardy DM**, Bradley RD (2019) Detecting sites and identifying lineages subject to episodic and diversifying selection in reproductive (zonadhesin) and hearing (alpha-tectorin) proteins. 37th Annual meeting of the Texas Society of Mammalogists. February 8-10, Junction, TX.

ABSTRACTS (since 2000; continued)

Roberts EK, **Hardy DM**, Bradley RD (2018) Alternative mRNA splicing of a gamete recognition gene, zonadhesin, may promote a new functional adaptation in mammalian reproduction. 98th Annual Meeting of the American Society of Mammalogists. June 25-

ABSTRACTS (since 2000; continued)

Roberts EK, **Hardy DM**, Bradley RD (2014) Is zonadhesin (Zan) a useful molecular marker for determining phylogenetic relationships among mammalian orders? 5th Texas Tech Annual Biological Sciences Symposium. March 28-29, Lubbock, TX.

Tung KSK, Harakal J, Qiao H, Rival C, Li J, Pramoonjago P, Grafer C, Paul A, Sun W, Reddi PP, Deshmukh U, Xia W, Cheng CY **Hardy DM**, Tang H, Goldberg E (2013) Regulatory T cell-dependent tolerance to non-sequestered male meiotic germ cell antigens. XXII North American Testis Workshop: "The Foundations of Male Fertility." April 10-13, San Antonio, TX.

Roberts EK*, Muthusubramanian A, **Hardy DM**, Bradley RD (2013) The utility of zonadhesin (Zan) in examining a potential isolation mechanism in rodent/Lautilidad de zonadhesin (Zan) en el analisis del mecanismo de aislamiento de roedores. 60th Annual Meeting of the Southwestern Association of Naturalists. April 4-7, McNeese State University, Lake Charles, LA. (*
)

Roberts EK, **Hardy DM**, Bradley RD (2013) The utility of zonadhesin in examining a potential isolation mechanism in three pairs of rodent species. Meeting of the Texas Academy of Science. March 1-2, Shreiner University, Kerrville, TX

ABSTRACTS (since 2000; continued)

Wheeler K, Luu B, Tardif S, Rival C, Qiao H, Bui E, **Hardy D**, Tung K (2010) Natural regulatory T cells (Treg) determine post vasectomy sequelae: autoimmune orchitis (EAO) versus testis-specific tolerance. 184, Suppl 1, 83.3. Immunology 2010, Annual Meeting of the American Association of Immunologists.

ABSTRACTS (since 2000; continued)

Slauterbeck JR, Pankratz K, Xu KT, Bozeman SC, **Hardy DM** (2004). Canine ovariohysterectomy and orchiectomy increases prevalence of ACL injury. Proceedings of the 50th Annual Meeting of the Orthopaedic Research Society. March 7-10, 2004. San Francisco, CA

Slauterbeck JR, Hickox JR, Xu KT, **Hardy DM** (2004). Expression of remodeling genes in human anterior cruciate ligament varies by gender. Proceedings of the 50th Annual Meeting of the Orthopaedic Research Society. March 7-10, San Francisco, CA

Cowden C, Chandrashekar N, Hashemi J, Lee VH, **Hardy DM**, Slauterbeck JR (2004) Effect of estrogen on the mechanical properties of prepubertal rabbit ACL. American Society of Mechanical Engineers 2004 International Congress and Exp(10 (pr) -7 (ope) 2 Tf [(e) TjET Q q 0.275 -96 4q1An -2 (e) 24 (r) - 2

INVITED LECTURES (continued)

Session B: ACL injury paradigm: ACL biology and its relationship to injury and prevention. World Congress on Sports Injury Prevention. June 26-28, 2008. Tromsø, Norway

Session IV: Sperm-Oocyte Extracellular Matrix Interactions. Gordon Research Conferences on Fertilization and Activation of Development. July 15-20, 2007. Holderness NH

Research Seminar, April 10, 2006. Nike Research Division, Nike Inc., Beaverton OR

Grand Rounds, February 17, 2006. Department of Orthopaedic Surgery
Texas Tech University Health Sciences Center, Lubbock TX

Grand Rounds, September 22, 2005. Department of Orthopaedics and Rehabilitation
University of Vermont School of Medicine, Burlington VT

Session V: Molecular Aspects of Sperm-Egg Interaction. Gordon Research Conferences on Fertilization and Activation of Development. July 17-22, 2005. Holderness NH

Research Seminar Series. April 16, 2004. Department of Animal Sciences and College of Veterinary Medicine, Texas A&M University, College Station TX

”

Keynote Address. Réunion Hiverale en Biologie de la Reproduction du Québec
March 9-12, 2003. Forêt Montmorency, Québec, Canada

”

Keynote Address. Reproductive Biology Colloquium. September 23, 2003. University of California, Davis CA

Biochemistry & Molecular Biology Seminar Series. November 12, 2003
University of Arkansas for Medical Sciences, Little Rock AR

Biology Seminar Series, October 2000. University of California, Riverside CA

Third International Symposium on the Molecular & Cell Biology of Egg- & Embryo-ECM
August 27-September 1, 2000. Granlibakken Conference Center, Lake Tahoe CA

INVITED LECTURES (continued)

Session I: Sperm-Zona Pellucida Interactions. Gordon Research Conferences on Fertilization and Activation of Development. July 25-30, 1999. Holderness NH

Second International Symposium on the Molecular & Cell Biology of Egg- & Embryo-Coats
October 12-17, 1997. Hokkaido University Conference Center, Sapporo, Japan

Minisymposium on Sperm/Egg Interaction. Combined 69th Congress of the Japanese Biochemistry Society and 19th Annual Meeting of the Japanese Society for Molecular Biology.
August 26-30, 1996. Sapporo, Japan

Reproductive Biology Seminar Series, 1996. University of California, Davis CA

Session II: Gamete Recognition Molecules. Gordon Research Conferences on Fertilization and Activation of Development. July 31-August 4, 1995. Holderness NH

Physiology Seminar Series, 1995
University of Kentucky School of Medicine, Lexington KY

Cell Biology & Neuroscience Seminar, 1995
University of Texas Southwestern Medical Center, Dallas TX

Biochemistry Seminar Series, 1995
University of Tennessee School of Medicine, Memphis TN

Session V. Activation Signaling in Gametes I. Gordon Research Conferences on Fertilization and Activation of Development. August 5-9, 1991. Holderness NH

Reproductive Biology Seminar Series, 1989. Center for Reproductive Biology Research
Vanderbilt University School of Medicine, Nashville, TN

Reproductive Biology Seminar Series, 1986
University of California, Davis, CA

PROFESSIONAL & ADMINISTRATIVE ACTIVITIES, HONORS, & AWARDS

2020

Co-Leader, MAJIC Medical Education/Assessment Journal and Interest Club
Vice Chair (elected) of the Faculty Council Executive Committee, TTUHSC School of Medicine

2019

Co-Leader, MAJIC Medical Education/Assessment Journal and Interest Club
Vice Chair (elected) of the Faculty Council Executive Committee, TTUHSC School of Medicine

2018

Co-Leader, MAJIC Medical Education/Assessment Journal and Interest Club
Student Government Association Outstanding Faculty, Biomedical Sciences

2017

President, School of Medicine Teaching Academy
Co-Leader, MAJIC Medical Education/Assessment Journal and Interest Club
Unsung Hero Award, School of Medicine

2016

President, School of Medicine Teaching Academy
Co-Leader, MAJIC Medical Education/Assessment Journal and Interest Club

2015

President, School of Medicine Teaching Academy
Student Government Association Outstanding Faculty, Biomedical Sciences
Co-Leader, MAJIC Medical Education/Assessment Journal and Interest Club

2014

President, TTUHSC Faculty Senate
President, School of Medicine Teaching Academy

2013

President, TTUHSC Faculty Senate
President-Elect, School of Medicine Teaching Academy
Unsung Hero Award, School of Medicine
Graduate Program External Reviewer, University of South Florida (Biotechnology Program)
Plenary Session Speaker, Gender Specific Medicine & Women's Health Symposium, TTUHSC
Chair (elected) of the Faculty Council Executive Committee, TTUHSC School of Medicine
Chair (elected) of the Graduate Faculty, TTUHSC Graduate School of Biomedical Sciences

2012

Chair (elected) of the Faculty Council Executive Committee, TTUHSC School of Medicine
Chair (elected) of the Graduate Faculty, TTUHSC Graduate School of Biomedical Sciences
President-Elect, TTUHSC Faculty Senate
Member, School of Medicine Teaching Academy

2011

Wheeler, Tardif et al. 2011, rated top 2% publication by Faculty of 1000.
Core Curriculum Student Advocate and Teacher of the Year, Graduate School of Biomedical Sciences
Chair (elected) of the Graduate Faculty, TTUHSC Graduate School of Biomedical Sciences
Vice Chair (elected) of the Faculty Council Executive Committee, TTUHSC School of Medicine
Founding Co-Director, TTUHSC/TTU Master's Degree in Biotechnology
Member, School of Medicine Teaching Academy

PROFESSIONAL & ADMINISTRATIVE ACTIVITIES, HONORS, & AWARDS (continued)

2001

Editor, “ ”, Academic Press, San Diego
Founding Co-Director, TTUHSC/TTU Master’s Degree in Biotechnology
Founding Director, TTUHSC Summer Accelerated Biomedical Research Program
Participating Faculty, NIH Reproductive Biology Training Grant

2000

Editor, “ ”, Academic Press, San Diego
Founding Co-Director, TTUHSC/TTU Master’s Degree in Biotechnology
Founding Director, TTUHSC Summer Accelerated Biomedical Research Program
Participating Faculty, NIH Reproductive Biology Training Grant
Co-Chair, Session entitled “Structure of the Zona Pellucida.” Third International Symposium on the
Molecular & Cell Biology of Egg- & Embryo-Extracellular Matrix, Aug. 27-Sept. 1. Lake
Tahoe, CA

1999

Editor, “ ”, Academic Press, San Diego
Founding Co-Director, TTUHSC/TTU Master’s Degree in Biotechnology
Founding Director, TTUHSC Summer Accelerated Biomedical Research Program

PROFESSIONAL & ADMINISTRATIVE ACTIVITIES, HONORS, & AWARDS (continued)

1994

Member, Enhancing Reproductive Efficiency Grant Review Panel, USDA National Research Initiative Competitive Grants Program

1989

NIH National Research Service Award Postdoctoral Fellowship, University of California, Davis

1988

NIH National Research Service Award Postdoctoral Fellowship, University of California, Davis

1987

Chair, Cell Biology Session.

PUBLIC DATABASE ENTRIES

HM070406	zonadhesin	mRNA, partial cds
HM064497	zonadhesin	mRNA, partial cds
AF332980	zonadhesin variant 6 ()	mRNA, complete cds
AF332979	zonadhesin variant 5 ()	mRNA, complete cds
AF332978	zonadhesin variant 4 ()	mRNA, complete cds
AF332977	zonadhesin variant 3 ()	mRNA, complete cds
AF332976	zonadhesin variant 2 ()	mRNA, complete cds
AF332975	zonadhesin variant 1 ()	mRNA, complete cds
AY046056	zonadhesin ()	gene, complete cds
AY046055		

TEACHING

TEACHING (continued)

Texas Tech University Health Sciences Center

2017/2018 (continued)

GBMG 6333 Advanced Protein Biochemistry (graduate curriculum)

GCMB6320 Advanced Cell Biology (graduate curriculum)

GSBS5101 Responsible Conduct of Research

2016/2017

GSBS 5471 Biomedical Sciences Core I: Molecules-General Biochemistry (graduate curriculum)

MSCI 5102 Biology of Cells & Tissues (medical curriculum)

GSBS 5373 Biomedical Sciences Core III: Genes (graduate curriculum)

P3-

TEACHING (continued)

Texas Tech University Health Sciences Center

2014/2015 (continued)

P3-2 Patients, Physicians, & Populations, MSII (medical curriculum)

GBMG 6333 Advanced Protein Biochemistry (graduate curriculum)

GCMB6320 Advanced Cell Biology (graduate curriculum)

2013/2014

GSBS 5471 Biomedical Sciences Core I: Molecules-General Biochemistry (graduate curriculum)

GSBS 5373 Biomedical Sciences Core III: Genes (graduate curriculum)

P3-1 Patients, Physicians, & Populations, MSI (medical curriculum)

ECEII Early Clinical Experience II (medical curriculum)

GBMG 6333 Advanced Protein Biochemistry (graduate curriculum)

GCMB6320 Advanced Cell Biology (graduate curriculum)

2012/2013

GSBS 5471 Biomedical Sciences Core I: Molecules-General Biochemistry (graduate curriculum)

GSBS 5373 Biomedical Sciences Core III: Genes (graduate curriculum)

ECEII Early Clinical Experience II (medical curriculum)

GBMG 6333 Advanced Protein Biochemistry (graduate curriculum)

GCMB6320 Advanced Cell Biology (graduate curriculum)

TEACHING (continued)

Texas Te

TEACHING (continued)

Texas Tech University Health Sciences Center

2004/2005

Biomedical Track, Biotechnology Master's Degree (graduate curriculum)

GBTC/BTEC 6301 Introduction to Biotechnology (graduate curriculum)

GBTC/BTEC 6101 Biotechnology Seminar (graduate curriculum)

TEACHING (continued)

Texas Tech University Health Sciences Center

2002/2003

Biomedical Track, Biotechnology Master's Degree (graduate curriculum)

GBTC/BTEC 6301 Introduction to Biotechnology (graduate curriculum)

GBTC/BTEC 6101 Biotechnology Seminar (graduate curriculum)

GBTC 7000 Biotechnology Research (graduate curriculum)

GBTC 6001 Biotechnology Internship (graduate curriculum)

GBCH 6533 Molecular Biology of Eukaryotes: Proteins (graduate curriculum)

GBCH 6222 Biochemistry Problem Solving (graduate curriculum)

GANM 5306 Mechanisms of Cellular Differentiation (graduate curriculum)

GBCH 6441 Cell Signaling (graduate curriculum)

BINF 5301 Biological Informatics (graduate curriculum)

2001/2002

Biomedical Track, Biotechnology Master's Degree (graduate curriculum)

TEACHING (continued)

TEACHING (continued)

Texas Tech University Health Sciences Center

1997/98

GANM 5309 Biology of Reproduction (graduate curriculum)

POSTDOCTORAL FELLOWS

Steve Tardif, Ph.D.

2001

M.S. STUDENTS (continued)

Geoffrey D. Fisher TTU Mechanical Engineering Program (co-advisor with Dr. Javad Hashemi) Thesis title:	2007-2009
Elizabeth (Schweizer) White TTUHSC Biotechnology M.S. Program, Biomedical Track, non-thesis	2005-2009
Sara Howard TTU Animal Sciences M.S. program (co-advisor with Dr. Heidi Brady), non-thesis	2007-2008
Faye Elizabeth (Beth) Eager TTU Animal Sciences M.S. program (co-advisor with Dr. Heidi Brady) Thesis title:	2002-2005
L. Blair Bailey TTU Animal Sciences M.S. program (co-advisor with Dr. Heidi Brady), non-thesis	2005-2007
Amma S. Akrofi TTUHSC Biotechnology M.S. program, Biomedical Track, non-thesis	2005-2006
Brandon C. Burriss TTUHSC Biotechnology M.S. program, Biomedical Track, non-thesis	2002-2003
Kelly Rebecca Breazeale TTU Animal Sciences M.S. program (co-advisor with Dr. Heidi Brady) Thesis title:	2001-2002
John R. Hickox TTUHSC Biotechnology M.S. program, Biomedical Track, non-thesis	2001-2002
Nancy (Prudhomme) Haden TTU Animal Sciences M.S. program (co-advisor with Dr. Scott Whisnant)	1996-1997

UNDERGRADUATE AND OTHER STUDENTS (continued)

John Bradley, TTUHSC SABR Intern	2002
Joshua Carnes, TTUHSC SABR Intern, and TTU/HHMI Undergraduate Research Fellow	2000-2003
Sharron Shepherd, TTU/HHMI Undergraduate Research Fellow	1999-2001
Thomas Butler, TTUHSC SABR Intern	2001
Angela Lynn, TTU/HHMI Undergraduate Research Fellow	1999-2000
Sara Hayes, TTU/HHMI Undergraduate Research Fellow	2000
Trevor Kerr, TTU Clark Scholar	2000
Ramyar Gilani, TTUHSC Medical Student	1999
Tyler Handcock,	

DOCTORAL DISSERTATION COMMITTEES (continued)

Bala Meenakshi Xavier
TTUHSC Biochemistry & Molecular Genetics Concentration
Major Advisor: Dr. Ina Urbatsch
Dissertation title:

2013-2017

DOCTORAL DISSERTATION COMMITTEES (continued)

Doug Swartz 2006-2012
TTUHSC Biochemistry & Molecular Genetics Concentration
Major Advisor: Dr. Ina L. Urbatsch
Dissertation title:

Jianping Bai 2006

DOCTORAL DISSERTATION COMMITTEES (continued)

Brinda Dass 1997-2001
TTUHSC Cell Biology & Anatomy Program
Major Advisor: Dr. Clinton C. MacDonald
Dissertation title:

Lance Patrick Walsh 1997-2001
TTUHSC Medical Biochemistry Program
Major Advisor: Dr. Douglas M. Stocco
Dissertation title:

Heather Gayle Sutton-Walsh 1996-2001
TTUHSC Medical Biochemistry Program
Major Advisor: Dr. Gail A. Cornwall
Dissertation title:

Yang (Dennis) Du 1996-2000
TTUHSC Medical Biochemistry Program
Major Advisor: Dr. Simon C. Williams
Dissertation title:

Darrel Wayne Eubank 1997-2000
TTUHSC Medical Biochemistry Program
Major Advisors: Dr. Elmus G. Beale and Dr. Simon C. Williams
Dissertation title:

Steven Robert King 1997-1998
TTUHSC Medical Biochemistry Program
Major Advisor: Dr. Douglas M. Stocco
Dissertation title:

MASTER'S THESIS/ADVISORY COMMITTEES

Oscar Sias-Garcia 2016-2017
TTUHSC Biotechnology Program
Drs. Carla Lacerda and Ted Reid, Major Advisors
Project title:

Isaac Scott 2016-2017
TTUHSC Biotechnology Program
Dr. R. Bryan Sutton, Major Advisor
Project title:

MASTER'S THESIS/ADVISORY COMMITTEES (continued)

Ross Wilson 2006-2007
TTU Mechanical Engineering Program
Dr. Javad Hashemi, Major Advisor
Thesis title:

Melinda K. Lackey 2000-2003
TTUHSC Microbiology & Immunology Program
Dr. Joe A. Fralick, Major Advisor
Thesis title:

William Lee Boston 2000-2002
TTUHSC Medical Biochemistry Program
Dr. Elmus G. Beale, Major Advisor
Thesis title:

INSTITUTIONAL COMMITTEES & SERVICE

2020

TTUHSC Embryonic Stem Cell Research Oversight Committee
School of Medicine Grievance Committee (Chair)
School of Medicine Student Promotions and Professional Conduct Committee (Vice Chair)
School of Medicine Faculty Council Executive Committee (Vice Chair)
School of Medicine Curriculum and Educational Policy Committee
School of Medicine Faculty Council Executive Subcommittee on Mentoring (Chair)
School of Medicine Teaching Academy Committee on Peer Evaluation (Chair)
GSBS Core Curriculum Coordination Committee
GSBS MD/PhD Admissions Committee

2019

TTUHSC Embryonic Stem Cell Research Oversight Committee
School of Medicine Grievance Committee (Chair)
School of Medicine Student Promotions and Professional Conduct Committee (Vice Chair)
School of Medicine Faculty Council Executive Committee (Vice Chair)
School of Medicine

INSTITUTIONAL COMMITTEES & SERVICE (continued)

2017

TTUHSC Conflict of Interest in Research Committee (Chair)

TTUHSC Radiation Safety Committee (Chair)

TTUHSC Recombinant DNA Biosafety Committee (Chair)

TTUHSC Embryonic Stem Cell Research Oversight Committee

School of Medicine Grievance Committee (Chair)

School of Medicine Post-Tenure Review Committee ()

School of Medicine Educational Policy Committee

GSBS Internal Review Committee, Pharmaceutical Sciences

INSTITUTIONAL COMMITTEES & SERVICE (continued)

2014

TTUHSC Conflict of Interest in Research Committee (Chair)

TTUHSC Radiation Safety Committee (Chair)

TTUHSC Faculty Senate (elected)

School of Medicine Faculty Council Executive Committee (elected)

School of Medicine Grievance Committee

GSBS Core Curriculum Coordination Committee

GSBS Internal Review Committee, Biotechnology Program 5 Year Review

GSBS Biotechnology Program Committee

2013

TTUHSC Conflict of Interest in Research Committee (Chair)

TTUHSC Radiation Safety Committee

TTUHSC Faculty Senate (elected)

TTUHSC Preliminary Data/Seed Grant Review Committee

INSTITUTIONAL COMMITTEES & SERVICE (contin

INSTITUTIONAL COMMITTEES & SERVICE (continued)

2004

TTUHSC Conflict of Interest Committee

School of Medicine Advisory Committee on Gene Expression Research & Bioinformatics

GSBS Student Recruitment Committee

GSBS Graduate Council Representative, Biotechnology Program

2003

TTUHSC Conflict of Interest Committee

School of Medicine Advisory Committee on Gene Expression Research & Bioinformatics

GSBS Student Recruitment Committee

GSBS Graduate Council Representative, Biotechnology Program

2002

TTU/TTUHSC Subcommittee on Homeland Security Degree Programs

TTUHSC Conflict of Interest Committee

School of Medicine Advisory Committee on Gene Expression Research & BioinformaticSC

DEPARTMENTAL SERVICE (continued)

2008

Executive Committee

Equipment Committee

Graduate Studies Committee

Biochemistry & Molecular Genetics Graduate Program Committee

2007

Executive Committee

Equipment Committee

Graduate Studies Committee

Biochemistry & Molecular Genetics Graduate Program Committee

2006

Executive Committee

Equipment Committee

Graduate Studies Committee

Biochemistry & Molecular Genetics Graduate Program Committee

2005

Executive Committee

Equipment Committee

Graduate Studies Committee

Medical Biochemistry Graduate Program Committee

2004

Executive Committee (Chair, elected)

Faculty Search Committee

Graduate Studies Committee

Medical Biochemistry Graduate Program Committee

2003

Executive Committee (Chair, elected)

Graduate Studies Committee

Medical Biochemistry Graduate Program Committee

2002

DEPARTMENTAL SERVICE (continued)

2000

Equipment Committee (Chair)
Seminar Series Coordinator
Reproductive Biology Training Grant Seminar Series Coordinator
Executive Committee
Graduate Studies Committee
Medical Biochemistry Graduate Program Committee
Graduate Student Recruitment Committee

1999

Equipment Committee (Chair)
Seminar Series Coordinator
Reproductive Biology Training Grant Seminar Series Coordinator
Executive Committee
Graduate Studies Committee
Medical Biochemistry Graduate Program Committee
Faculty Search Committee
Graduate Student Recruitment Committee

1998

Graduate Student Recruitment Committee (Chair)
Seminar Series Coordinator
Reproductive Biology Training Grant Seminar Series Coordinator
Graduate Studies Committee
Faculty Search Committee
Medical Biochemistry Graduate Program Committee
Equipment Committee

1997

Graduate Student Recruitment Committee (Chair)
Graduate Studies Committee
Seminar Series Coordinator
Faculty Search Committee
Medical Biochemistry Graduate Program Committee
Equipment Committee
Reproductive Biology Training Grant Seminar Series Coordinator

1996

Cell Biology & Biochemistry Graduate Student Recruitment Committee (Chair)
Reproductive Biology Training Grant Seminar Series Coordinator
Medical Biochemistry Graduate Program Committee
Cell Biology & Biochemistry Equipment Committee

1995

MANUSCRIPT AND GRANT REVIEW

Journals

Journal of Biological Chemistry (Editorial Board Member 2004-2009)

Proceedings of the National Academy of Sciences

Biochemistry Biochimica et Biophysica Acta

Journal of Cell Science

Journal of Cell Physiology

Journal of Orthopaedic Research

Biology of Reproduction

Fertility & Sterility

American Journal of Physiology

Molecular Reproduction & Development

Clinical Orthopedics & Related Research

Scandinavian Journal of Medicine and Science in Sports