

CURRICULUM VITAE

I. GENERAL BIOGRAPHICAL INFORMATION

A. Personal:

1. **Name:** Dolores J. Lamb, Ph.D., HCLD
2. **Date of Birth:** August 12; **Citizenship:** USA

B. Education:

1. Undergraduate:

Molloy College 1970-1974
1000 Hempstead Avenue
Rockville Centre, NY 11530
Bachelor of Science, 1974 (Highest Honors in Biology)
Supervisor: S. Justine Jones, O.P., Ph.D.

2. Graduate Education:

1. Graduate:

Adelphi University, Garden City, NY 11570 1974-1976
Research Assistantship in Biology
Master of Science 1976
Thesis Title: "Maternal Responses to the Fetal Allograft"
Supervisor: John K. Hampton, Jr., Ph.D.

2. Doctoral:

The University of Texas Health Science Center at Houston 1976-1980
Program in Reproductive Biology
Houston, TX 77025

Graduate Assistantship in Reproductive Biology, Department of Reproductive 1976-1978
Medicine and Biology, The University of Texas Health Science Center, Houston,
TX

NIH Pre doctoral Trainee in Reproductive Biology, Department of Reproductive 1978-1980
Medicine and Biology, The University of Texas Health Science Center, Houston,
TX

Doctor of Philosophy: 06/1980
Dissertation Title: "An Investigation into the Molecular Mechanisms of
Androgen Action in the Sertoli Cell"
Supervisor: Barbara M. Sanborn, Ph.D.

3. Postgraduate Training:

NIH Postdoctoral Fellow in Reproductive Biology, Department of Reproductive 1980-1981
Medicine and Biology, The University of Texas Medical School, Houston, TX

NIH-NRSA Postdoctoral Fellow, Department of Cell Biology, Baylor College of 1981-1983
Medicine, Houston, TX

C. Academic Appointments:

1. Current Faculty Positions at BCM:

<i>Lester and Sue Smith Chair in Basic Urologic Research</i> Scott Department of Urology, Baylor College of Medicine, Houston, TX	2006-Present
<i>Vice Chairman for Research</i> , Scott Department of Urology, Baylor College of Medicine, Houston, TX	2006-Present
<i>Director</i> , Laboratory for Male Reproductive Research and Testing, Scott Department of Urology, Baylor College of Medicine, Houston, TX	1987-Present
<i>Professor of Urology (Tenured)</i> , Scott Department of Urology, Baylor College of Medicine, Houston, TX	2003-Present
<i>Professor of Molecular and Cellular Biology (Tenured)</i> , Department of Molecular and Cellular Biology, Baylor College of Medicine, Houston, TX	2003-Present
<i>Director</i> , Special Procedures Laboratory, Scott Department of Urology, Baylor College of Medicine, Houston, TX	2002-Present
<i>Associate Professor of Urology (Tenured)</i> , Scott Department of Urology, Baylor College of Medicine, Houston, TX	1995-2003
<i>Associate Professor of Molecular and Cellular Biology (Tenured)</i> , Department of Molecular and Cellular Biology, Baylor College of Medicine, Houston, TX	1996-2003
<i>Assistant Professor of Molecular and Cellular Biology</i> Department of Molecular and Cellular Biology, Baylor College of Medicine, Houston, TX	1986-1995
<i>Assistant Professor of Urology</i> Scott Department of Urology, Baylor College of Medicine, Houston, TX	1986-1995
<i>Instructor of Molecular and Cellular Biology</i> Department of Molecular and Cellular Biology, Baylor College of Medicine, Houston, TX	1984-1986

2. Previous Faculty Position(s) at Other Institutions: Not Applicable

3. Courtesy Faculty Appointment(s) at Other Institutions While at BCM: Not Applicable

D. Other Advanced Training/Experience:

1. Formal Sabbatic Leave: Not Applicable

2. Other Specialized Training Following Academic Appointment:

“Review of Clinical Chemistry for Practicing Pathologists and Clinical Chemists.” Sponsored by The National Registry in Clinical Chemistry, Greenville, NC	1988
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- “Course on Micromanipulation.” Eastern Virginia Medical School, Norfolk, VA 1994
- “Media Training.” Ketchum Public Relations, New York City, NY 1996

E. Other Information:

1. Honors or Awards:

- American Society for Reproductive Medicine, First Prize Paper, Society for Male
 Reproduction/Urology (Niederberger *et al*) 1974
- Tissue Culture Association, Texas Branch, Student award for best paper presented 1980
- Gordon Research Conference Travel Award 1980
- Gordon Research Conference Travel Award 1982
- American Fertility Society First Prize Paper in Urology 1987
- Outstanding Young Women of America 1987
- American Fertility Society, First Prize Video 1991
- American Fertility Society, First Prize Paper in Urology 1992
- American Urological Association, South Central Section, Essay Prize (O’Halloren) 1993
- American Society of Andrology, Journal of Andrology Prize Paper, Second
 Runner-Up (Shubhada *et al*) 1994
- CaP Cure Award for Prostate Cancer Research 1994
- CaP Cure Award for Prostate Cancer Research 1995
- American Urological Association Bruce Stewart Memorial Lecturer at the
 59th Annual Meeting of the American Society for Reproductive Medicine 2003
- William Guy Forbeck Research Foundation 2004
- American Society for Reproductive Medicine, Distinguished Researcher Award (first) 2005
- AUA/Astellas Best Abstract Prize in Infertility 2006
- AUA Ramon Guiteras Lecturer 2007
- AUA Foundation’s Distinguished Mentor Award 2007
- SWIU/SBUR Award for Excellence in Urologic Research 2008
- Dan L. Duncan Cancer Center Pilot Project Award with Jose Garcia, M.D.
 (“Effects of Ghrelin in Cisplatin-Induced Infertility”) 2008-2009
- American Association of Bioanalysts Southern Region Administrative Secretary 2009-2010
- Distinguished Andrologist Award, American Society of Andrology 2010
- The Endocrine Society Outstanding Abstract Award: Y-Chromosome Microdeletions
 Patients Display an Increased Incidence of X-Chromosome Duplications and Deletions 2010
- Scott Department of Urology, Baylor College of Medicine, Faculty Educator Award 06/19/2010
 for Extraordinary Contributions and Mentorship in the Urologic Basic Sciences

2. Board Eligibility/Certification:

Certified as a Clinical Chemist by The National Registry in Clinical Chemistry (License #2089)
 Certified as a High Complexity Clinical Laboratory Director by the American Board of Bioanalysts
 (License #6502)

3. Other Non-Academic Positions: Not Applicable

II. RESEARCH INFORMATION

A. Research Support:

#13 in NIH grant support at Baylor College of Medicine

1. Molecular Basis of Male Infertility
 2. National Institutes of Health, National Institute of Child Health and Human Development
 3. Program Project Director
 4. 2000-2011
 5. \$747,867; \$3,763,625
 6. NIH P01HD36289-04
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1. Urologic Research Career Development Program
 2. National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases
 3. Training Grant Director
 4. 1999-2011 (competitive renewal submitted June 2010)
 5. \$174,976; \$874,880
 6. T32DK07763-07
-
1. Baylor Center for Reproductive Biological Research
 2. National Institutes of Health, National Institute of Child Health and Human Development
 3. Pilot Project Leader (Bert W. O'Malley, M.D., Director)
 4. 2010-2011
 5. \$50,000
 6. 2 U54 HD007495-36
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1. Enhancement of Vitamin D Action in Prostate Cancer through Silencing of CYP24
 2. Department of Defense, U.S. Army Medical Research and Material Command Prostate Cancer Research Program
 3. Principal Investigator
 4. 2007-2011
 5. \$562,500
 6. PC061154
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1. 1R01 DK 078121-01
 2. Principal Investigator
 3. National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases
 4. Improving the Diagnosis of Children with Congenital Genitourinary Anomalies
 5. Budget Period: 09/15/2007-07/31/2008
 6. First Year's Budget: \$ 314,675
 7. Project Budget: 09/15/2007-07/31/2012
 8. Total Direct Costs: \$ 1,258,700
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1. Effects of Ghrelin in Cisplatin-Induced Infertility
 2. Dan L. Duncan Cancer Center Pilot Project Award
 3. Co-Principal Investigator, Jose Garcia, M.D.
 4. 2008-2009
 5. \$100,000
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1. 1K12DK083014-02
 2. Director
 3. National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases
 4. Multidisciplinary K12 Urology Research Career Development Program at Baylor
 5. First Year Budget: \$ 921,532
 6. Project Budget: 09/30/2008-07/31/2013
 7. Total Direct Cost: \$4,607,660

1. 1R13HD067092-01
2. Director
3. National Institutes of Health, The Eunice Kennedy Shriver National Institute of Child Health and Human Development
4. American Society of Andrology Annual Meeting
5. First Year Budget: \$26,000
6. Project Budget: 2011-2016
7. Total Direct Cost: \$130,000

1. American Recovery and Reinvestment Act
2. 3R01DK078121-03S1
3. Principal Investigator
4. National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases 2009-2010
5. Improving Diagnosis of Congenital Genitourinary Anomalies
6. First Year Budget: \$104,115
7. Project Budget: 2010
8. Total Direct Cost: \$104,115

1. American Recovery and Reinvestment Act
2. 3R01GM059152-10S1
3. Sub-Award: Principal Investigator
4. National Institutes of Health, National Institute of General Medical Sciences
5. Dmrt1 in Mammalian Sexual Development
6. First Year Budget: \$30,492
7. Project Budget: 2010-2011
8. Total Direct Cost: \$60,984

PENDING:

1. Molecular Basis of Male Infertility
2. National Institutes of Health, National Institute of Child Health and Human Development
3. Program Project Director
4. Budget Period: Pending
5. Budget Amount: Pending
6. NIH P01HD36289

1. Urologic Research Career Development Program
2. National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases
3. Training Grant Director
4. Budget Period: Pending
5. Budget Amount: Pending
6. T32DK07763

1. U54 Center on Reproductive Genetics of Male Infertility
2. National Institutes of Health, Eunice Kennedy Schriver National Institute of Child Health and Human Development
3. Program Director
4. Budget Period: Pending
5. Budget Amount: Pending
6. U54HD068169

1. Combination Therapy of Vitamin D and Resveratrol for Treatment of Advanced Prostate Cancer
2. Department of Defense, U.S. Army Medical Research and Materiel Command, Prostate Cancer Research Program
3. Principal Investigator
4. Budget Period: Pending
5. Budget Amount: Pending
6. PC101116

1. Improving the Diagnosis of Children with Congenital Genitourinary Anomalies
2. National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases
3. Principal Investigator
4. Budget Period: Pending
5. Budget Amount: Pending
6. 1R01 DK 078121

B. National Scientific Participation:

1. Journal Editorial Boards:

<i>Journal of Andrology</i>	1992-1995, 2000-2010
<i>Fertility and Sterility</i>	1993-1996, 2008
Associate Editor	2009-2010
<i>Urology</i>	1996-2010
<i>Biology of Reproduction</i>	1997-2005
<i>Journal of Urology, Investigative Urology Section</i>	2001-2008
<i>Human Reproduction, Associate Editor</i>	2003-2007
<i>Steroids</i>	2003-Present
<i>Asian Journal of Andrology</i>	2003- Present
<i>Archives of Andrology: Journal of Reproductive Systems</i>	2006-2007
<i>Systems Biology in Reproductive Medicine (SBiRM)</i>	2007-Present

Journal Editorial Boards – Ad Hoc Reviewer:

<i>Journal of Steroid Biochemistry</i>	1984-Present
<i>Endocrinology</i>	1984-Present
<i>Fertility and Sterility</i>	1986-Present
<i>Molecular Endocrinology</i>	1988-Present
<i>Journal of Clinical Endocrinology and Metabolism</i>	1998-Present
<i>Journal of Andrology</i>	1989-Present
<i>Clinical Chemistry</i>	1989-Present
<i>Investigative Urology</i>	1990-Present
<i>Journal of Urology</i>	1990-Present
<i>Molecular and Cellular Neurosciences</i>	1990-Present
<i>Endocrine</i>	1995-2003
<i>Steroids</i>	1997
<i>The Society for the Study of Basic Urological Research Essay Contest</i>	1997-2001
<i>Nature Medicine</i>	2009
<i>Science</i>	2009, 2010
<i>PNAS</i>	2010

2. Review Panels – Ad Hoc Reviewer:

National Science Foundation – Grants	1990
National Institutes of Health, Reproductive Biology Study Section	1993

Ontario Ministry of Health – Grants	1995
Visions of Tomorrow – Grants	1995
Stanford University School of Medicine – Grants	1997
Canadian Cystic Fibrosis Foundation – Grants	1998, 2000
Canadian Physician Services	2001-2003
National Institutes of Health, Biochemical Endocrinology Study Section	2003
National Institutes of Health, Reproductive Biology Study Section	2004
National Institutes of Health, Integrated Clinical Endocrinology and Reproduction Study Section	2005
National Institutes of Health, Cellular, Molecular, and Integrative Reproductive Study Section	2008
American Society for Reproductive Medicine Ortho Research Grant Reviews	2008
American Urological Association Pediatric Urology Program	2008
External Review: Pediatric Surgery Research Review, Pediatric Surgery Division, Texas Children’s Hospital	2008

Full Review Panels – Reviewer:

National Institutes of Health, Interstitial Cystitis Study Section	1994
American Foundation of Urologic Disease	1995-2007
National Institutes of Health, P50 Population Center Grant Site Visit Team, Chapel Hill, NC	1996
National Institutes of Health, Endocrinology Fellowship Study Section	1996-1997
National Institutes of Health, Reproductive Endocrinology Study Section Special Review Panel	1997-2001, 2004 2003
United States Department of Defense	
Prostate Cancer Grant Review Committee (Molecular Genetics)	1998-1999, 2001-2005, 2007
Prostate Cancer Consortium Grant Review Committee	2002
Breast Cancer Grant Review Committee (Molecular Genetics)	2001, 2005, 2006
Ovarian Cancer Center Grant Review Committee	2001, 2002
Breast Cancer Concept Grant Review Committee	2003, 2005, 2006, 2008
Brain Trauma Concept and Review	2007
Prostate Cancer Research Program (PCRP)	2007-2008
Prostate Cancer Clinical Trials	2008
Mesothelioma	2009
Prostate Cancer Research Training	2010
U.S. Army Medical Research and Material Command Congressionally Directed Medical Research Programs (CDMRP) Scientific Peer-Review Panel	2010
Medical Research Council of Canada – Grants	1999, 2001
American Cancer Society, Baylor College of Medicine Junior Investigators	1999-2001
American Society for Reproductive Medicine – Research Grant Awards	2000-2009
American Institute for Cancer Research – Molecular Biology Panel II	2000-2009
National Institutes of Health Center Council, Environmental Health Sciences Review Committee, National Institute of Environmental Health Sciences (NIEHS)	2000-2004
National Institutes of Health, Child Health and Human Development, Program Project Grant	2000
National Institutes of Health, National Institute of Environmental Health Sciences, Program Grant (Chair)	2000
National Institutes of Health, National Institute of Kidney and Digestive Disease, Mentored Scientist Grant (Chair)	2000
National Institutes of Environmental Health Sciences (NIEHS), Special Emphasis Panel	2001
National Institutes of Environmental Health Sciences (NIEHS), P50 Site Visit Review	2001
National Institutes of Health, Center for Scientific Review Special Emphasis Panel	06/11/2001
National Institutes of Environmental Health Sciences (NIEHS), Special Emphasis Panel	06/19-22/2001
National Institutes of Environmental Health Sciences (NIEHS), Special Emphasis	12/13-14/2001

Panel	
California Cancer Research Program, Prostate and Ovarian Cancer Review	2002
National Institute of Diabetes and Digestive and Kidney Diseases Special Emphasis Panel	08/15/2002
Veterans Administration REAP (Research Excellence in Prostate Cancer), University of Iowa School of Medicine	2002-2004
National Institutes of Health, ZRG1 Endocrinology (02)	2002-2004, 2006-2008
National Institutes of Health, Male-Site: Contraceptive Clinical Trials (NICHD)	2003
Biochemical Endocrinology Study Section	06/23/2003
National Institutes of Health, P30 Site Visits (NIEHS)	
Mount Desert Island Marine Biological Laboratory, Bar Harbor, Maine	
Wayne State University School of Medicine, Institute of Environmental Sciences	2003
National Institutes of Health, P40 Animal Model and Animal and Biological Materials Resources Grants (NCRR)	2002-2004
National Institute of Environmental Health Sciences (NIEHS), P50 Site Visit Panels (42)	2002-2004
National Institutes of Health, Center for Scientific Review Special Emphasis Panel	11/08-09/2004
National Institutes of Environmental Health Sciences (NIEHS), Training Grants Panels	2001-2004
National Institutes of Health, National Institute of Environmental Health Sciences Superfund	2004-2009
National Institutes of Health, Center for Scientific Review Special Emphasis Panel	07/25/2005
Integrative and Clinical Endocrinology and Reproduction Study Section	02/10-11/2005, 2008
AUA/Pfizer Sexual Medicine Research Grants	2005-2006
Phillip Morris Research Grants	2005-2007
National Institutes of Health, Center for Scientific Review Special Emphasis Panel	11/03/2006
National Institutes of Health, Contraceptive U54 Center Grants	2006, 2008
National Institute of Child Health and Human Development Special Emphasis Panel Contraceptive Centers	11/09-10/2006, 2008
National Institutes of Health, Center for Scientific Review Special Emphasis Panel	03/02/2007
National Institutes of Health, Center for Scientific Review Special Emphasis Panel	03/28/2007
National Institutes of Health, Center for Scientific Review Special Emphasis Panel	10/26/2007
National Institutes of Environmental Health Sciences (NIEHS), Special Emphasis Panel	02/20/2007
National Institutes of Environmental Health Sciences (NIEHS), Special Emphasis Panel	03/06-09/2007
National Institutes of Environmental Health Sciences (NIEHS), Special Emphasis Panel	08/09/2007
National Institutes of Environmental Health Sciences (NIEHS), Special Emphasis Panel	09/24/2007-09/27/2007
National Institutes of Health, RFA ES 06-005	2007
National Institutes of Health, Special Emphasis Panel	2007
National Institutes of Environmental Health Sciences (NIEHS), ONES Review	2007-2010
National Institutes of Environmental Health Sciences (NIEHS), Review	2008
National Institutes of Environmental Health Sciences (NIEHS), Special Emphasis Panel Training Grants	03/05/2008
National Institutes of Health, Center for Scientific Review Special Emphasis Panel Training Grant	03/20/2009
Endocrinology, Metabolism, and Reproductive Sciences Fellowship Review Panel, ZRG1 F06 20L	03/20/2008
Contraceptive U01 Grant Review Panel	07/14-17-2008
American Institute of Biological Sciences, Methsothelioma Review Panel (Co-Chair)	09/14-16/2008
National Institutes of Health, Center for Scientific Review Special Emphasis Panel	07/30-31/2009
National Institutes of Environmental Health Sciences (NIEHS), Challenge Grant Review	2009
National Institutes of Environmental Health Sciences (NIEHS) Nanosafety Review and ARRA Nanomaterials	2009
National Institutes of Health, Center for Scientific Review Special Emphasis Panel,	2010

Endocrinology, Metabolism, Nutrition and Reproductive Sciences IRG, Chair

Consultant:

National Institutes of Health, HIV in Semen Consensus Conference, Co-Chair	1996
Centers for Disease Control, Workshop on Medical Monitoring at Bunker Hill Presentation on Lead Effects on Male Reproduction	09/23-24/1997
National Institutes of Health, Prostate Cancer Workshop in Molecular National Institute of Child Health and Human Development	09/17-18/1998
“Genetic Basis of Male Infertility” “Micro assisted Fertilization and Genetic Defects”	
Special Symposium to the Internal Advisory Committee, NICHD	04/25/2001
American Urological Association, Search Committee for Director, Office of Research	2001
VA Research Enhancement Program in Prostate Cancer, Iowa City, Iowa	2002-2004
National Institute of Child Health and Development, Infertility Treatment and Adverse Pregnancy Outcomes Meeting, Bethesda, MD	2005
Centers for Disease Control and Prevention: Advancing Men’s Reproductive Health in the United States: Current Status and Future Directions Meeting Panel, Atlanta, GA	09/13/2010

c. **Professional Societies:**

The Society for the Study of Basic Urological Research Executive Committee	1986-Present
Member-at-Large	1990-1994
President Elect	1997-1998
President	1998-1999
Past President	2000
Program Committee	
New Orleans, LA	1990
Rochester, MN	1991
San Antonio, TX	1993
San Francisco, CA	1994
San Diego, CA	1998
Program Chair for Annual Meeting	1993, 1998
Nominating Committee	1993-1995
Chair of Nominating Committee	1999
Finance Committee	1994-1999
Industrial Relations Committee	1996-1999
Advocacy Committee	1998-1999
Executive Planning Committee	
Washington, DC	1990
Houston, TX	1993
New Orleans, LA	1997
Monterey, CA	1997
The American Society for Reproductive Medicine (American Fertility Society)	1989-Present
Vice President	2009-2010
Vice President, Executive Committee	2009-2010
ASRM Ethics Committee	2009-2010
Urology/Male Reproduction Executive Committee	1992-1999
President-Elect, Affiliated Society for Male Reproduction/Urology (SMRU)	1992-1999
President, Affiliated Society for Male Reproduction/Urology (SMRU)	1997
Society for Male Reproduction and Urology (SMRU)	1995-Present
SMRU Appointee to the CDC Board for Development of Guidelines	

for Assisted Reproductive Techniques and Andrology	
ASRM Board of Directors (SMRU Representative)	1997, 2005-2008
ASRM Board of Directors (Director)	2005-2008
ASRM Executive Board	2007-2008
SMRU Past President	1998
SMRU President	1997
SMRU President-Elect	1996
Postgraduate Course Chair (SMRU)	1999
Postgraduate Course Co-Chair (SMRU)	2002, 2008
ASRM Research Career Development Committee	1999-2009
Abstract Review Committee	2003-2009
ASRM Research Committee	2004-Present
ASRM Board of Directors (Member)	1997, 2006-2009
Publications Committee	2006-2008
Publications Committee Chair	2007-2008
Fertility and Sterility Task Force, Chair	2008-Present
ASRM Annual Meeting Scientific Program Abstract Committees	2010
ASRM Board of Directors	2010
ASRM Executive Committee	2010
ASRM Finance Committee	2010
ASRM Fund Development Steering Committee	2010
ASRM International Advisory Committee	2010
ASRM Nominating Committee	2010
Program Policy Committee	2010
ASRM Publications Committee	2010
ASRM Research Committee	2010
Fertility and Sterility Editor Search Committee	2010
American Society of Andrology	1978-Present
Past President	2010-2011
President	2009-2010
Vice President, President Elect	2008-2009
Executive Council	1993-2001, 2007-2011
Secretary	1998-2001
Chairman, Program Committee	1997, 2005, 2009
Program Committee	2002-2003, 2005-2010
Postgraduate Course Committee	1995
Women in Andrology, President/Past President	1997-2000
Society for the Study of Reproduction	1981-Present
Program Committee	1998-2001
The Endocrine Society	1977-Present
Chairman, Endocrine Disruptor Task Force	1998
Media Relations Committee	2000-2005
Abstract Review Committee	1994-2009
Women in Endocrinology	1979-Present
Executive Council, Nominating Committee	2001-2002
Chair, Communications Committee	2002-2004
The American Society for the Advancement of Science	2000
Tissue Culture Association, Texas Branch	1976-1982
The American Chemical Society	1988-Present
The American Association for Clinical Chemistry	1988-Present
American Association of Tissue Banks	1996-2005
Reproductive Council	1996-Present
Program Committee	1999-2001

The American Society for Cell Biology	1984-Present
Congressional Liaison Committee Member, Joint Steering Committee for Public Policy	2001-Present
New York Academy of Sciences	1988-Present
American Urological Association	1994-Present
Chairman, Office of Continuing Education, Summer Basic Research Conference of Male Reproductive Biology	1997
American Urological Association Research Committee Search Committee for Director, Office of Research	2001
Ad Hoc Member for NIH Institute Directors Meeting Research Funding Initiatives	1998-2001, 2007-Present
Member, Research Priorities Group	2003-2004, 2009
Office of Continuing Education, Summer Basic Research Conference on Prostate	2003, 2005
Abstract Review Committee, Team Leader: Infertility: Physiology, Pathophysiology, and Basic Research, Team 24	2003, 2005-2009
Growth in Benign and Malignant Disease (Program Committee)	
American Urological Association Research Council	2005-2006
Annual Meeting Program Committee, Team Leader	2006-Present
Society for the Study of Male Reproduction	
Treasurer	2002-2003
Vice-President	2004-2005
President	2005-2006
American Foundation of Urologic Disease	
NIH Research Priorities	1997-2001, 2008-2009
Research Scholar Review Panel	1997-2007
The American Association of Bioanalysts	1991-Present
Test Writer's Committee (Director Certification), Andrology	1999, 2001, 2003-2010
Board of Directors, Southwest Section Representative	2009-2014
Licensing Examination Test Writer Committee, Molecular Diagnosis	2001-2002, 2006
Frontiers in Reproductive Biology: Reproductive Genetics, Genomics, and Proteomics	2001
Chairman (Scott Conrad, Co-Chair)	
Society of Women in Urology (SWIU)	2007-Present
Board of Directors, Research Committee Chair	2008

4. **Invited Lectures, Presentations, Research Seminars:** (National, International)

1. "RNA Synthetic Activities in the Cellular Elements of the Testis." The University of Texas Medical School, Department of Reproductive Medicine and Biology, Houston, TX, 1979.
2. "Androgen Action in the Sertoli Cell." Dartmouth Medical School, Department of Physiology, Hanover, NH, 1980.
3. "Specificity and Dose-Dependence of Testosterone Stimulation of Sertoli Cell RNA Polymerase II Activity *In Vitro*." The Tissue Culture Association, Texas Branch, Houston, TX, 1980.
4. "An Investigation Into the Molecular Mechanisms of Androgen Action in the Sertoli Cell." University of Texas Graduate School of Biomedical Sciences, Houston, TX, 1980.
5. "Temporal and Quantitative Correlations Between Nuclear Androgen Binding and Stimulation of RNA Polymerase II Activity in Sertoli Cells." Reproductive Biology Seminar, Baylor College of Medicine, Department of Cell Biology, Houston, TX, 1981.

6. "Purification of Rabbit Uterine Progesterone Receptor by Hydrophobic and Affinity Chromatography." The National Institute of Environmental Health Sciences, Research Triangle Park, NC, 1982.
7. "Purification of a Progesterone Receptor from Rabbit Uterus." Gordon Research Conference on the Mammalian Genital Tract, Wolfeboro, NH, 1982.
8. "Heterogeneous DNA-binding Forms of the Rabbit Progesterone Receptor." University of Florida Medical School, Department of Physiology, Gainesville, FL, 1984.
9. "Subunit Structure of the Rabbit Progesterone Receptor." University of Indiana Medical School, Department of Physiology, Indianapolis, IN, 1984.
10. "Evidence for a Single Steroid-Binding Subunit of the Rabbit Uterine Progesterone Receptor." University of Pennsylvania Medical School, Department of Obstetrics and Gynecology, Philadelphia, PA, 1984.
11. "The Rabbit Uterine Progesterone Receptor is Composed of a Single Subunit." The Population Council, Center for Biomedical Research, New York City, NY, 1985.
12. "Growth Regulatory Factors Secreted by Rat Sertoli Cells *In Vitro*." University of Texas School of Medicine, Department of Obstetrics and Gynecology and Reproductive Biology, Houston, TX, 1989.
13. "Mechanisms of Androgen Regulated Growth in Tumors of the Male Reproductive Tract." Baylor College of Medicine, Molecular Carcinogenesis Workshop, Houston, TX, 1989.
14. "Growth Factors and Oncogenes in Genitourinary Tumors." University of Texas, M.D. Anderson Tumor Center, Department of Urology, Houston, TX, 1990.
15. "Steroid Regulated Growth of Male Reproductive Tumors." University of Texas, M.D. Anderson Tumor Center, Department of Urology, Houston, TX, 1990.
16. "Regulatory Factors Secreted by Cultured Rat Sertoli Cells." The Population Council, New York, NY, November, 1990.
17. "Micromanipulation of Oligoteratospermia." American Fertility Society, Round Table, New Orleans, LA, 1992.
18. "Andrology Laboratory Certification Requirements for the Practicing Urologist." Society for the Study of Male Reproduction/Urology, Montreal, Quebec, Canada, 1993.
19. "Growth Factors, Oncogenes, and Testicular Development and Function." Department of Urology, Mount Sinai School of Medicine, New York, NY, 1994.
20. "Growth Related Genes and the Regulation of Spermatogenesis." Department of Molecular Biology and Biochemistry, The Mayo Clinic, Rochester, MN, 1994.
21. "Androgen Receptor Mutations in Advanced Prostate Cancer." Ligand Pharmaceutical, San Diego, CA, 1995.
22. "Paracrine Regulation of Spermatogenesis." Colorado State University Veterinary School, Fort Collins, CO, 1995.

23. "Androgen Receptor Mutations in Advanced Prostate Cancer." Wayne State University School of Medicine, Detroit, MI, 1995.
24. "Androgen Receptor Mutations in Advanced Prostate Cancer." CaP Cure Research Retreat, Santa Barbara, CA, 1995.
25. "Androgen Receptor Mutations in Advanced Prostate Cancer." Genitourinary/Head and Neck Oncology Service Research Conference, Sloan-Kettering Cancer Center, New York, NY, 1996.
26. "Androgen Receptor Mutations in Prostate Cancer." Sloan-Kettering Cancer Center, Department of Urology, New York, NY, 1996.
27. "Androgen Receptor Mutation and Progression of Prostate Cancer." Merck Research Labs, Rahway, NJ, 1997.
28. "Male Infertility." Endocrine Grand Rounds, Baylor College of Medicine, Houston, TX, October 3, 2002.
29. "Genetic risk with intracytoplasmic sperm injection (ICSI). Building Interdisciplinary Research Careers in Women's Health Seminar (BIRCWH). Houston, TX. April 13, 2004.
30. "Scientific Advances in the Treatment of Infertility." The University of Iowa, The Department of Urology, The Iowa Urological Society Urology Postgraduate Conference "Infertility and Female and Reconstructive Urology," Iowa City, IA, September 29-30, 2006.
31. "Infertility-Basic Science." Scott Department of Urology, Baylor College of Medicine, Fifth Annual AUA Topical Review, Houston, TX, May 30, 2007.
32. "Array-Based Comparative Genomic Hybridization Reveals Genetic Hotspots for Congenital genitourinary Defects." Biomedical Research Seminar, Alfred I. duPont Hospital for Children, Wilmington, DE, February 16, 2009.
33. "Leptin-Ghrelin Interplay in the Testis." The Population Council at Rockefeller University, New York, NY, July 8, 2009.
34. Planning Committee and Session Facilitator: "MD and PhD Recruitment into Urological Research. Urology 2.0: Advancing Urology Research Workshop. Bethesda, MD, July 14-15, 2009.
35. "Laboratory Evaluation of the Infertile Male." 17th Innovations in Urologic Practice, Houston, TX, October 2-3, 2009.
36. "What is the Link Between Epigenetics and Male Infertility?" Lecture #409, Session PG12. SMRU-2 Male Reproduction in 2009: New Clinical and Scientific Paradigms. 65th Annual Meeting of the American Society for Reproductive Medicine, Atlanta, GA, October 17-21, 2009.
37. "New Technologies: Stem Cells, Small RNAs and Rare Cell Selection Part I." Lecture #409, Session PG12. SMRU-2 Male Reproduction in 2009: New Clinical and Scientific Paradigms. 65th Annual Meeting of the American Society for Reproductive Medicine, Atlanta, GA, October 17-21, 2009.
38. "Enhancement of Vitamin D Action in Prostate Cancer Through cyp24 Silencing." Duncan Cancer Center Prostate Cancer Program Seminar, Baylor College of Medicine, Houston, TX,

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39. 2nd Annual Innovation Lecture. Resident Research Day, University of Washington, Department of Urology, Seattle, WA, June 12, 2010.
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C. Publications:

1. Full Papers:

a. Published in Peer-Reviewed Journals:

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65. Schatte ED, Decker WK, Lipshultz LI, Kim ED, **Lamb DJ**, Craigen WJ: Semen characteristics of the voltage dependent anion channel-3 knockout mouse. Abstract 0393. Presented at the 94th Annual Meeting of the American Urological Association, Dallas, TX, May 2-6, 1999 (Podium).
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67. Sheiko T, Ray M, Hyder SM, **Lamb DJ**: Orphan receptor NUR77 regulation in male reproductive tumor cells. Presented at the 8th Annual Society for Basic Urologic Research, 1999 (Podium).
68. Lucena RG, Spitz A, Brannigan RE, Orejuela FJ, Kim ED, Crone M, Cisneros P, Carson SA, Casson PR, **Lamb DJ**, Lipshultz LI: Outcomes analysis of intracytoplasmic injection of

testicular sperm from patients with obstructive versus non-obstructive azoospermia. Presented at the 55th Annual Meeting of the American Society for Reproductive Medicine, Toronto, ON, Canada, September 25-30, 1999.

69. Sutherland RW, Hicks MJ, Roth DR, Gonzales ET Jr, **Lamb DJ**: Congenital obstructed megaureter: possible role for apoptosis. Presented at the 95th Annual Meeting, American Urological Association, Atlanta, GA, April 29 – May 4, 2000 (Poster).
70. Kaufman, L, Hussein A, Onel E, Sobel D, Chulamorkodt N, Hong Y, Ross L, Orejuela F, Lipshultz L, **Lamb DJ**, Niederberger C: Neural computational modeling of electroejaculation outcomes. Abstract 1523. Presented at the 95th Annual Meeting, American Urological Association, Atlanta, GA, April 29–May 4, 2000 (Poster).
71. Lin WW, **Lamb DJ**, Lipshultz LI, Bischoff FZ: Association of spermatozoa aneuploidy in recurrent intrauterine insemination failures. Presented at the 95th Annual Meeting, American Urological Association, Atlanta, GA, April 29 – May 4, 2000 (Podium).
72. Hendin BN, Domozhurov A, Lin WW, Moreira S, Carson S, Cisneros P, Lipshultz LI, **Lamb DJ**: Incubation of testicular sperm enhances oocyte fertilization with ICSI procedures. Presented at the 95th Annual Meeting, American Urological Association, Atlanta, GA, April 29 – May 4, 2000 (Poster).
73. **Lamb DJ**, Murthy L, Zhao Y, Weigel NL, Marcelli M: Detection of an androgen receptor (AR) mutation in advanced prostate cancer at multiple metastatic sites. Presented at the 82nd Annual Meeting, The Endocrine Society, Toronto, Ontario, Canada, June 21-24, 2000 (Podium).
74. Malik N, James A, Marcelli M, **Lamb DJ**, Weigel NL: Androgen receptor mutants identified in prostate cancer metastases that exhibit reduced activity. Presented at the 82nd Annual Meeting, The Endocrine Society, Toronto, Ontario, Canada, June 21-24, 2000 (Poster).
75. Heard MJ, Cisneros PL, Buster JE, **Lamb D**, Lipshultz LI, Carson SA: A comparison of clinical pregnancy rates between cryopreserved embryos derived from intracytoplasmic sperm injection (ICSI) versus conventional IVF. Presented at the 56th Annual Meeting of the American Society for Reproductive Medicine, San Diego, CA, October 21-25, 2000 (Poster).
76. Mootha RK, Rohozinski J, Lipshultz LI, **Lamb DJ**, Bishop CE: Identification of the human CAN1 gene: A potential site for mutation in infertile men. Presented at the 96th Annual Meeting of the American Urological Association, Anaheim, CA, June 2-7, 2001.
77. Casella RG, Maduro MR, Lipshultz LI, **Lamb DJ**: Expansion of the CAG repeat in exon 1 of the androgen receptor gene isolated from the testicular tissue of infertile males. Presented at the 96th Annual Meeting of the American Urological Association, Anaheim, CA, June 2-7, 2001.
78. Nudell DM, Alphonse PJ, Cozzolino DJ, Murthy L, **Lamb DJ**, Lipshultz LI: The effects of seminal fluid reactive oxygen species (ROS) on the sperm penetration assay (SPA). Presented at the 96th Annual Meeting of the American Urological Association, Anaheim, CA, June 2-7, 2001.

79. Pagani RL, Cozzolino DJ, Nudell DM, Lipshultz LI, **Lamb DJ**: Sperm penetration assay identifies functional sperm abnormalities in anejaculatory patients. Presented at the 96th Annual Meeting of the American Urological Association, Anaheim, CA, June 2-7, 2001.
80. Pagani RL, **Lamb DJ**, Lipshultz LI, Niederberger CS: A large multi-center study of the electroejaculation procedure. Presented at the 57th Annual Meeting of the American Society for Reproductive Medicine, Orlando, FL, October 20-25, 2001.
81. Pagani RL, Nudell DM, Cozzolino DJ, **Lamb DJ**, Lipshultz LI: Antisperm antibodies in spinal cord injury patients. Presented at the 57th Annual Meeting of the American Society for Reproductive Medicine, Orlando, FL, October 20-25, 2001.
82. **Lamb DJ**, Lipshultz LI: Spermatogonial stem cell transplantation in male infertility. Presented at the 2002 Meeting of the AAGUS, Kiawah, SC (Podium), April 17-20, 2002 (Oral).
83. **Lamb DJ**: Polyglutamine polymorphisms in the androgen receptor gene of infertile males: risk factor for testicular seminoma onset? Presented at the 97th Annual Meeting, American Urological Association, May 25-30, 2002 (Podium).
84. Brugh VM 3rd, Schrepferman CG, Pagani RL, Burrows PJ, **Lamb DJ**, Lipshultz LI: Relationship of karyotype abnormalities and testis biopsy results. Presented at the 97th Annual Meeting of the American Urological Association, Orlando, FL, May 25-30, 2002.
85. Lai HH, Schrepferman CG, Brugh VM 3rd, Burrows PJ, **Lamb DJ**, Lipshultz LI: Etiology of secondary azoospermia. Presented at the 97th Annual Meeting of the American Urological Association, Orlando, FL, May 25-30, 2002.
86. King SR, Ginsberg SD, Smith RG, and **Lamb DJ**: Co-localization of the steroidogenic acute regulatory (StAR) protein, P450scc, and MLN64 in the brain. Presented at the Endocrine Society Annual Meeting, San Francisco, CA, 2002 (Poster).
87. Maduro MR, Smith AG, **Lamb D**: Increased incidence of expanded alleles of the DMPK gene (myotonic dystrophy) associated with non-obstructive azoospermia (NOA): A new concern for ICSI? Presented at the Endocrine Society Annual Meeting, San Francisco, CA, 2002 (Podium).
88. King SR, Ginsberg S, Ishii T; Parker KL, Smith RG, **Lamb DJ**: Colocalization of the steroidogenic acute regulatory (StAR) protein with cytochrome P450SCC in mouse and human brain. Presented at the Neuroscience Annual Meeting, San Francisco, CA, 2002 (Poster).
89. Land S, Murthy L, **Lamb DJ**, Lipshultz LI, Ross L, Niederberger CS: A neural computational model of ICSI outcomes from sperm source and other features. Presented at the 58th Annual Meeting of the American Society for Reproductive Medicine, Seattle, WA, October 2002 (Poster).
90. Maduro MR, Casella R, Smith AG, **Lamb DJ**: Increased incidence of triplet repeat diseases expanded alleles in azoospermic men: A new concern for ICSI? Presented at the 58th Annual Meeting of the American Society for Reproductive Medicine, Seattle, WA, October 2002 (Podium).
91. Brugh VM 3rd, Parker MA, Murphy L, Lipshultz LI, **Lamb DJ**: A novel technique of spermatogonial stem cell isolation. Presented at the 58th Annual Meeting of the American Society for Reproductive Medicine, Seattle, WA, October 2002 (Podium).

92. Sparks SS, Schrepferman CG, Brugh VM 3rd, **Lamb DJ**, Lipshultz LI: Relationship of predominant histologic pattern at testis biopsy to outcome following *in vitro* fertilization with intracytoplasmic sperm injection (IVF/ICSI) in men with azoospermia. Presented at the 58th Annual Meeting of the American Society for Reproductive Medicine, Seattle, WA, October 2002.
93. **Lamb DJ**: The potential of regenerative stem cells for the treatment of male infertility. Presented at the NICHD sponsored meeting: Apoptosis in the Male Reproductive Tract, May 2002 (Podium).
94. **Lamb DJ**: Understanding the new genetics of male reproductive failure. Presented at the Annual Clinical Genetics Meeting, San Diego, CA, March 16, 2003.
95. Anwuri VA, Shariat SF, **Lamb DJ**, Kattan MW, Wheeler TM, Slawin KM: Association of preoperative plasma levels of vascular endothelial growth factor and soluble vascular cell adhesion marker-1 with biochemical progression after radical prostatectomy. Abstract 1444. Presented at the 98th Annual Meeting of the American Urological Association, Chicago, IL, April 26 – May 1, 2003. *J Urol* (suppl) 169(4):386, 2003.
96. Lo KC, Brugh VM III, **Lamb DJ**: Colonization of enriched testicular stem cells in the interstitial and peritubular space following transplantation into a testis. Abstract 1544. Presented at the 98th Annual Meeting of the American Urological Association, Chicago, IL, April 26 – May 1, 2003. *J Urol* (suppl) 169(4):413, 2003.
97. Casella R, Maduro MR, Lipshultz LI, **Lamb DJ**: Microsatellite instability in cryptorchid patients. Abstract 1555. Presented at the 98th Annual Meeting of the American Urological Association, Chicago, IL, April 26 – May 1, 2003. *J Urol* (suppl) 169(4):416, 2003.
98. Matschke HM, Lo KC, Brugh VM III, **Lamb DJ**, Lipshultz LI: Sperm DNA damage and smoking: Evaluation of association using DNA Comet assay. Abstract 1566. Presented at the 98th Annual Meeting of the American Urological Association, Chicago, IL, April 26 – May 1, 2003. *J Urol* (suppl) 169(4):419, 2003.
99. Lo KC, Chuang WW, Matschke, Richardson BE, Lipshultz LI, **Lamb DJ**: Sperm DNA damage is associated with decreased sperm density in semen analysis. Abstract 1686. Presented at the 98th Annual Meeting of the American Urological Association, Chicago, IL, April 26 – May 1, 2003. *J Urol* (suppl) 169(4):450, 2003.
100. Chuang WW, Lo KC, Lipshultz LI, **Lamb DJ**: Does sperm selection by binding to hyaluronic acid improve selection of sperm with less DNA damage for use in ICSI? Abstract 1697. 98th Annual Meeting of the American Urological Association, Chicago, IL, April 26 – May 1, 2003. *J Urol* (suppl) 169(4):452-453, 2003.
101. King SR, **Lamb DJ**, Smith RG, Ginsberg SD: Localization of the steroidogenic acute regulatory (StAR) protein homolog MLN64 in Alzheimer's disease: A potential link between cholesterol transport and neurodegeneration. Abstract OR17-5. Endo 2003: Presented at the Endocrine Society's 85th Annual Meeting, Focus: Cardiovascular Endocrinology, Philadelphia, PA, June 19-22, 2003 (Oral).

102. Chuang WW, Lo KC, **Lamb DJ**, Lipshultz LI: The determination of multiple copies of the deleted in azoospermia (DAZ) gene and its deletion patterns in azoospermic and oligospermic patients. Abstract P-354. Presented at the 59th Annual Meeting of the American Society for Reproductive Medicine, San Antonio, TX, October 11-15, 2003 (Poster).
103. McKenzie LJ, Amato P, Kovanci E, **Lamb DJ**, Lipshultz LI: A significantly higher early pregnancy loss rate is seen with intracytoplasmic sperm injection (ICSI) versus *in vitro* fertilization (IVF). Abstract P-248. Presented at the 59th Annual Meeting of the American Society for Reproductive Medicine, San Antonio, TX, October 11-15, 2003 (Poster).
104. Lo KC, Lei ZM, Rao CV, **Lamb DJ**: *De novo* testosterone production in a luteinizing hormone receptor knockout mouse after transplantation of Leydig stem cells. Abstract 0-9. Presented at the 59th Annual Meeting of the American Society for Reproductive Medicine, Society for Male Reproduction and Urology Traveling Scholars, San Antonio, TX, October 13, 2003 (Oral).
105. McKenzie LJ, Buster JE, Cisneros P, **Lamb DJ**, Lipshultz LI, Carson SA: Pregnancy outcome of IVF/ICSI with profound teratospermia (Kruger strict criteria of zero). Abstract 0-291. Presented at the 59th Annual Meeting of the American Society for Reproductive Medicine, ART: Male Factor, San Antonio, TX, October 15, 2003 (Oral).
41. Canto EI, Singh H, Shariat SF, Nguyen C, **Lamb DJ**, Beck J, Mikolajczyk SD, Linton HJ, Rittenhouse HG, Wheeler TM, Kadmon D, Miles BJ, Slawin KM: Serum BPSA is a better predictor of prostate enlargement than either total PSA or free PSA in men without prostate cancer. Abstract 1532. Presented at the 99th Annual Meeting of the American Urological Association, San Francisco, CA, May 8-13, 2004. *J Urol* (suppl) 171(4):403, 2004.
42. Canto EI, Singh H, Shariat SF, Nguyen C, **Lamb DJ**, Mikolajczyk SD, Linton HJ, Rittenhouse HG, Stephenson AJ, Wheeler TM, Kadmon D, Miles BJ, Slawin KM: Comparison of %FPSA, %BPSA, [-2]PPSA/FPSA, and [-2]PPSA/BPSA for prostate cancer detection in men with total serum PSA concentrations between 4 and 10 ng/mL. Abstract 1661. Presented at the 99th Annual Meeting of the American Urological Association, San Francisco, CA, May 8-13, 2004. *J Urol* (suppl) 171(4):439, 2004.
43. Lo KC, Brugh VM III, Parker M, **Lamb DJ**: Isolation and enrichment of spermatogonial stem cells using rhodamine 123 mitochondrial dye. Abstract 1372. Presented at the 99th Annual Meeting of the American Urological Association, San Francisco, CA, May 8-13, 2004. *J Urol* (suppl) 171(4):361, 2004.
44. Maduro MR, Murthy L, Lipshultz LI, **Lamb, DJ**: Testicular failure may predict a predisposition to cancer development. Abstract 852999. Presented at the Endocrine Society's 86th Annual Meeting. New Orleans, LA, June 16-19, 2004.
45. King SR, Smith AGA, **Lamb DJ**: Identification of the phosphorylation site of the steroidogenic acute regulatory protein in steroidogenic cells. Presented at the 12th International Congress of Endocrinology, Lisbon, Portugal, August 31 – September 4, 2004.
46. Lo KC, Oesterreich IS, **Lamb DJ**: Androgen replacement restores spermatogenesis in SAFB1 knockout mice. Presented at the American Society for Reproductive Medicine. Philadelphia, PA, October 16-20, 2004 (Poster).

47. Lo KC, Murthy L, Richardson BE, Chelu L, Lipshultz LI, **Lamb DJ**: High sperm DNA damage is not associated with sperm penetration assay using zona-free hamster oocytes in a multivariable analysis. Presented at the American Society for Reproductive Medicine. Philadelphia, PA, October 16-20, 2004 (Poster).
48. Iguchi N, Yang S, **Lamb DJ**, Hecht NB: A mutation in the protamine 1 gene of two infertile men creates a putative new site for phosphorylation. Presented at the American Society of Andrology. Seattle, WA, April 2-6, 2005.
49. Lo KC, Ivanova M, Oesterreich S, **Lamb DJ**: Androgen replacement restores spermatogenesis in male estrogen receptor- α co-repressor SAFB-1 null mice that exhibit features of hypogonadism. Presented at the XVIII North American Testis Workshop. Seattle, WA, March 29 – April 2, 2005 (Poster).
50. Rohozinski J, Bishop C, **Lamb DJ**: HUTP14c, A human retro-gene within the glycosyl transferase gene expressed in male and female gonads. Presented at the XVIII North American Testis Workshop. Seattle, WA, March 29 – April 2, 2005 (Poster).
51. Canto EI, Singh H, **Lamb DJ**: Serum BPSA predicts prostate volume despite the presence of clinically localized prostate cancer in men undergoing prostate biopsy. Presented at the American Urological Association. San Antonio, TX, May 23, 2005 (Podium).
52. French D, Case J, Boyle KE, Crain D, Blanco J, **Lamb DJ**, Lipshultz LI: The use of fluorescence in-situ hybridization (FISH) in men with failed pregnancy success. Presented at the American Urological Association. San Antonio, TX, May 25, 2005 (Podium).
53. Slawin KM, Levitt JM, Roehrborn CG, McConnell JD, Getzenberg RH, Lucia MS, Peterson L, **Lamb DJ**, et al: The relationship between PSA isoforms and BPH-related prostate volume at baseline in the MTOPS trial. Presented at the American Urological Association. San Antonio, TX, May 23, 2005 (Moderated Poster).
54. **Lamb DJ**, Maduro MR, Chu L, Gordon F: Concerns for infertile men and their offspring conceived by intracytoplasmic sperm injection. S21-3. Presented at the 89th Annual Meeting of the Endocrine Society. San Diego, CA, June 4-6, 2005.
55. King SR, Smith AGA, Garner CW, Stocco DM, **Lamb, DJ**: Induction of steroidogenesis requires phosphorylation of StAR. Poster Session P1-331. Presented at the 89th Annual Meeting of the Endocrine Society. San Diego, CA, June 4-6, 2005.
56. Gordon F, Maduro M, Murthy L, Blanco J, Chelu L, O'Bryan M, Cram D, Lynch M, Reilly A, DeKretser DM, McLachlan RI, **Lamb DJ**: Neurodegenerative disease microsatellite expansions in infertile men undertaking assisted reproductive treatment. Oral 57-2. Presented at the 87th Annual Meeting of the Endocrine Society. San Diego, CA, June 4-6, 2005.
57. Kshirsagar A, Murthy L, Chelu L, **Lamb D**, Ross L, Niederberger C: Predicting outcomes for intracytoplasmic sperm injection. Presented at the American Sexual and Reproductive Medicine 2005 Annual Meeting. Montreal, Quebec, Canada, October 2005.
58. King SR, Smith AGA, Ginsberg SD, **Lamb DJ**: Characterization of the putative cholesterol transport protein MLN64 in the brain. Presented at the 35th Annual Meeting of the Society for Neuroscience, Washington, DC, 2005. *Neurobiol Lipids* 4:3, 2005 (Published online October 31, 2005).

59. Whirledge S, Smith RG, **Lamb DJ**: Ghrelin and leptin interplay in proper gonadal function. Prize abstract. Presented at the Utah Symposium on the Genetics of Male Infertility. Salt Lake City, UT, January 26, 2006.
60. Whirledge S, Smith RG, **Lamb DJ**: Leptin and Ghrelin balance is required for murine spermatogenesis. Presented at the American Society of Andrology. Chicago, IL, April 8-11, 2006.
61. Najari BB, Gordon F, Lipshultz LI, **Lamb DJ**: Machado-Joseph microsatellite expansion in patients with azoospermia. Presented at the American Urological Association. Anaheim, CA, May 19-24, 2007 (Poster).
62. Khera M, Colon J, Grober ED, Najari BB, Murthy L, **Lamb DJ**, Lipshultz LI: The safety and efficacy of testosterone replacement therapy following radical prostatectomy. Presented at the American Urological Association. Anaheim, CA, May 19-24, 2007 (Poster).
63. Grober ED, Stroup SP, Walters RC, Khera M, Crain DS, **Lamb DJ**, Murthy L, Lopez-Perdomo M, Lipshultz LI: Comparison of Kruger strict morphology among fertile and infertile males. Presented at the American Urological Association. Anaheim, CA, May 19-24, 2007 (Podium).
64. Khera M, Ederuo WO, Grober ED, Murthy L, **Lamb DJ**, Lipshultz LI: Testosterone is a better predictor than prolactin in identifying pituitary microadenomas in patients with hyperprolactinemia. Presented at the American Urological Association. Anaheim, CA, May 19-24, 2007 (Podium).
65. Alukal JP, Najari BB, Chuang W, Murthy L, Lopez-Perdomo M, Zhu Y, Lipshultz LI, **Lamb DJ**: Analysis of chromosomal aneuploidy in patients with oligoasthenoteratozoospermia (OAT) using fluorescent in-situ hybridization. Presented at the American Urological Association. Anaheim, CA, May 19-24, 2007 (Podium).
66. Najari BB, Alukal JP, Chuang W, Murthy L, Lopez-Perdomo M, Lipshultz LI, **Lamb DJ**: Automation of cell and probe counting after fluorescence in-situ hybridization for germ cell aneuploidy (sperm FISH) using the Bioview system: A means to increased efficiency, accuracy, and cost control. Presented at the American Urological Association. Anaheim, CA, May 19-24, 2007 (Poster).
67. Alukal JP, Najari BB, Bischoff FZ, Simpson JL, Cisneros P, Carson SA, Chuang W, Murthy L, Lipshultz LI, **Lamb DJ**: Fluorescence in-situ hybridization of sperm consistent with gonadal mosaicism in a male with normal karyotype: Transmission by ICSI resulting in recurrent pregnancy loss. Presented at the American Urological Association. Anaheim, CA, May 19-24, 2007 (Poster).
68. **Lamb DJ**: Enhancement of vitamin D action in prostate cancer through silencing of CYP24. Poster Presentation P1-262: OR17 bench to bedside-hormonal effects in prostate cancer, Co-Chair Oral Abstract Session. Presented at the Endocrine Society Annual Meeting. Toronto, Ontario, Canada, June 1-3, 2007.
69. Weber B, Lipshultz LI, **Lamb DJ**, Lo KC: Relationship between sperm DNA fragmentation and sperm density, motility, and abnormal morphology. Presented at the Canadian Urological Association. Quebec City, QC, Canada, June 24-27, 2007. Abstract MP02.07. CUAJ 1(2):158, 2007.
70. Khera M, Ekeruo W, Grober ED, Murthy L, **Lamb DJ**, Lipshultz LI: Testosterone is a better indicator than prolactin in predicting a pituitary microadenoma in patients with

- hyperprolactinemia. Presented at the Canadian Urological Association. Quebec City, QC, Canada, June 24–27, 2007. Abstract MP02.10. CUAJ 1(2):159, 2007.
71. Khera M, Colen J, Grober ED, Najari B, Murthy L, **Lamb DJ**, Lipshultz LI: The safety and efficacy of testosterone replacement therapy following radical prostatectomy. Presented at the Canadian Urological Association. Quebec City, QC, Canada, June 24–27, 2007. Abstract MP02.11. CUAJ 1(2):159, 2007.
 72. Khera M, Grober ED, Murthy L, **Lamb DJ**, Lipshultz LI: Should patients with decreased prolactin levels be screened differently for prostate cancer? Presented at the Canadian Urological Association. Quebec City, QC, Canada, June 24–27, 2007. Abstract MP02.12. CUAJ 1(2):160, 2007.
 73. Khera M, Ekeruo W, Grober ED, Murthy L, **Lamb DJ**, Lipshultz LI: The association of hyperprolactinemia and impaired sperm motility: Is there a role for dopamine agonist therapy? Presented at the Canadian Urological Association. Quebec City, QC, Canada, Jun 24–27, 2007. Abstract DIS02.24. CUAJ 1(2):206, 2007.
 74. Weber B, Shahani R, Jarvi K, Lipshultz LI, **Lamb DJ**, Lo KC: Semen analysis variables and their association with sperm penetration assay and DNA fragmentation. Presented at the Canadian Urological Association. Quebec City, QC, Canada, June 24–27, 2007. Abstract DIS02.27. CUAJ 1(2):207, 2007.
 75. Whirledge S, Asnicar MA, Smith RG, **Lamb DJ**, Garcia JM: The proactive role of Ghrelin on Cisplatin-induced toxicity. Presented at the Florence-Utah International Symposium: Genetics of Male Infertility. Florence, Italy, September 11-18, 2007.
 76. Alukal JP, Najari BB, Murthy L, Chuang W, Lipshultz LI, **Lamb DJ**: Clinical outcomes in patients with severe oligoasthenoteratozoospermia and abnormal sperm FISH. Presented at the 63rd Annual Meeting of the American Society for Reproductive Medicine. Washington, DC, October 13–17, 2007. Abstract P-795. Fertil Steril 88(Suppl 1):S370, 2007.
 77. Alukal JP, Najari BB, Murthy L, Mohamed O, Lipshultz LI, **Lamb DJ**: A cost effective method of sperm DNA damage assessment that correlates with semen parameters. Presented at the 63rd Annual Meeting of the American Society for Reproductive Medicine. Washington, DC, October 13–17, 2007. Abstract P-822. Fertil Steril 88(Suppl 1):S379, 2007.
 78. Alukal JP, Najari BB, Murthy L, Khera M, Lipshultz LI, **Lamb DJ**: Sperm DNA damage versus reactive oxygen species (ROS) – Is there evidence of a causal relationship? Presented at the 63rd Annual Meeting of the American Society for Reproductive Medicine. Washington, DC, October 13–17, 2007. Abstract P-830. Fertil Steril 88(Suppl 1):S382, 2007.
 79. Han S, Corbett ST, Louet M, **Lamb DJ**: Chromosome microarray analysis improves diagnosis of congenital genitourinary defects and offers potential for new gene discovery. Presented at the 14th Annual Meeting of the Texas Forum for Reproductive Sciences. Houston, TX, April 17-18, 2008 (Podium).
 80. Grober ED, **Lamb DJ**, Khera M, Murthy L, Hamilton R, Lipshultz LI: Correlation of simultaneous PSA and serum testosterone levels among hypogonadal men receiving testosterone replacement therapy and untreated eugonadal men. Presented at the American Urological Association. Orlando, FL, May 20, 2008 (Poster). J Urol 179(4):427, April 2008.

81. **Lamb DJ**, Lipshultz LI: Chromosome microarray analysis (CMA) detects submicroscopic aberrations in infertile men. Presented at the American Urological Association. Orlando, FL, May 21, 2008 (Poster). *J Urol* 179(4):596, April 2008.
82. Alukal JP, Najari BB, Murthy L, Lopez-Perdomo M, Zhu Y, Chuang W, Lipshultz LI, **Lamb DJ**: Elevated sperm DNA damage in patients with oligoasthenoteratozoospermia (OAT). Presented at the American Urological Association. Orlando, FL, May 21, 2008 (Podium). *J Urol* 179(4):655, April 2008.
83. Slawin KM, Marks LS, McVary K, Levitt JM, **Lamb DJ**, Macaira M, Gago B, Broyles DL, Mizrahi IA: Serum levels of BPSA exhibit A transient dramatic “spike” in weeks after initiation of 5 alpha reductase therapy (5ARI). Presented at the American Urological Association. Orlando, FL, May 21, 2008 (Podium). *J Urol* 179(4):702, April 2008.
84. Tannour-Louet M, Shuo H, Corbett ST, **Lamb DJ**: A high resolution screen reveals unrecognized chromosome anomalies in congenital genitourinary defects associated with male infertility. Presented at the American Urological Association. Orlando, FL, May 21, 2008. *J Urol* 179(4):785, April 2008.
85. Louet, M, Corbett ST, **Lamb DJ**: The genomic basis of sexual development disorders in male children using array-based comparative genomic hybridization. Presented at the 90th Annual Meeting of the Endocrine Society. San Francisco, CA, June 15, 2008 (Poster).
86. Whirledge S, Asnicar MA, Smith RG, Lamb DJ, Garcia JM: Ghrelin prevents Cisplatin-induced Cachexia and testicular apoptosis. Presented at the 90th Annual Meeting of the Endocrine Society. San Francisco, CA, June 18, 2008 (Oral Presentation, Top Student Prize Paper).
87. Babineaux A, **Lamb DJ**: To enhance antiproliferative activity of vitamin D in prostate cancer for both chemopreventive and treatment of advanced disease. Presented at the 2008 Annual Biomedical Research Conference for Minority Students. Orlando, FL, November 7, 2008.
88. Alukal JP, Louet M, Whirledge S, Sun, Y, Smith RG, **Lamb DJ**: Ghrelin and leptin influence differential gene expression in the post-pubertal murine Sertoli cell. Presented at the 64th Annual Meeting of the American Society for Reproductive Medicine. San Francisco, CA, November 8-12, 2008 (Oral Presentation).
89. Louet M, Han S, Corbett S, **Lamb DJ**: A molecular karyotype reveals unrecognized chromosome defects in congenital genitourinary defects associated with male infertility. Presented at the 64th Annual Meeting of the American Society for Reproductive Medicine. San Francisco, CA, November 8-12, 2008 (Oral Presentation).
90. Han S, Louet M, Corbett S, Lamb DJ: Comparative genome hybridization array reveals chromosome anomalies in congenital genitourinary defects associated with male infertility. Presented at the North American Testis Workshop, 2009.
91. Yatsenko AN, Yatsenko SA, Arias P, Chen R, Murthy LJ, Cheung SW, Lipshultz LI, **Lamb DJ**, Matzuk MM: A molecular-cytogenetic study of genomic aberrations in azo- and oligozoospermic men. Presented at the ASA Testis Workshop. Philadelphia, PA, April 2009.

92. Whirledge S, Jorgez CJ, Smith RG, **Lamb DJ**: Ghrelin and leptin interplay in the testis. Presented at the 15th Annual Meeting of the Texas Forum for Reproductive Sciences. April 2009.
93. Whirledge S, Garcia JM, Smith RG, **Lamb DJ**: Ghrelin administration prevents cisplatin-induced testicular damage. Presented at the 2009 North American Testis Workshop. Philadelphia, PA, April 2009.
94. Hsieh MH, Han S, Louet M, **Lamb DJ**: Array-based comparative genomic hybridization reveals 9p24 as a genetic hotspot for ambiguous genitalia and gonadal dysgenesis. Presented at the American Urological Association. Chicago, IL, April 29, 2009 (Podium). *J Urol* 181(4):786, April 2009.
95. Alukal JP, Najari BB, Murthy L, Lopez-Perdomo M, Zhu Y, Chuang W, Lipshultz LI, **Lamb DJ**: Elevated sperm DNA damage in patients with oligoasthenozoospermia (OAT). Presented at the American Urological Association. Chicago, IL, April 29, 2009 (Podium).
96. Alukal J, Whirledge S, Louet M, Sun Y, Smith RG, **Lamb DJ**: Ghrelin and leptin interplay in prevention of testicular damage due to cryptorchidism. Presented at the American Urological Association. Chicago, IL, April 29, 2009 (Moderated Poster).
97. Tannour-Louet M, Shuo H, Corbett ST, **Lamb DJ**: A high resolution screen reveals unrecognized chromosome anomalies in congenital genitourinary defects associated with male infertility. Presented at the American Urological Association. Chicago, IL, April 29, 2009 (Podium).
98. **Lamb DJ**: DNA mismatch repair defects are associated with non-obstructive azoospermia in the infertile male. Presented at the Endocrine Society, ENDO 09. Washington, DC, June 10-13, 2009.
99. Mukherjee S, Addai J, **Lamb DJ**: The molecular basis for the mismatch repair deficiencies in men with non-obstructive azoospermia (NOA). 65th Annual Meeting of the American Society for Reproductive Medicine, Atlanta, GA, October 17-21, 2009.
100. **Lamb DJ**: Chromosome abnormalities in congenital genitourinary defects revealed in comparative genomic hybridization assay. Presented at the 59th Annual Meeting of the American Society of Human Genetics. Honolulu, HI, October 20-24, 2009.
101. Jorgez DJ, **Lamb DJ**: Comparative genomic hybridization microarray (aCGH) to identify unrecognized structural chromosomal defects associated with human male infertility. Presented at the 59th Annual Meeting of the American Society of Human Genetics. Honolulu, HI, October 20-24, 2009.
102. Yatsenko AN, Arias P, Chen R, Murthy LJ, **Lamb DJ**, Matzuk MM: SPAG16 cDNA mutations associated with oligo- and oligoasthenozoospermia in infertile men. Presented at the 59th Annual Meeting of the American Society of Human Genetics. Honolulu, HI, October 20-24, 2009 (Platform Session).
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4. **Books:**

a. **Complete Books Written:** Not Applicable

b. **Books Edited:** Not Applicable

c. **Book Chapters Written:**

1. Sanborn BM, **Lamb DJ**, Tsai YH, Steinberger A: Androgen action in the Sertoli cell. In: Functional Correlates of Hormone Receptors in Reproduction. Mahesh, V (ed). New York: Elsevier-North Holland Press, 1980, pp 205-220.
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17. Chuang WW, Lin WW, Hendin B, **Lamb DJ**, Lipshultz LI: Handling and cryopreservation of testicular sperm. In: Textbook of Assisted Reproductive Techniques: Laboratory and Clinical Perspectives. 1st Edition, Chapter 24. Gardner DK, Weissman A, Howles CM, Shoham Z (eds). London, England: Martin Dunitz Publishers, Ltd, 2001, pp 273-278.
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28. Chuang WW, Lo KC, Lipshultz LI, **Lamb DJ**: Male infertility. In: Part II: Pathophysiology and Therapy in Yen and Jaffe's Reproductive Endocrinology – Physiology, Pathophysiology, and Clinical Management, Chapter 21, 5th Edition. Strauss JF 3rd, Barbieri RL (eds). Philadelphia, PA: Elsevier Saunders, 2004, pp 669–690.
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31. Whirlledge S, Lo KC, **Lamb DJ**: Therapeutic potential of stem cells in aging-related diseases. In: Handbook of Models for Human Aging. Vol 45. Conn PM (ed). Elsevier, 2006, pp 563-574.
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33. Alukal, JP., **Lamb DJ**: Intracytoplasmic sperm injection (ICSI) – What are the Risks? In: Urologic Clinics of North America. Vol 35, No 2. Nagler HM (guest ed). Elsevier, May 2008, pp 277-288.
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46. Hwang K, **Lamb DJ**: Molecular mechanisms of antioxidants in male infertility. In Antioxidants in the Medical and Surgical Treatment of Male Infertility. Parekattil SJ, Agarwal A (eds.), (in press 2010).

d. **Book Appendix (Guest Editor):**

1. **Lamb DJ**, Ord T (Guest Editors): Laboratory methods in andrology. In: Infertility in the Male, 3rd Edition. Lipshultz LI, Howards SS (eds) St. Louis: Mosby-Year Book, Inc, 1997.

e. **Book Reviews:**

1. **Lamb DJ**: Handbook of the Assisted Reproduction Laboratory. Brooks A, Keel, JV, DeJonge May CJ (eds).
2. **Lamb DJ**: WHO Laboratory Manual for the Examination of Human Semen and Human Semen Cervical Mucus Interactions. *J Androl* 22(2), 2001.
3. Lipshultz LI, **Lamb DJ**: Review of The Molecular and Cellular Endocrinology of the Testis. Cook BA, Sharp RM (eds). *J Urol* 1994

5. **Other Works Communicating Research Results to Scientific Colleagues:**

1. **Lamb DJ**: “Maternal Responses to the Fetal Allograft.” M.S. Dissertation , 1976.
2. **Lamb DJ**: “An Investigation into the Molecular Mechanisms of Androgen Action in the Sertoli Cell.” Ph.D. Dissertation, 1980.
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6. **Syllabus:**

1. **Lamb DJ**: “Growth Factors and Testicular Development.” American Association of Pediatric Urologists (Syllabus), 1992.
2. Lipshultz LI, **Lamb DJ**: “Sperm Micromanipulation Techniques.” American Urological Association (Syllabus), 1992.
3. **Lamb DJ**, Stockton JD, Meistrich ML, Lipshultz LI: “Animal Models that Mimic Human Sperm Defects.” American Fertility Society Postgraduate Course (Syllabus), 1993.
4. **Lamb DJ**: “Molecular Tests for Male Infertility Diagnosis in the Future.” American Fertility Society Postgraduate Course (Syllabus), 1994.
5. Lipshultz LI and **Lamb DJ**: “Gene Therapy and Genetic Models of Male Infertility.” American Fertility Society Postgraduate Course (Syllabus), 1994.
6. **Lamb DJ**: “A Review of Molecular Technologies Leading to Advances in our Understanding of Male Reproductive Defects.” Society for the Study of Male Reproduction, American Urological Association (Syllabus), 1997.
7. **Lamb DJ**: “The Role of Environmental Endocrine Disruptors.” Annual Meeting, The Society for the Study of Male Reproduction, 1998.
8. **Lamb DJ**: “Genetic Control of Sexual Development.” Andrology Postgraduate Course, San Diego, CA, (Syllabus), March 1998.

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10. **Lamb DJ:** “Endocrine Disruptors and Male Reproductive Defects.” American Association of Occupational Medicine Plenary Lecture, San Antonio, TX, (Syllabus), October 2, 1999.
11. **Lamb DJ:** “Germ Cell Transplantation.” American Association of Reproductive Medicine, Toronto, ON, Canada, (Syllabus), September 1999.
12. **Lamb DJ, Cozzolino DJ:** “Gene Therapy American Association of Reproductive Medicine,” Toronto, ON, Canada, (Syllabus), September 1999.
13. **Lamb DJ:** “Immunologic Infertility.” American Association of Reproductive Medicine, Toronto, ON, Canada, (Syllabus), September 1999.
14. **Lamb DJ:** “Laboratory Evaluation of the Infertile Male: Current Strategies and a Look Towards the Future.” American Association of Reproductive Medicine, Toronto, ON, Canada, (Syllabus), September 1999.
15. **Lamb DJ:** “Computer-Assisted and Automated Techniques for Genetic Analysis.” American Association of Reproductive Medicine, Toronto, ON, Canada, (Syllabus), September 1999.
16. **Lamb DJ:** “Y Chromosome Microdeletions.” American Association of Reproductive Medicine, Toronto, ON, Canada, (Syllabus), September 1999.
17. **Lamb DJ, Cozzolino DJ:** “Basic Overview of Molecular Techniques.” American Association of Reproductive Medicine, Toronto, ON, Canada, (Syllabus), September 1999.
18. **Lamb DJ:** “A Look Towards the Future: New Technologies that May Influence Sperm Banking.” American Association of Tissue Banks, Miami, FL, (Syllabus), September 2000.
19. **Lamb DJ:** “Diagnosing Male Infertility in the New Genetics.” 8th Innovations in Urologic Practice, Santa Fe, NM (Syllabus), October 5-7, 2000.
20. **Lamb DJ:** “Male Infertility.” Sero Symposium on Reproductive Endocrinology, Washington, DC, January 2001.
21. **Lamb DJ, King SR:** “Libido.” American Society for Reproductive Medicine, Orlando, FL (Syllabus) October 20-24, 2001.
22. **Lamb DJ:** “Male Infertility and the New Genetics.” American Society for Reproductive Medicine, Orlando, FL (Syllabus), October 20-24, 2001.
23. **Lamb DJ:** “Round Spermatid Nucleus Injection (ROSNI) Should Not be Offered to Male Infertility Patients at This Time.” American Society for Reproductive Medicine, Orlando, FL (Syllabus), October 20-24, 2001.
24. **Lamb DJ:** “Libido.” 34th Annual Postgraduate Program, American Society for Reproductive Medicine, Orlando, FL, October 20-21, 2001.
25. **Lamb DJ:** “Primer on Molecular Biology Techniques in the Evaluation of Genetic Aberrations.” American Society for Reproductive Medicine, Male Reproductive Genetics and Toxicology – Nature and Nurture Postgraduate Course, Seattle, WA, October 12-13, 2002.

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28. **Lamb DJ:** “New Research Advances in Genetic Male Infertility – What Does the Future Hold?” American Society for Reproductive Medicine, Male Reproductive Genetics and Toxicology- Nature and Nurture Postgraduate Course, Seattle, WA, October 12-13, 2002.
29. **Lamb DL:** Postgraduate Course Co-Chair, Male Reproductive Genetics and Toxicology – Nature and Nurture, American Society for Reproductive Medicine, Developed in Cooperation with the Society for Male Reproduction and Urology, Seattle, WA, October 12, 2002.
30. **Lamb DJ:** “Tests of Sperm Function.” American Association of Bioanalysts (Syllabus), April 4-5, 2003.
31. **Lamb DJ:** “The Genetics of Male Infertility.” Pacific Coast Reproductive Society 53rd Annual Meeting (Syllabus), Indian Wells, CA, May 4-8, 2005.
32. **Lamb DJ:** “Stem Cells for Male Infertility: The Present and Future.” Pacific Coast Reproductive Society 53rd Annual Meeting (Syllabus), May 4-8, 2005.
33. **Lamb DJ:** “Tissue Engineering and Stem Cells in Urology.” Instructional Course. Annual Meeting of the American Urological Association (Syllabus). San Antonio Marriott River center Grand Ballroom, San Antonio, TX, May 23, 2005.
34. **Lamb DJ:** “Update on the Molecular/Biological Basis of Spermatotoxicity.” American Urological Association Annual Meeting presented at Society for the Study of Male Reproduction (SSMR) (Syllabus). May 21, 2005.
35. **Lamb DJ:** “Sperm Counts: Are they Falling?” American Society for Reproductive Medicine, Developed in Cooperation with the Society for Male Reproduction and Urology (Syllabus). Montreal, Quebec, Canada, October 2005.
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37. **Lamb DJ:** “Qualitative and Quantitative Analysis of Human Spermatozoa and Their Impact on Clinical Outcome.” 1st International Workshop on Current Techniques and Future Trends on Gamete and Embryo Manipulation (Syllabus). Istanbul, Turkey, March 2006.
38. **Lamb DJ.** “Male Infertility and ART: Possible Strategies to Minimize the Negative Outcome”. (Syllabus) 1st International Workshop of Current Techniques and Future Trends on Gamete and Embryo Manipulation. Istanbul, Turkey, March 2006.
39. Murthy L, **Lamb DJ:** “Sperm Function Tests.” Turkish Society of Andrology (Syllabus). Istanbul, Turkey. April 2006.

40. **Lamb DJ:** “State of the Art: Current and Future Applications of Testicular and Embryonic Stem Cells in Male Infertility.” Turkish Society of Andrology (Syllabus). Istanbul, Turkey, April 2006.
 41. **Lamb DJ:** “Laboratory Evaluation of the Infertile Male.” 15th Innovations in Urologic Practice, Santa Fe, NM, October 18-20, 2007.
 42. **Lamb DJ:** “Exploring the Molecular Basis of Male Infertility.” University of Kansas Medical Center Visiting Professor (Syllabus). Kansas City, KS, January 2008.
 43. **Lamb DJ:** “Male Reproductive Physiology” and “Sperm Function Testing.” American Association of Bioanalysts College of Reproductive Biology, Andrology and Embryology Review Course, Grapevine, TX, March 29-30, 2008.
 44. **Lamb DJ:** “Clinical Applications of Tissue Engineering and Stem Cells in Urology” Course Faculty Member, 2008 American Urological Association Annual Meeting, (Syllabus). Orlando, FL, May 18, 2008.
 44. **Lamb DJ:** “Update in Stem Cell Research in Male Infertility.” Symposium Update in Andrology and Eurasian Andrology Summit (Syllabus). Istanbul, Turkey, June 2008.
 45. **Lamb DJ:** “Laboratory Evaluation of the Male.” ESHRE/ASRM Pre-Congress Course 13 (Syllabus). Barcelona, Spain, July 2008.
 46. **Lamb DL:** “The New Genetics of Male Infertility.” International Reproductive Medicine Symposium (Syllabus). Cleveland, OH, Sept 2008.
 47. **Lamb DL:** “Stem Cells in Urology: The Technical Challenges and Their Promise for Future Therapies.” 16th Innovations in Urologic Practice (Syllabus). Santa Fe, NM, October 16-17, 2008.
 48. Brannigan RE, **Lamb DL**, Turek, PJ: “Unraveling the Mysteries of Spermatogenesis: Contemporary Therapies, Stem Cells and Beyond.” ASRM Annual Meeting, Postgraduate Course 12 (SMRU) (Syllabus). San Francisco, CA, Nov 2008.
7. **Other Works Communicating Research Results to General Public:**
1. “Science as a Career.” Wilson Elementary School, 1988-1990; Memorial Hall School, 1990; 1993; Langham Creek High School, 1998; Cypress Springs High School, 2000.
 2. “Gamete Micromanipulation to Overcome Male Infertility.” Infertility Network, Houston, TX, 1993.
 3. “Celebrity Reader in Science.” Carillo Elementary School, Houston Independent School District, 1995.
 4. Sidebar for: “Environmental Assault on the Male: Fact or Fiction?” Lipshultz LI, **Lamb DJ**, RESOLVE Newsletter, August 1995.
 5. “Hormone Imposters Spark Heated Debate.” Denver Post, Denver CO, March 1996.
 6. “Study Finds Way to Produce Sperm Cells in Other Species.” (**Lamb DJ** quoted in article) Gina Kolata: The New York Times, May 1996.

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8. "The Father Factor." American Society for Reproductive Medicine Conference: A documentary program for The Discovery Channel, Boston, MA, 1997.
9. "Study Finds Sperm Counts, Birth Rates Correlate; Dramatic Yearly Variability." Environmental Health Letter, February 1997.
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11. "The Quest for Answers: Advancing the Health Effects Debate." Chemical Week, February 1997.
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13. "Low Sperm Counts: The Untold Story." Health, July/August 1997.
14. "More Deformities in Baby Boys: Hypospadias increase may be linked to fertility drugs." Newsday (Nassau Edition), July 1997.
15. "Endocrine Disruptors." Minnesota Public Radio Press Conference, Endocrine Society Meeting, Minneapolis, MN, 1997.
16. "Declining Male Reproductive Health." Detroit Talk Radio, Detroit, MI, 1999.
17. "Endocrine Disruptors and Birth Defects; Male Infertility and Assisted Reproductive Techniques." Eyewitness News: Christy Meyers, May 1998.
18. "Update of Male Reproductive Health." Press Conference, Endocrine Society, Toronto, ON, Canada, June 2000.
19. "Male Infertility." Korean Broadcast System Documentary, August 2000.
20. "Human Cloning." *Time Magazine*, February 2001.
21. "Environmental Endocrine Disruptors." Chair, Press Conference, Endocrine Society 83rd Annual Meeting, Denver, CO, June 20, 2001.
22. ENDO 2001 Press Conferences: New Endocrine Therapies (Steroid Receptors). Media Advisory Committee, Endocrine Society 83rd Annual Meeting, Denver, CO, June 20-23, 2001.
23. "Fringe Cloning Venture Raises Troubling Issues; A reproduction specialist once accused of unethical behavior is helping to spearhead a team of foreign scientists on a crash research program to clone humans." (**Lamb DJ** quoted in article – Aaron Zitner, *The Los Angeles Times*, April 22, 2001.)
24. "Stem Cells." TV Interview on San Diego CBS affiliate (Channel 12), August 22, 2001.
25. Rubin R: Sperm shape, swimming ability prove to be better indicator of fertility. *USA Today* (**Lamb DJ** quoted in article), November, p 10D, 2001.

26. Zamora D: Sperm count: Not the whole story in male infertility. (**Lamb DJ** quoted in article.) *CBS Health Watch Newsletter*, by Medscape. Medscape Health, November 2001.
27. “The Cloning Wars.” (**Lamb DJ** quoted in article.) *Readers Digest* p 50, December 2001.
28. “Genetic Basis of Male Infertility: Implications for Assisted Reproductive Technologies” Press Conference (Istanbul, Turkey) CNN (Asia) Television, Turkish News, April 2002.
29. “Increased Incidence of Expanded Alleles of the DMPK Gene (Myotonic Dystrophy) Associated with Non-Obstructive Azoospermia (NOA): A New Concern for ICSI? (Maduro MR, **Lamb DJ**.) The Endocrine Society Press Conference, June 2002.
30. “What Does a Scientist Look Like?” University of Texas Graduate School of Biomedical Sciences Alumni Association Community Outreach: Sylvan Rodriguez Elementary (**Lamb DJ**, Chuang W), October 22, 2002.
31. “The New Genetics of Male Infertility in the Era of ICSI” Bruce Stewart Memorial Lecture. Newsletter of the Society for Male Reproduction and Urology (SMRU) Feature in Summer 2003.
32. “What Does a Scientist Look Like?” University of Texas Graduate School of Biomedical Sciences Alumni Association Community Outreach: Sylvan Rodriguez Elementary (**Lamb DJ**, Salas N) May 2003.
33. “Stem Cells: Promises and Concerns.” American Urological Association Newsmagazine, Vol 10/Issue 3, April/May 2005.

III. TEACHING INFORMATION

A. Didactic Course Work:

1. Courses Taught at BCM Within the Primary Department:

1. Summer Research Training Program (Cell Biology) – Program Director, 1985. (*Organized entire summer course for advanced college students.*)
2. Cell Biology Graduate Student Seminar in Reproductive Biology (Cell Biology Course #320-455), 1985. (*Mandatory attendance for all first- and second-year cell biology students. Assigned study topics; helped students prepare and critique their seminars.*)
3. Course Director, Medical School elective in Clinical and Basic Urologic Research (640-401) 2005-Present.

2. Courses Taught at BCM External to Primary Department:

1. University of Texas Graduate School of Biomedical Science Research Rotation - Candace Thrash, 1993. (*Laboratory supervision of third-quarter graduate student Ph.D. project.*)
2. Research in Urology (Medical Student Rotations).
3. Cell Biology Reading Rotation – Rebecca Prince and Trina Knotts, Fall 1993. (Cell Biology Course #320-548) (*Assigned 2-3 articles weekly for review with Dr. Lamb on male reproductive biology.*)

4. Cell Biology Graduate Student Seminar (Course #320-455) – First Quarter, 1994. (*Mandatory attendance for all first- and second-year cell biology students. Assigned study topics; helped students prepare and critique their seminars.*)
5. Cell Biology Laboratory Research, Rotation (Course #320-549), Brad Talcott, 1998. (*Gene Expression in the Testis.*)
6. Molecular and Cellular Biology Laboratory Research, Rotation (Course #320-549), Maria Rosa Maduro. (*Gene Expression in the Testis.*)
7. Molecular and Cellular Biology Laboratory Research Rotation (Course #320-549), Yinan Lin. (*Enrichment of Spermatogonial Stem Cells by Flow Cytometry.*)
8. Cell Biology Thesis Examination Committee, 1997-1998
9. Medical School Integrated Problem Solving Blocks I and II – Facilitated, 1997-1999, 2008-2010, Substitute 2002, 2007-2008.
10. Cell Biology Graduate Student Seminar (3rd Quarter) (Course #320-466), Winter 1998.
11. Cell Biology Standing Qualifying Examination Committee, 1998-2000, 2005-present.
12. **Lamb DJ**, McCullough L: Assisted Reproductive Technologies and Reproductive Decisions for Couples: Clinical Correlations in Reproduction (3 hours) (GIMNER). First-year medical students, 2001-2005.
13. Maria Rosa Maduro; Dissertation (#320-550), 2000-2004.
14. Gastrointestinal/Metabolism/Nutrition/Endocrine/Reproduction (GIMNER) Endocrine/Reproduction Module for first-year medical students) (6 hours), 2002-2008.
15. Molecular and Cellular Biology Laboratory Research Rotation (Course #320-549), Corey Spears (*DNA Repair Defects in Infertile Men*).
16. Molecular and Cellular Biology Laboratory Research Rotation (Course #320-549), Shuo Han and Albert Chen (*Leptin Regulation of Spermatogenesis/Neurosteroids and Sexual Motivation*).
17. Translational and Molecular Medicine Laboratory Research Rotation (Course), Elizabeth Salisbery (*Mismatch Repair and Male Infertility*).
18. Translational Biology and Molecular Medicine Qualifying Examination Committee, 2007-present.
19. Translational Biology and Molecular Medicine Steering Committee, 2007-present.
20. Reproductive Biology (Course #320-406). Baylor College of Medicine, Houston, TX, 2008.
21. Molecular and Cell Biology Course Frontiers in Reproductive Biology. **Lamb DJ**: Testes/Testis/Spermatogenesis and Male Reproduction. Department of Molecular and Cellular Biology, Baylor College of Medicine, Houston, TX, January 14, 2009.
22. Human Physiology II. Lamb DJ: Male Reproduction. 2008-2009 Human Physiology, Department of Physiology and Biophysics, Baylor College of Medicine, Houston, TX, January 2009.

23. Molecular and Cell Biology Course, Frontiers in Reproductive Biology. **Lamb DJ:** Testis/Spermatogenesis/Infertility, Genital Tract, February 4, 2009.
24. Molecular and Cell Biology Course, Frontiers in Reproductive Biology. **Lamb DJ:** Male Infertility, Genital Tract, February 11, 2009.
25. STaR Course. **Lamb DJ:** Testicular Stem Cells. BCM Graduate School, Baylor College of Medicine, Houston, TX, April 2008-2010.

3. **Courses Taught at Other Institutions While at BCM:** Not Applicable

B. **Curriculum Development Work:**

GastroIntestinal/Metabolism/Nutrition/Endocrine/Reproduction (GIMNER), 2003-2007

C. **Non-Didactic Teaching While at BCM:**

1. **Resident Training**

- a. Responsible for Urology Grand Rounds (3-6 times/year). *(30-minute research update to urology faculty, residents, and fellows.)*
- b. **Educational Programs:**
 1. Testis Biopsy Conference. *(Weekly or monthly review of testis pathology with Dr. Lipshultz, male infertility fellows, residents, and pathologist; teaching human spermatogenesis concepts.)*
 2. Laboratory for Male Reproductive Research and Testing Journal Club. *(Weekly review of two journal articles. Attended by Dr. Lamb's laboratory fellows, residents, clinical and research technicians.)*
 3. Laboratory for Male Reproductive Research and Testing Research Conference. *(Weekly in-depth review of one ongoing project in laboratory.)*
 4. Resident Laboratory Training: Jennifer M. Abidari (1993-1994). *(Dr. Abidari worked full-time in the laboratory on immediate early gene expression during normal and compensatory renal growth.)*
 5. Dino DeConcini (1995-1996). *(Dr. DeConcini worked full-time on androgen receptor mutations in prostate cancer metastatic to the bone.)*
 6. John T.B. Houston (1996-1997). *(Dr. Houston worked full-time on Y chromosome genes and male infertility.)*
 7. William W. Lin (1996-1997). *(Dr. Lin worked full-time on the molecular control of apoptosis in human testis.)*
 8. Michael Lewitton (1997-1998). *(Dr. Lewitton worked full-time on the molecular analysis of hox genes in cryptorchidism.)*
 9. Edward C. Schatte (1998-1999). *(Dr. Schatte worked full-time on a mouse model of asthenozoospermia, the VDAC3 mouse.)*

10. Rose Khavari, M.D., (2008-2009) (*Bio-MEMS Isolation of Normal and Rare Spermatozoa*). Present Position, Resident in Urology, Baylor College of Medicine.
11. John Weedin, M.D. (2009-2010) (*Cytogenetic Analysis of Men with Non-Obstructive Azoospermia*). Present Position, Resident in Urology, Baylor College of Medicine.
12. Julie Stewart, M.D. (2009-2010) (*Enhancement of Vitamin D Action in Human Prostate Cancer*) Present Position, Resident in Urology, Baylor College of Medicine.

2. **Clinical Fellow Training:**

Reproductive Endocrinology/OB/GYN Andrology Laboratory Rotation, 1991-1994

3. **Research Fellow Training:**

(All research fellows work closely with Dr. Lamb on their chosen project. They participate in the weekly Journal Club and Research Conference run by Dr. Lamb as well as specialty conferences [Testis Biopsy Conference, Pediatric Urology Conference, and Cell Biology Conferences]. The fellows meet weekly with Dr. Lamb to discuss their experiments, review new findings in the literature, and to be trained in scientific thinking. During their training period, they spend 80%-100% of their time studying under Dr. Lamb's direct supervision.

The terms of some of the fellowship awards stipulate that for some fellows, 20% of their time [i.e., 1 day per week] must be spent in the clinic or operating room with the M.D. sponsor.)

1. Jeffrey Buch, M.D., American Foundation for Urologic Disease Scholar (1986-1987). Present Position – Assistant Professor of Urology, University of Connecticut, Farmington School of Medicine. *(Full-time [80%] laboratory research on secretion of Sertoli cell secreted growth factor by human Sertoli cells.)*
2. Mark Sigman M.D., American Foundation for Urologic Disease Scholar (1987-1989). Present Position – Krishnamurthi Family Professor of Surgery (Urology) & Chief of Urology, Brown University School of Medicine. *(Full-time [80%] laboratory research on restriction fragment length polymorphism analysis of the TCP-1 gene in idiopathic male infertility.)*
3. Michael Coburn, M.D., American Foundation for Urologic Disease Scholar (1988-1990). Present Position – Interin Chair and Professor of Urology, Baylor College of Medicine. *(Full-time [80%] laboratory research on the development of a new immunochemical test for obstruction of the male genital tract using 2-D gel electrophoresis to identify proteins of the proximal genital tract in semen.)*
4. Glenn Weitzman, M.D., Reproductive Endocrinology Fellow (1988-1989). Present Position – Associate Professor of Obstetrics and Gynecology, University of Arkansas School of Medicine. *(Full-time [80%] laboratory research on alternative forms of the estrogen receptor in the uterus during the human menstrual cycle [i.e., 2-affinity forms, activation of a non-binding form of receptor].)*
5. Els Berns, Ph.D. (1988-1990). Present Position – Staff Scientist, Dr. Daniel den Hoed Cancer Center, The Netherlands. *(Full-time [100%] laboratory research on the role of acidic fibroblast growth factor in androgen regulated growth of DDT₁MF-2 cells.)*

6. Shubhada Sankararaman, Ph.D. (1989-1991). Present Position – Pool Scientist at the Indian Institute of Technology, Madras, India. *(Full-time [100%] laboratory research on the role of polyamines in the inhibition of DDT₁MF-2 cell growth by glucocorticoids; on the purification and characterization of Sertoli cell secreted growth factor; on the purification of activin and a GnRH-like peptide secreted by rat Sertoli cells in vitro.)*
7. Susan Marengo, Ph.D. (1989-1990). Present Position – Associate Professor of Urology, Cleveland Clinic, Cleveland, OH. *(Full-time [100%] laboratory research on the culture factors influencing androgen regulated growth of DDT₁MF-2 cells.)*
8. Liang Ming Lee, M.D. (1989-1990). Present Position – Faculty of the Division of Urology, Department of Surgery, Veterans General Hospital, Taipei, Taiwan, Republic of China. *(Full-time [100%] laboratory research on 2-dimensional gel analysis of sperm membrane proteins involved in capacitation and sperm binding to the zona pellucida.)*
9. Mohamed Salama, M.D., Egyptian Peace Scholar (1990-1991). Present Position – Medical Faculty of the Urology Department of Alexandria University, Alexandria, Egypt. *[Full-time [100%] laboratory research on 2-dimensional gel analysis of sperm membrane proteins involved in capacitation and sperm binding to the zona pellucida.)*
10. Julius Lynn Teague, M.D. (1990-1991). Present Position – Associate Professor of Urology, University of Missouri School of Medicine, Columbia, MO. *(Full-time [100%] laboratory research on analysis of androgen receptor function in hypospadias using foreskin fibroblasts and reporter gene transfection; analysis of the physiochemical characteristics of the androgen receptor in hypospadias.)*
11. Maurus Glinz M.D., Postdoctoral Fellow (1990-1992). Present Position – Staff of the Clinic for Urology at the University of Berne, Inselspital, Berne, Switzerland. *(Full-time [100%] laboratory research on purification of Sertoli cell secreted peptides; Sertoli cell culture.)*
12. Sang Kon Lee, M.D., Postdoctoral Fellow (1991-1992). Present Position – Staff of the Department of Urology, Sacred Heart Hospital College of Medicine, Hallym University, Chunchon, Dang Won-Do, Republic of Korea. *(Full-time [100%] laboratory research on the role of the low molecular weight substance which influences nucleoside transport secreted by cultured rat Sertoli cells.)*
13. Madelyn Holzman, M.D. (1991-1992). Pediatric Urology Fellow; Present Position – Private Practice, Brownsville, TX. *(Full-time [100%] laboratory research on the androgen receptor during mouse urogenital development using immunocytochemistry.)*
14. Craig S. Niederberger, M.D. (1991-1993). American Foundation for Urologic Disease Scholar, American Fertility Society/Serono Scholar; Present Position – Professor of Urology and Molecular PhysiologyEngineering, Director of Urology Residency Program , Head of the Department of Urology at The University of Illinois at Chicago Chief, Division of Andrology, University of Illinois at Chicago School of Medicine, Chicago, IL. *(Full-time [100%] laboratory research on the development of a method for in situ hybridization in testis; on the development of an artificial intelligence system for the prediction of fertility potential; on immediate early gene expression during spermatogenesis.)*
15. Se Joong Kim M.D. (1992-1993). Postdoctoral Fellow; Present Position – Assistant Professor of Urology, Sungdong-Ku, Seoul, Korea. *(Full-time [100%] laboratory research on the development of a method for in situ hybridization.)*

16. Patrick O'Hollaren, M.D. (1992-1993). Pediatric Urology Fellow; Present Position – Pediatric Urologist, Legacy Hospital, Portland, OR. *(Full-time [100%] laboratory research on immediate early gene expression during urogenital development.)*
17. Natan Bar-Chama, M.D. (1993-1994). Valentine Fellow (New York Academy of Medicine); Present Position – Associate Professor of Urology and Obstetrics and Gynecology, Mount Sinai Medical Center, New York, NY. *(Full-time [100%] laboratory research on electroejaculation of spinal cord injured men.)*
18. Semih Ozkan, M.D. (1993-1994). DeBakey Exchange Scholar (Turkey); Present Position – Associate Professor, University Hospital, Department of Urology, İnönü University, Arastirma Hastanesi, Malatya, Turkey. *(Full-time [100%] laboratory research on the development of a sperm-zona binding competition assay using vital dyes.)*
19. Joseph Hicks, M.D. (1993-1994). Pediatric Urology Fellow. Present Position – Private Practice, Huntsville, Alabama. *(Full-time [100%] laboratory research on immediate early gene expression during urogenital development in the mouse; polymerase chain reaction of the androgen receptor from the foreskin fibroblasts obtained from hypospadias repair.)*
20. Stefania Mariana, M.D. (1993-1994). Reproductive Endocrine Fellow (University of Rome School of Medicine). *(Full-time [100%] laboratory research on androgen receptor mutations in advanced prostate cancer using polymerase chain reaction and single-strand conformational polymorphism analysis.)*
21. Tatiana Sheiko, Ph.D. (1993-Present). American Foundation of Urologic Disease Scholar (Institute of Biochemistry, Russian Academy of Sciences); Currently in Dr. Joseph Byrant's Laboratory. *(Full-time [100%] laboratory research on analysis of the molecular mechanism of androgen regulation of immediate early gene expression, analysis of promoter regulatory regions by transfection of reporter gene constructs.)*
22. Marina Gvakharia, M.D., Ph.D. (1993-1997). Present Position – IVF Laboratory Director, San Jose, CA. Research Associate (Medical Academy of Georgia, Tbilisi, Georgia). *(Full-time [100%] laboratory research on the development of new tests for the diagnosis of sperm fertilizing capacity using the assisted reproductive techniques.)*
23. Richard W. Sutherland, M.D., Pediatric Urology Fellow (1994-1995). Present Position – Director, Pediatric Urology, Associate Professor of Urology, University of North Carolina, Chapel Hill, NC. *(Full-time [100%] laboratory research on androgen receptor mutations in hypospadias and on androgen receptor gene expression during urogenital development.)*
24. Adel Essen, M.D., DeBakey Exchange Scholar (Turkey) (1994-1995). Chairman of Urology, Izmir, Turkey *(Full-time [100%] laboratory research on androgen receptor mutations in advanced prostate cancer.)*
25. Benjamin Tripp, M.D., Canadian Kidney Foundation Fellow (1995-1997). Present Position – Private practice, Boca Raton, FL. *(Full-time laboratory research on male reproductive function of the progesterone receptor "knock-out" mouse.)*
26. Margaret Vereb, M.D., Infertility Fellow (1995-1996). Present Position – Assistant Professor of Urology, Lahey Clinic, MA. *(Full-time [80%] research on defining azoospermia Gensan human male infertility.)*
27. John S. Wiener, M.D., Pediatric Urology Fellow (1995-1996). Present Position – Section Head, Professor of Urology, Duke University School of Medicine. (Former Chairman of Urology,

- University of Mississippi School of Medicine) *(Full-time [100%] laboratory research on androgen receptor mutations and genitourinary development.)*
28. Thomas F. Kolon, M.D., Pediatric Urology Fellow (1996-1997). Present Position – Associate Professor, University of Pennsylvania School of Medicine. *(Full-time [100%] laboratory research on hox genes and genitourinary development.)*
 29. William Huang, M.D., Infertility Fellow (1997-1998). Vice chairman and Professor, Taipei Veterans General Hospital, Taipei, Taiwan. *(Full-time [100%] laboratory research on FISH analysis of chromosome non-disjunction in testicular pathologies.)*
 30. Edward D. Kim, M.D., AFUD Scholar (1997-1999). Present Position – Associate Professor of Urology, Department of Surgery/Division of Urology, University of Knoxville, Knoxville, TN. *(Full-time [100%] laboratory research on genetic defects in male infertility.)*
 31. Chang Os Kim, M.D., Urology Research Fellow (1999). *(Full-time [100%] involved in laboratory research on androgen receptor mutations in prostate cancer.)*
 32. David J. Cozzolino, M.D., AFUD Scholar (1999-2000). Present Position – Brandywine Urology Consultants, Wilmington, DE. *(Full-time [100%] laboratory research on germ cell transplantation and stem cells.)*
 33. Sergio G. Moreira, Jr., M.D., Infertility Fellow (1999). Present Position – Urology Resident, University of South Florida School of Medicine. *(Full-time [100%] involved in correlates of fertility in spinal cord injured men.)*
 34. Roberto Casella, M.D., Swiss Research Foundation and Roche Research Scholar (1999-2001). Assistant Professor of Urology, University of Bern, Switzerland. *(Full-time [100%] research on triplet disease transmission and genomic instability in male infertility.)* Present Position: Associate Professor.
 35. Rodrigo Pagani, M.D., Urology Research Fellow (2000-2001). Assistant Professor of Urology, University of São Paulo School of Medicine, São Paulo, Brazil. *(Full-time [100%] research on the purification and identification of testicular stem cells.)*
 36. Eric A. Jones, M.D., Pediatric Urology Fellow (2000-2001). Assistant Professor of Urology, Scott Department of Urology, Baylor College of Medicine. *(Full-time [100%] research involved in research on the genetic basis of VACTERL [VATER] syndrome and cryptorchidism.)* Present Position: Assistant Professor of Urology, Baylor College of Medicine.
 37. Steven King, Ph.D., NIDDK Postdoctoral Trainee (2000-present). *(Full-time [100%] involved in the regulation of neurosteroid production and libido.)* Present Position: Assistant Professor, Texas Tech University, Lubbock, TX.
 38. Victor M. “Trey” Brugh, III, M.D., AFUD Scholarship (2001-2002). *(Full-time [100%] involved in spermatogonial stem cell identification and transplantation.)* Present Position: Clinical Assistant Professor of Urology, Eastern Virginia School of Medicine, Norfolk, VA.
 39. Kirk C. Lo, M.D., AFUD Scholarship (2002-2004). *(Full-time [100%] research involved in the purification of spermatogonial stem cells.)* Present Position: Assistant Professor of Urology, University of Toronto School of Medicine.

40. Weber W. Chuang, M.D., 2002 NIH K12 Training Grant Fellow (2002-2003). (*Full-time [100%] research on the development of a male-mediated approach to the production of transgenic rats.*) Present Position: Private Practice.
41. Lixin Zhang, M.D., Ph.D., NIH T32 Training Grant Urology Research Fellow (2002-2005). (*Full-time [100%] research on androgen receptor mutations in advanced prostate cancer and their significance to tumor progression.*)
42. Laura Chelu, M.D., Urology Research Fellow (2002-2005). (*Full-time [100%] research on the safety and efficacy of intracytoplasmic sperm injection [ICSI].*) Present Position, Resident in OB/GYN, Baylor College of Medicine
43. Joan Blanco, Ph.D., Research Associate (2003-2004). (*Full-time [100% research] research on chromosomal genomic instability in non-obstructive azoospermia.*) Present Position: Assistant Professor, University of Barcelona School of Medicine.
44. Lei Chu,; Medical Student, Howard Hughes Medical Institute Research Training Fellowship, Baylor College of Medicine, Houston, TX. (2004-2005) (*Resistance to the toxic actions of alkylating agents is present in men with non-obstructive azoospermia*), Present Position: Resident in Urology, University of Pittsburg School of Medicine.
45. Joseph Alukal, M.D., Research Associate (2006-2008), American Urological Foundation Scholar (*Gherlin Regulation of Spermatogenesis, Non-Invasive Imaging of Spermatogenesis*), Present Position, Assistant Professor, New York University School of Medicine.
46. Nicolette Janzen, M.D., Pediatric Urology Fellow (2006-2007) (*Leydig Stem Cell Enrichment: A Nanotechnology Method*). Present Position, Assistant Professor of Urology, Baylor College of Medicine, Texas Children's Hospital.
47. Bobby Babcock Najari, M.D., 4th Year Medical Student on Research Tract (2006-2007) (*Expansion of Machado-Joseph Triplet Repeats in Severe Male Infertility*). Present Position, Resident in Urology, Weill Cornell Medical College.
48. Sean T. Corbett, M.D., Pediatric Urology Fellow (2007-2008) (Astellas Foundation USA Scholars, *Improved Detection of Chromosomal Anomalies in Gonadal Dysgenesis*). Present Position, Assistant Professor of Urology, University of Virginia.
49. Michael Hsieh, M.D., Ph.D., Pediatric Urology Fellow (2008-2009) (Astellas Foundation USA Scholars: *Definition of the Essential Genetic Alterations in Gonadal Dysgenesis*). Present Position, Research Fellow, Baylor College of Medicine.
50. Mounia Louet, Ph.D., Research Associate (2007-2009) (*Improving Diagnosis of Congenital Genitourinary Anomalies*). Present Position, Research Fellow, Baylor College of Medicine.
51. Rose Khavari, M.D., 4th Year Medical Student on Research Tract (2008-2010) (*Bio-MEMS Isolation of Normal and Rare Spermatozoa*). Present Position, Resident in Urology, Baylor College of Medicine.
52. Carolina Jorgez, Ph.D., Research Associate (2008-2010) (*Defining the Molecular Basis of Epispadias/Bladder Exstrophy*) Present Position, Research Scholar, Baylor College of Medicine.
53. Sarmistha Mukherjee, Ph.D., Research Associate (2008-2010) (*Mismatch Repair Protein Defects in Non-Obstructive Azoospermia*). Present Position, Research Fellow, Baylor College of Medicine.

54. Shaye Lewis, Ph.D., K12 KUR3 Scholar (2009-2010) (*Identification of De novo Copy Number Variants Associated with Human Cryptorchidism and Hypospadias*). Present Position, Research Scholar, Baylor College of Medicine.
 55. Carolyn H. Chi, MD, K12 Clinical Scientist Training Program (2009-2010), Pediatric Endocrinologist, Texas Children's Hospital, Assistant Professor of Pediatrics, Baylor College of Medicine, Houston, TX (*Fertility Preservation in Pre-pubertal Girls*), Present Position: Faculty at Baylor and Mentored Clinician Scientist.
 56. Jose Garcia, Assistant Professor of Medicine, Endocrinology, Baylor College of Medicine (2007-2010) (*Ghrelin Protection of the Testis to Cisplatin Damage*). Present Position: Faculty at Baylor and Mentored Clinician Scientist
 57. Aaron P. Bayne, M.D., Research Associate (2008-2010). Present Position, Research Fellow, Scott Department of Urology, Baylor College of Medicine.
 58. Kathleen Hwang, M.D., K12 KUR3 Scholar (2009-2011). Present Position, Research Scholar, Scott Department of Urology, Baylor College of Medicine.
4. **Graduate Student Training:** (As Above, As Major Advisor, Committee Member)
1. Off-Campus Doctoral Thesis Committee Member for Candidate Lei Chen, University of Texas Medical Branch at Galveston, Department of Human Biological Chemistry and Genetics. (1993-1995). (*Androgen Receptor Mutations in Hypospadias – Activation by Progesterone.*)
 2. Off-Campus Doctoral Thesis Committee Member for Candidate Victor MAK, M.D., University of Toronto (1995-1997). (*Cystic Fibrosis Gene Mutations in Congenital Bilateral Absence of the Vas Deferens.*)
 3. Doctoral Thesis Committee Member for Candidate Sarah Blatt, Baylor College of Medicine, Department of Cell Biology, (1995-1999). (*Regulation of Prostate Cell Growth by Vitamin D.*)
 4. Doctoral Thesis Committee Member for Candidate Trina Knotts, Baylor College of Medicine, Department of Cell Biology (1995-2001). (*Role of Phosphorylation of the Function of the Human Progesterone Receptor.*)
 5. Doctoral Thesis Committee Member for Candidate Mac Johnson, Baylor College of Medicine, Department of Cell Biology (1995-2001). (*Role of Androgen Regulation of Cadherin on Catenins.*)
 6. Doctoral Thesis Committee Member for Candidate Michael J. Girds, Baylor College of Medicine, Department of Cell Biology (1997-1999). (*Androgen Regulation of Prostate Function.*)
 7. Doctoral Thesis Committee Member for Candidate Tara Polk, Baylor College of Medicine, Department of Cell Biology (1997-2001). (*Molecular Basis Inhibition of Prostate Cancer Growth by Vitamin D.*)
 8. Doctoral Thesis Committee Member for Candidate Shalini Murthy, Baylor College of Medicine, Department of Cell Biology (1998-2002). (*Vitamin D Regulation of Prostate Growth.*)

9. Doctoral Thesis Committee Member for Candidate Jennifer Truxhorn, Department of Molecular and Cellular Biology (1998-2002). (*Growth Factor Regulation of Prostate Development and Function.*)
10. Doctoral Thesis Committee Member for Candidate Kevin Scholars, Department of Molecular and Cellular Biology, (2000-Present). (*Identification of the Ligand for the Type II Estrogen Receptor.*)
11. Off-Campus Doctoral Thesis Committee Member for Candidate, Joyce Lim Po I, University of Singapore, Department of Obstetrics and Gynecology (2002). (*Molecular Pathogenesis in Complete and Minimal Androgen Insensitivity Syndromes.*)
12. Doctoral Thesis Committee Member for Candidate Cindy Shirley, Department of Radiotherapy, M.D. Anderson Tumor Center, University of Texas Graduate School for Biomedical Sciences (1999-2003). (*Targeted Deletion of Non-Histone Basic Proteins During Spermatogenesis.*)
13. Doctoral Thesis Committee Member for Candidate Kevin Shoulars, Department of Molecular and Cellular Biology (2000-2006). (*Identification and Purification of the Ligand for the Type II Estrogen Receptor.*)
14. Doctoral Thesis Committee Member for Candidate Yi-Nan Lin, Department of Molecular and Cellular Biology (2002-2007). (*Targeted Deletion of Male Fertility Genes in the Mouse.*)
15. Doctoral Thesis Committee Member for Candidate Ashrumroy, Department of Molecular and Cellular Biology (2003-2007).
16. Doctoral Thesis Committee Member for Candidate Allison Fallander, Department of Molecular and Cellular Biology (2003-2005).
17. Doctoral Thesis Committee Member for Candidate Michael Greenbaum, Department of Molecular and Cellular Biology (2003-2007)
18. Doctoral Thesis Committee Member for Candidate Michele Washington, Department of Molecular and Cellular Biology (2006-Present) (*Vitamin D and Prostate Cancer.*)
19. Doctoral Thesis Committee Member for Shannon Griswold, Developmental Biology Program (2006-Present) (*Leydig cell progenitors.*)
20. Doctoral Thesis Committee Member for David A. Barron, Baylor College of Medicine.
21. Doctoral Thesis Committee Member for Roopa Naalam, Baylor College of Medicine.
22. Doctoral Thesis Committee Member for Heather Franco, Baylor College of Medicine.
23. Doctoral Thesis Committee Member for Kristi L. Hoffman, Department of Molecular and Cellular Biology, Baylor College of Medicine.
24. Doctoral Thesis Committee Member for Derek Steven O'Neil, M.D., Graduate Student, 1st Year, TBBM Program (2008-present).
25. Doctoral Thesis Committee Member for Corey Rubel, M.S., B.S., Present Position, Research Assistant, Department of Molecular and Cell Biology Baylor College of Medicine (2008-

present).

26. Doctoral Thesis Committee Member for Janielle Maynard, Translational Biology and Molecular Medicine, Interdepartmental Graduate Program (2009-present).
 27. Doctoral Thesis Committee Member for Michele Washington, Department of Molecular and Cellular Biology, Baylor College of Medicine (2009-present).
5. **Doctoral Thesis Advisor:**
1. Doctoral Thesis Advisor for Maria Rosa Maduro (Course #320-550), Baylor College of Medicine, Department of Molecular and Cellular Biology, (1999-2004). (*The Molecular Basis of Genomic Instability in Male Infertility.*)
 2. Doctoral Thesis Advisor for Shannon Whirledge (Course #320-550), Baylor College of Medicine, Department of Molecular and Cellular Biology, July 2004-2009. (*Ghrelin and Leptin Interplay in the Testis.*)
 3. Doctoral Thesis Advisor for Francesca Gordon (Course #320-550), Baylor College of Medicine, Department of Molecular and Cellular Biology, August 2004-2007. (*Neurodegenerative Disease in Infertile Men.*)
 4. Doctoral Thesis Advisor for Shuo Han (Course #320-550), Baylor College of Medicine, Department of Molecular and Cellular Biology, May 2007-present.
 5. Doctoral Thesis Advisor for Alex Ridgeway (Course #320-550), Baylor College of Medicine, Department of Molecular and Cellular Biology, June 2010-present.
6. **Medical Student Mentoring:**
- SMART and Summer Students. (*Each SMART student in Dr. Lamb's laboratory participates in a series of readings with Dr. Lamb, the Research Conference, and Journal Club, as well as laboratory experience.*)
1. Cheryl Gonzales, 1988-1989; University of Texas School of Medicine at San Antonio, V.A. Hospital – Psychology and Internal Medicine, San Antonio, TX.
 2. Suki Chandra (SMART Program 1989); New York University, New York, NY.
 3. Nancy Williamson, 1990; Baylor College of Medicine, Houston, TX.
 4. Ramie Kalish (SMART Program 1991); University of Texas Medical School, Houston, TX.
 5. Steven Maislos (SMART Program 1992); University of Illinois at Chicago School of Medicine, Urology Residency.
 6. Jamie Brandsma (SMART Program 1992); University of Georgia School of Medicine, Augusta, GA.
 7. Cynthia Furlong (SMART Program 1993); Louisiana Tech University, LA (*U.S. News Top 20 Students of the Year, 1993.*)

8. Daniel Venanske, 1995; American Cancer Society Student Trainee, Medical Student at Baylor College of Medicine, Houston, TX.
9. Carolyn Sufrin (SMART Program 1996); Johns Hopkins School of Medicine, Baltimore, MD.
10. Aarti Shah (SMART Program 1997; University of Houston School of Pharmacy, Houston, TX.
11. Theresa Nell (SMART Program 1997); Southwest Missouri State University, Springfield, MO.
12. Melissa Smith (SMART Program 1998); Louisiana State University, LA.
13. Jenny Yiee (SMART Program 1999); Yale University School of Medicine, New Haven, CT.
14. Anthony Joseph Herrera (SMART Program 2000); Harvard University, Cambridge, MA.
15. Sharon P. Fernandez, 2000; Honors Premedical Academy, Baylor College of Medicine/Rice University, Houston, TX.
16. Gretchen Wischweh (SMART Program 2001); NIH Trainee.
17. James D. Wolf, May 21–June 30, 2001; Medical student elective.
18. Latonia Botley, June–August 2001; Honors Premedical Academy, Baylor College of Medicine/Rice University.
19. Erica Herndon (SMART Program 2002); Xavier University, New Orleans, LA.
20. Nureen Haq, 2002; Summer Research for High School Students.
21. Leslie M. Pickett (SMART Program 2003; Endocrine Society Summer Fellowship, 2003); Honors Premedical Academy 2002, Baylor College of Medicine/Rice University, Houston, TX.
22. Rukayat Adelagun (SMART Program 2003); Baylor College of Medicine, Houston, TX.
23. Yi-Nan Lin, 2003; Molecular and Cellular Biology, Baylor College of Medicine, Houston, TX.
24. Allison Fallander, 2003; Molecular and Cellular Biology, Baylor College of Medicine, Houston, TX.
25. Angshumoy Roy, 2003; Molecular and Human Genetics, Baylor College of Medicine, Houston, TX.
26. Heather Aguirre, June 2004; Honors Premedical Academy Preceptorship, University of Texas at Austin, Austin, TX.
27. Emily Deanna Salman, June 8 – August 6, 2004 (SMART Program 2004); Mercer University, Atlanta, GA.
28. Peggy Lyons, June 1-August 1, 2005 (SMART Program 2005); University of Texas at Tyler.
29. Ashley Phillips, June 3, 2005 – August 1, 2005 (SMART Program 2005) Wiley College, Marshall, TX.
30. Yifan Xu, June 2006-August 2006 (SMART Program 2006) Duke University, NC.

31. Ernesto Lopez (Summer High School Student and Teacher Training Program (2006).
32. Angelica Gonzales (Summer High School Student and Teacher Training Program (2006).
33. Charlotte Brittany Tiner June 2007-August 2007 (SMART Program 2007), Texas A&M University, College Station, TX.
34. Johnson C. Uzor, June 2007-August 2007 (SMART Program 2007), Prairie View A&M University, Prairie View, TX.
35. Cynthia Reyne (Summer High School Student and Teacher Training Program 2007).
36. Tracy Ake (Summer High School Student and Teacher Training Program 2007).
37. Arica Babineaux (SMART Program 2008), Prairie View A&M University.
38. Emily Rutledge (SMART Program 2008), University of Texas at Austin.
39. Matthew Glover (SMART Program 2009), University of Texas at Austin.
40. Yetunde Olusanya (SMART Program 2009), Prairie View A&M University.

D. Lectures:

1. International:

1. "Reproductive Rescue of Male Infertility in the Mouse Using Gamete Micromanipulation." International Meeting on Basic and Clinical Aspects of Human Reproduction. Cartagena, Columbia, South America, November 1992.
2. "Growth Factors and Spermatogenesis." International Meeting on Basic and Clinical Aspects of Human Reproduction. Cartagena, Columbia, South America, November 1992.
3. "Genetic Aspects of Male Infertility." International Meeting on Human Reproduction. São Paulo, Brazil, South America, April 1996.
4. "Hormonal Disruptors and Male Infertility: Are Men at Serious Risk?" International Society for Regulatory Toxicology and Pharmacology. Raleigh, NC, January 1997.
5. Smithsonian, WHO, UN Sponsored International Workshop on Endocrine Disruptors. Washington, DC, January 23-24, 1997.
6. "Endocrine Disruptors and Male Infertility." World Chlorine Conference. Washington, DC, September 22, 1998.
7. "Overview of Current Issues in Male Reproductive Health." World Chlorine Chemistry Council's Science Research Forum. Washington, DC, September 1998.
8. "Male Infertility Panel: Role of the Y Chromosome." American Urological Association. San Diego, CA, May 4, 1999.

9. "Androgen Receptor Mutations in Advanced Prostate Cancer." European Society of Oncology, Urology and Endocrinology. Paris, France, October 1999.
10. "Endocrine Disruptors and Male Infertility." International Congress of Endocrinology. , Sydney, Australia, October 30, 2000.
11. "Male Infertility and the New Genetics." American Society for Reproductive Medicine. Orlando, FL, October 20-21, 2001.
12. "Genetic Screening and ICSI." 58th Annual Meeting of the American Society for Reproductive Medicine. Orlando, FL, October 15, 2002.
13. "Semen Analysis in the 21st Century: What Does the Future Hold?" 59th Annual Meeting of the American Society for Reproductive Medicine. Seattle, WA, October, 15, 2002.
14. "Genetic Basis of Male Infertility" and "Causes of Male Reproductive Failure." New Approaches in the Diagnosis and Treatment of Male Infertility. Istanbul, Turkey, April 20, 2002.
15. "New Genetics of Male Infertility in the Era of ICSI." Bruce Stewart Memorial Lecture. OSociety for Male Reproductive Urology. San Antonio, TX, 2003.
16. "Stem Cell Technology for Male Infertility Treatment." Chair for Workshop. ASRM Society for the Study of Male Reproduction. Philadelphia, PA, October 20, 2004.
17. "Stem Cell in the Treatment of Male Infertility." Turkish Society of Andrology. Izmir, Turkey, June 10, 2005.
18. "Genes and Male Infertility." Turkish Society of Andrology. Izmir, Turkey, June 10, 2005.
19. "Evaluation of Sperm Function Tests in the Era of ICSI." Turkish Society of Andrology. Izmir, Turkey, June 11, 2005.
20. "Qualitative and Quantitative Analysis of Human Spermatozoa and Their Impact on Clinical Outcome" and "Male Infertility and ART: Possible Strategies to Minimize the Negative Outcome." 1st International Workshop on Current Techniques and Future Trends on Gamete and Embryo Manipulation. Istanbul, Turkey, March 4-5, 2006.
21. "Sperm Function Tests." Turkish Society of Andrology. Istanbul, Turkey April 2006.
22. "State of the Art: Current and Future Applications of Testicular and Embryonic Stem Cells in Male Infertility." Turkish Society of Andrology. Istanbul, Turkey April 2006.
23. "Advanced Sperm Function Tests in the Era of ICSI," "Methods to Detect Sperm Aneuploidy," and "Sperm-DNA Integrity Tests and its Relationship with Infertility." National Andrology Congress. Ankara, Turkey, June 4-11, 2007.
25. "Stem Cells for the Treatment of Male Infertility: Promises and Concerns" and "Genetics of Male Infertility and the Implications for ICSI: i.e. Safety of ICSI-More from Research and Some Clinical Information." Annual Meeting of the Taiwan Urological Association and Grand Rounds, Department of Urology, Taipei Veterans Hospital, Taipei, Taiwan, August 21-30, 2007.

26. “DNA Replication and Repair in Male Infertility” Florence-Utah: International Symposium Genetics of Male Infertility. Florence, Italy, September 12-19, 2007.
27. “Update in Stem Cell Research in Male Infertility” and Panel: “Advances in the Genetics of Male Infertility.” Turkish Society of Andrology Symposium Update in Andrology and Eurasian Andrology Summit, Istanbul, Turkey, June 1-9, 2008.
28. “Laboratory Evaluation of the Infertile Male.” ESHRE/ASRM Pre-Congress Course 13, ESHRE Annual Meeting, Barcelona, Spain, July 6, 2008.

2. **National:**

1. “Tests of Sperm Function: Tru-Trax, Penetrak and the Sperm Capacitation Index – When are they Indicated? What do the Results Mean?” Endocrine Forum, American Urological Association, Annual Meeting. New Orleans, LA, May 1990.
2. “Growth Factors in the Testis.” American Academy of Pediatrics Annual Meeting. San Francisco, CA, October 1992.
3. “Genes Involved in Spermatogenesis and Fertility.” American Urological Association, Molecular Approaches to Urologic Diseases,. August 1992.
4. Director – Molecular Studies of Fertility and Spermatogenesis Session. American Urological Association, Molecular Approaches to Urologic Diseases Workshop (Attendance by Invitation Only). Houston, TX, August 1992.
5. “Rat Sertoli Cell Secretions Influence Nucleoside Biosynthetic Pathways *In Vitro*.” American Fertility Society, 48th Annual Meeting. Male Reproduction/Urology Prize Paper, Plenary Session, 1992.
6. “Genetic Basis for Male Reproductive Disorders.” American Fertility Society. San Antonio, TX, 1994.
7. “Animal Models that Mimic Human Male Reproductive Defects.” American Urological Association, Office of Continuing Education. Houston, TX, 1994.
8. “Androgen Receptor Mutations in Advanced Prostate Cancer.” CaP Cure Research Retreat, Santa Barbara, CA, 1995.
9. “Androgen Receptor Mutations in Advanced Prostate Cancer.” American Urological Association, Endocrine Forum. Orlando, FL, May 5, 1996.
10. “Environmental Estrogens and Male Infertility: Are Men at Serious Risk?” Women’s Health Initiative. Washington, DC, June 1996.
11. “Androgen Receptor Mutations and How They Affect Receptor Function.” National Institutes of Health, NICHD. Bethesda, MD, July 1996.
12. Endocrine Disruptor Workshop, Stakeholder Presentation, Environmental Protection Agency. Washington, DC, 1996.
13. “Androgen Receptor Mutations in Advanced Prostate Cancer.” CaP Cure Scientific Retreat. , Lake Tahoe, NV, 1996.

14. "Genetics of Male Infertility." Society for the Study of Male Reproduction, American Urological Society. New Orleans, LA, 1997.
15. "Is ICSI Safe?" National Institutes of Child Health and NABER Consensus Conference on ICSI and Ethics. June 20-21, 1997.
16. "Does ICSI Transmit Dominant Genetic Disease? What Should We Do? The Debate Continues." American Society for Reproductive Medicine. Cincinnati, OH, 1997.
17. "Male Reproductive Effects and Mechanisms of Action." NIEHS Conference on Estrogens in the Environment. Arlington, VA, 1997.
18. "Molecular Changes Involved in Progression of Hormone-Dependent Prostate Cancer." Gordon Research Conference on Hormonal Changes. Tilton, NH, 1997.
19. "Hormonal Disruptors and Male Infertility: Are Men at Serious Risk?" International Society for Regulatory Toxicology and Pharmacology. Raleigh, NC, January 1997.
20. "Is ICSI a Genetic Time Bomb? Yes." The Pharmacia Upjohn Clinical Debate, American Society of Andrology. San Diego, CA, March 1998.
21. "Endocrine Disruptors." Society for the Study of Male Reproduction, American Urological Association. May 30, 1998.
22. "Genetic Control of Sexual Differentiation." American Society of Andrology. Long Beach, CA, 1998.
23. "Overview of Current Issues in Male Reproductive Health." World Chlorine Chemistry Council's Science Research Forum. Washington, DC, September 1998.
24. Smithsonian, WHO, UN Sponsored International Workshop on Endocrine Disruptors. Washington, DC, January 23-24, 1997.
24. "Endocrine Disruptors and Male Infertility." World Chlorine Conference. Washington, DC, September 22, 1998.
25. "Male Infertility Panel: Role of the Y Chromosome." American Urological Association. San Diego, CA, May 4, 1999.
26. "A Look Towards the Future: New Technologies that May Influence Sperm Banking." American Association of Tissue Banks. Miami, FL, September 2000.
27. "Male Infertility and the New Genetics." American Society for Reproductive Medicine. Orlando, FL, October 20-21, 2001.
28. "Update on Male Infertility." Sero Symposia. Washington, DC, March 29-31, 2001.
29. "Microassisted Fertilization and Genetic Defects." Reproductive Genetics Genomics and Functional Proteomics. Boston, MA, June 28 – July 1, 2001.
30. NICHD Reproductive Genetics Genomes and Functional Proteomics, Chairman. Boston, MA, June 28 – July 1, 2001.

31. "Genetic Basis of Male Infertility." *Frontiers in Reproduction*. Woods Hole, MA, June 27, 2001.
32. "Genetic Basis of Male Infertility." American Association of Bioanalysts. Waikoloa, HI, August 3-7, 2001.
33. "Challenges and Strategies in Assisted Reproductive Technology." 2001: An ART Odyssey. Waikoloa, HI, August 4-7, 2001.
34. "New Technologies: Freeze Dried Sperm, Spermatogonial Stem Cell Transplantation and Cloning." American Urological Association, Office of Continuing Education: Molecular Approaches to Therapy in Urologic Disease. Houston, TX, August 10-12, 2001.
35. "Aging, Fertility and Contraception." Panel Discussion, 57th Annual Meeting of the ASRM. Orlando, FL, October 20-25, 2001.
36. "Regenerative Stem Cells and Male Infertility." NIH Conference on Apoptosis in the Male Reproductive System. Bethesda, MD, March 21-22, 2002.
37. "The Genetics of Male Infertility." American Urological Association, Plenary Speaker. Orlando, FL, May 29, 2002.
38. "Types of Abnormalities in ART: Consent/Follow-up Issues. Evidenced Based Assisted Reproductive Technologies." Sponsored by the National Institute of Child Health and Human Development, National Institutes of Health, The Food and Drug Administration and the Centers for Disease Control. September 18-19, 2002.
39. "Genetic Screening and ICSI." 58th Annual Meeting of the American Society for Reproductive Medicine. Orlando, FL, October 15, 2002.
40. "Semen Analysis in the 21st Century: What Does the Future Hold?" 59th Annual Meeting of the American Society for Reproductive Medicine. Seattle, WA, October, 15, 2002.
41. "New Genetics of Male Infertility in the Era of ICSI." Bruce Stewart Memorial Lecture. Society for Male Reproductive Urology. San Antonio, TX, 2003.
42. "Exploring the Genetic Basis of Male Infertility." American Association of Clinical Medical Geneticists. San Diego, CA, March 16, 2003.
43. "Tests of Sperm Function" and "Genetic Causes of Male and Female Infertility." American Association of Bioanalysts Board Review, Chicago, IL, April 4-5, 2003.
44. "Male Fertility: A View from the Clinical Andrology Laboratory." Society for the Study of Reproduction, Cincinnati, OH, July 19-22, 2003.
45. "Male Fertility: A View from the Clinical Andrology Laboratory." Society for the Study of Reproduction Annual Meeting, July 21, 2003.
46. "Prostate Growth in Benign and Malignant Diseases." Chair, Session on Prostate and Growth Control. American Urological Association/SBUR Summer Research Conference, Houston, TX, August 1-3, 2003.
47. "Androgen Receptor Polymorphisms in Health and Disease." Workshop on Steroid Hormones and Brain Function. Breckenridge, CO, March 29, 2004.

48. "Case Studies in Male Infertility: Azoospermic Men." Plenary Panel, American Urological Association Annual Meeting. Philadelphia, PA, May 2004.
49. "Normal Testicular Development." Presented at Survivors of Childhood Cancer, William Guy Forbeck Research Foundation. Chatham/Cape Cod, MA, September 30 – October 3, 2004.
50. "New Genetics of Male Infertility in the Era of ICSI." Future of Male Contraception. National Institutes of Health, Seattle, WA, September 30, 2004.
51. "Workshop on Stem Cell Technology for Male Infertility." Chair, Society for the Study of Male Reproduction. Philadelphia, PA, October 16-20, 2004
52. "Stem Cell Technology for Male Infertility Treatment." Chair for Workshop. ASRM Society for the Study of Male Reproduction. Philadelphia, PA, October 20, 2004.
53. "There Are Significant Risks to the Offspring Conceived by ART." Lamb DJ (Pro), Schlegel PN Debate Session, American Society of Andrology 30th Annual Meeting. April 2-5, 2005.
54. "The Genetics of Male Infertility," Plenary Lecture and Scientific Session IV: "Stem Cells for Male Infertility: The Present and Future" and "Andropause: Baby Boomers Beware." Pacific Coast Reproductive Society 53rd Annual Meeting. "Creating the Future: The Science and Art." Indian Wells, CA,. May 5-7, 2005.
55. "Animal Models of Prostate Cancer." American Institute for Cancer Research Annual Meeting. May 13, 2005.
56. "Case Studies in Male Infertility: Azoospermic Men." Panel Discussion, Plenary Session II, 99th Annual American Urological Association. San Francisco, CA, May 10, 2004.
57. "Concerns for Infertile Men and Their Children Conceived by ICSI." Endocrine Society Annual Meeting. San Diego, CA, June 4-7, 2005.
58. Lamb DJ, Schlegel P: There are significant increased risks in the offspring after ART. Debate (Yes). American Society of Andrology. Seattle, WA, April 2-6, 2005.
59. "Male Infertility Treatment and Pregnancy Outcomes." NICHD Workshop: Infertility Treatment and Adverse Pregnancy Outcomes. Bethesda, MD, September 12-13, 2005.
60. "Emodin: A Potent Inhibitor of Prostate Cancer Cell Growth." The Prostate Cancer Foundation. Scottsdale, AZ, September 29, 2005.
61. "Genomic Instability" and Program Co-Chair Moderator. The Utah Symposium on the Genetics of Male Infertility, University of Utah School of Medicine, Department of Ob/Gyn, Salt Lake City, UT, January 26-28, 2006.
62. "Stem Cells and Fertility." Fall 2006 SBUR Meeting, Phoenix, AZ, November 16-19, 2006.
63. "Quantitative and Qualitative Analysis of Semen and Impact on Clinical Outcome." Grand Rounds Wake Forest University School of Medicine, Department of Obstetrics and Gynecology, Winston-Salem, NC, February 12, 2007.
64. "How Do We Identify, Nurture, and Develop Young Scientists and Surgeon-Scientists?" AUA Research Task Force Meeting, Baltimore, MD, January 21, 2007.

65. “Male Reproductive Physiology” and “Sperm Function Testing.” American Association of Bioanalysts College of Reproductive Biology Andrology and Embryology Review Course, Grapevine, TX, March 29-30, 2008.
 66. “The Implications of Male Factor Genetics for the Andrology and Embryology Laboratories” and “Using Genomics to Improve the Prospects for Future Male Factor Patients.” AAB 2008 Annual Meeting and Educational Conference and CRB 12th Annual Symposium: Infertility Laboratories Today-The Complete Package, Las Vegas, NV, May 16, 2008.
 67. “Ghrelin and Leptin Interplay in the Testis.” Texas Forum for Reproductive Sciences, 15th Annual Meeting, April 16, 2009.
 68. “Genetics of Male Infertility: Diagnosis and a Look Towards the Future” and “Genomics of Male Infertility.” 4th Challenges and Strategies in Assisted Reproductive Technology, College of Reproductive Biology (CRB), American Association of Bioanalysts, Kona, HI, January 24-27, 2009.
 69. Planning Committee and Session Facilitator: “MD and PhD Recruitment into Urological Research. Urology 2.0: Advancing Urology Research Workshop. Bethesda, MD, July 14-15, 2009.
 70. “Chromosome Abnormalities in Congenital Genitourinary Defects Revealed by Comparative Genomic Hybridization Array.” 59th Annual Meeting of the American Society of Human Genetics, Honolulu, HI, October 20-24, 2009.
 71. “Array CGH Studies and Male Infertility.” 4th International Symposium on the Genetics of Male Infertility. Salt Lake City, UT, February 4-6, 2010.
 72. “Children of Assisted Reproductive Technologies: Their Health and New Genetic Issues” and “Concerns for Offspring of Infertile Men Conceived by Intracytoplasmic Sperm Injection.” American Association for the Advancement of Science (AAAS) Annual Meeting, San Diego, CA, February 18-22, 2010.
 73. “Genetics/Epigenetics – Towards a Personalized Solution for Infertility.” Beyond the Event Horizon – Where Are We Going with Male Infertility? Society for the Study of Male Reproduction (SSMR), San Francisco, CA, June 1, 2010.
 74. “Semen analysis – Is there a definable normal range?” Point-Counterpoint Debater, AUA 2011 Annual Meeting Plenary Program, Washington, DC, May 15, 2011.
3. **Regional:**
1. “Sertoli Cell Secreted Growth Factor.” Advances in Reproductive Medicine and Surgery, Postgraduate Course. February 1990.
 2. “The Use of Artificial Intelligence for Predicting Clinical Outcomes in Urology.” Texas Association of Genitourinary Surgeons. Houston, TX, April 1994.
 3. “Male Infertility Panel.” Innovations in Urologic Practice, Postgraduate Course. Houston, TX, February 1996.
 4. “Are Sperm Counts Declining? The Debate Continues.” Annual Innovations in Urologic Practice, Postgraduate Course. Houston, TX, January 31 – February 2, 1997.

5. "Endocrine Disruptors and Male Infertility: Are Men at Serious Risk?" Wichita State University Life Sciences Forum, Wichita, KS, March 1998.
 6. "Diagnosing Male Infertility: The New Genetics." 8th Innovations in Urologic Practice. Santa Fe, NM, October 5-7, 2000.
 7. "New Technologies That May Alter Sperm Banking in the Future." California Reproductive Endocrine Society, San Diego, CA, August 22, 2001.
 8. "Molecular Basis of Male Infertility." The 24th Annual Fall Symposium, Department of Obstetrics and Gynecology and Women's Health, Albert Einstein College of Medicine-Montefiore Medical Center, The Sixth World Congress of the International Association of Private Assisted Reproductive Technology Clinics and Laboratories (APART).
 9. "The Promise and Perils of Reproductive Science and Regenerative Medicine"-Implications of Assisted Reproductive Technologies (ART) and Stem Cell Biology for Obstetrician-Gynecologists and other Reproductive Healthcare Providers, New York, NY, November 11-13, 2005.
 10. "Fundamentals of Human Genetics." Genetics Workshop, The University of Kentucky College of Health Sciences. Lexington, KY, March 7, 2006.
 11. "Laboratory Medicine of the Infertile Male." 15th Innovations in Urologic Practice, Santa Fe, NM, October 20, 2007.
 12. "Concerns for Infertile Men and Their Children Conceived by ICSI." Keynote Speaker, Texas Forum for Reproductive Sciences (TFRS) 14th Annual Meeting, April 18, 2008.
 13. "Concerns for Infertile Men and Their Children Conceived by ICSI." International Reproductive Medicine Symposium, Cleveland, OH, September 5-6, 2008.
 14. "Stem Cells in Urology: The Technical Challenges and Their Promise for Future Therapies." 16th Innovations in Urologic Practice, Santa Fe, NM, October 16-17, 2008.
 15. "Update on The Genetics of Infertility" and "Laboratory Evaluation of the Infertile Male." 60th Annual Meeting of the Puerto Rico Urological Association, San Juan, Puerto Rico, October 8, 2009.
 16. "Laboratory Evaluation of the Infertile Male." 17th Innovations in Urologic Practice, Houston, TX, October 2-3, 2009.
 17. "Chromosome Abnormalities in Congenital Genitourinary Defects Revealed in Comparative Genomic Hybridization Assay." 59th Annual Meeting of the American Society of Human Genetics, Honolulu, HI, October 20-24, 2009.
4. **Local:**
1. "Research Tools for the Molecular Endocrinologist." Duchesne Academy, Houston, TX, March 1998.
 2. "Male Infertility." Endocrine Grand Rounds, Baylor College of Medicine, Houston, TX, October 3, 2002.

3. “Genetic Causes of Human Male Infertility: A Risk for Children Conceived by ICSI.” The University of Texas Seminars in Reproductive Biology, M.D. Anderson Cancer Center. Houston, TX, September 14, 2004.
4. “Genetic Risk with Intracytoplasmic Sperm Injection (ICSI).” Building Interdisciplinary Research Careers in Women’s Health (BIRCWH), Baylor College of Medicine. Houston, TX, April 13, 2004.
5. “Prevention and Treatment of Male Infertility.” Parenthood After Cancer Follow-up Consensus Meeting, Work Group for Research Priorities, U.T. M.D. Anderson Cancer Center. Houston, TX, April 15-16, 2005.
6. “Informing Patients about Sperm-Banking and Spermatogonia Cryopreservation.” Work Group 2 at U.T. M.D. Anderson Cancer Center, Houston, TX, April 15-16, 2005.
7. “Concerns for Infertile Men and Their Children Conceived by ICSI.” Plenary Speaker-Keynote Lecture II. Platform Session II “Ghrelin Prevents Cisplatin-Induced Cachexia and Testicular Damage” and “Chromosome Microarray Analysis Improves Diagnosis of Congenital Genitourinary Defects and Offers Potential for New Gene Discovery.” 14th Annual Meeting of the Texas Forum for Reproductive Sciences, The Institute of Biosciences and Technology (IBT), Texas A&M University Health Science Center, Houston, TX, April 17-18, 2008.
8. “Diagnosis of Genetics in Male Infertility.” Grand Rounds, University of Texas, February 19, 2009.
9. “Ghrelin and Leptin Interplay in the Testis.” Texas Forum for Reproductive Sciences, 15th Annual Meeting, Institute of Biosciences and Technology, Texas A&M Health Science Center, April 2009.
10. “Academic Careers.” Career Fair, The University of Texas Graduate School of Biomedical Sciences Alumni Association. Houston, TX, May 30, 2009.
11. “When the Quest for Truth Falts: The Issue of Research Misconduct.” Grand Rounds, Scott Department of Urology, Baylor College of Medicine, Houston, TX, August 12, 2009.
12. “Genetics and Infertility.” 18th Innovations in Urologic Practice, Houston, TX, October 15-16, 2010

E. Visiting Professorships:

1. University of Texas, M.D. Anderson Tumor Center, Department of Urology, Houston, TX, 1990. “Growth Factors and Oncogenes in Genitourinary Tumors” and “Steroid Regulated Growth of Male Reproductive Tumors.”
2. Mount Sinai School of Medicine, Department of Urology, New York, NY, 1994. “Growth Factors, Oncogenes, and Testicular Development and Function.”
3. University of Iowa School of Medicine, Department of Urology, Iowa City, IA, 1996. “Reproductive Rescue of Human Male Infertility Using Gamete Micromanipulation.” and “Androgen Receptor Mutations in Advanced Prostate Cancer.”
4. Sloan-Kettering Cancer Center, Department of Urology, Genitourinary/Head and Neck Oncology Service Research Conference, New York, NY, 1996. “Androgen Receptor Mutations in Advanced Prostate Cancer.”

5. National Institute of Environmental Health Science, Raleigh, NC, May 11, 1998. “Endocrine Disruptors and Male Infertility” and “Progesterone Receptor Knockout Mouse and the Non-Genomic Sperm Membrane Receptor.”
6. University of South Florida, Department of Pathology, Tampa, FL, November 1999. “Androgen Receptor Mutations in Advanced Prostate Cancer.”
7. University of Hawaii, School of Medicine, Honolulu, HI, August 7, 2001. “Microassisted Fertilization and Genetic Defects.”
8. The Population Council, Rockefeller University, New York, NY, 2002. “Microassisted Fertilization and Genetic Defects.”
9. North Shore University Hospital, New York University School of Medicine, Manhasset, NY, March 5, 2002. “Microassisted Fertilization and Genetic Defects.”
10. Colorado State University, Cell and Molecular Biology Graduate Program, Ft. Collins, Colorado, April 2004. “Testicular Stem Cell Transplantation and Male Infertility.”
11. University of Virginia, School of Medicine, Department of Endocrinology, Center for Research in Reproduction, Charlottesville, VA., September 23, 2004. “Exploring the New Genetics of Human Male Infertility.”
12. Children’s Hospital of Pennsylvania, University of Pennsylvania School of Medicine, Philadelphia, PA, September 21-24, 2005. “Stem Cells: Promises and Concerns” and “Regenerative Stem Cells in the Testis.”
13. University of Pennsylvania School of Medicine, Philadelphia, PA, May 17, 2006, James Cuozzo Memorial Lecturer, “Concerns for Infertile Men and Their Children Conceived by ICSI.”
14. Wake Forest University, Bowman Grey School of Medicine, Institute for Regenerative Medicine, Winston-Salem, NC, May 3-5, 2006, “The Promise of Gonadal Stem Cells.”
15. University of Iowa School of Medicine, Iowa City, September 26-30, 2006, “Concerns for Infertile Men and Their Children Conceived by ICSI.”
16. “Quantitative and Qualitative Analysis of Human Spermatozoa and the Impact on Clinical Outcomes.” Wake Forest University School of Medicine, Ob/Gyn Grand Rounds, Winston-Salem, NC, February 12, 2007.
17. University of Kansas Medical Center, DC Johnson Seminar Speaker, Kansas City, KS, January 16, 2008, “Exploring the Molecular Basis of Male Infertility.”
18. Roswell Park Cancer Institute, Prostate Program 1st Tuesday Lecture Series, Buffalo, NY, January 6, 2009, “Enhancing Vitamin D Action in Prostate Cancer Through CYP24 Silencing.”
19. Nemours Alfred I. DuPont Hospital for Children, Biomedical Research Seminar Series, Wilmington, DE, February 16, 2009, “Array-Based Comparative Genomic Hybridization Reveals Genetic Hotspots for Congenital Genitourinary Defects.”
20. Glickman Urological and Kidney Institute, Cleveland Clinic, Cleveland, OH, May 3-5, 2009. “Exploring the New Genetics of Male Infertility.”

21. Weill Cornell Medical Center, New York, NY, July 7, 2009, “The New Genetics of Male Infertility in the Era of ICSI.”
22. The Population Council, Rockefeller University, New York, NY, July 8, 2009, “Leptin Ghrelin Interplay in the Testis.”
23. 2009 Annual Puerto Rico Urological Association, San Juan, Puerto Rico, October 8, 2009, “Update on The Genetics of Infertility” and “Laboratory Evaluation of the Infertile Male.”
24. University of Michigan, Urology Grand Rounds Conference, Ann Arbor, MI, November 5, 2009, “Genetic Evaluation of the Infertile Male in the Era of ICSI.”
25. “Microassisted Fertilization and Genetic Defects in Non-Obstructive Azoospermia.” Billie A. Field Memorial Lecture at the College of Veterinary Medicine, University of Illinois, March 17, 2010.

IV. MEDICAL AND SERVICE INFORMATION

A. Patient Care Responsibilities:

1. **Department-wide:** Not Applicable
2. **Section or Subspecialty:** Not Applicable

B. Clinical Laboratory Responsibilities:

1. Director of the Laboratory for Male Reproductive Research and Testing, Scott Department of Urology, Baylor College of Medicine, Houston, TX (1987-Present), Director of the Special Procedures Laboratory, Scott Department of Urology, Baylor College of Medicine, Houston, TX (2002-present) (Clinical Chemist, Specialty: Endocrinology) (High Complexity Clinical Laboratory Director, HCLD). *(Dr. Lamb's laboratory, one of the largest andrology laboratories in the country, performs state-of-the-art andrology testing. Current procedures in the laboratory include tests of sperm function [the optimized sperm penetration assay and the competitive zona binding assay]; testing for free radicals [ROS], and DNA damage in sperm, tests for immunological causes of infertility [the immunobead assay for antisperm antibodies and an immunocytochemical assay for the presence of white blood cells in semen]; tests for sexually transmitted diseases [chlamydia, mycoplasma, HIV, and gonorrhea] and other infectious diseases [cytomegalovirus, hepatitis A, hepatitis B, hepatitis C, and HTLV-1,], semen and urine cultures with sensitivities; hormone profiles [testosterone, prolactin, follicle-stimulating hormone, luteinizing hormone, free testosterone, progesterone, DHEA-sulfate, IGF-I, and estradiol], genetic testing for Y chromosome microdeletions; fluorescent in situ hybridization for sex chromosome non-disjunction, semen analysis and sperm processing for insemination; and sperm cryopreservation; testing for tumor markers [PSA, free PSA, PSAB, BTA, BTA-STAT, TGF beta, IGFBP-3, and IL-6SR, IL-2, Urovysion]. The laboratory is also the only andrology laboratory in a urology department in the country that performs gamete micromanipulation for the treatment of male infertility.*

Dr. Lamb's laboratory provides its services to the Departments of Urology and Obstetrics and Gynecology at Baylor College of Medicine, as well as to numerous urology and in vitro fertilization laboratories in the United States, Canada, and Mexico.)

2. Technical Consultant, The *In Vitro* Fertilization Program, The Department of OB/GYN, Baylor College of Medicine and The Methodist Hospital Center for Reproductive Medicine and Surgery. (1992-Present).

C. National Education or Voluntary Health Organization Participation:

1. Technological Advances in the Diagnosis and Management of Male Infertility. Faculty, American Fertility Society, 26th Annual Postgraduate Program, Montreal, QC, Canada, October, 1993.
2. Molecular Approaches to the Study of Human Male Infertility: Basic Concepts. Faculty, American Fertility Society, 27th Annual Postgraduate Program, San Antonio, TX, 1994.
3. American Urological Association Office of Continuing Education, Summer Research Conference, Program Chair, 1997.
4. Germ Cell Transplantation. American Society of Reproductive Medicine, Toronto, Ontario, Canada, September 1999.
5. Laboratory Evaluation of the Infertile Couple: A Look Towards the Future. American Society of Reproductive Medicine, Program Chair, Toronto, ON, Canada, September 1999.
6. Gene Therapy." American Society of Reproductive Medicine, Toronto, ON, Canada, September 1999.
7. Immunologic Infertility. American Society of Reproductive Medicine, Toronto, ON, Canada, September 1999.

8. Laboratory Evaluation of the Infertile Male: Current Strategies and a Look Towards the Future. American Association of Reproductive Medicine, Toronto, ON, Canada, September 1999.
9. Computer-Assisted and Automated Techniques for Genetic Analysis. American Association of Reproductive Medicine, Toronto, ON, Canada, September 1999.
10. Y Chromosome Microdeletions. American Society of Reproductive Medicine, Toronto, ON, Canada, September 1999.
11. Basic Overview of Molecular Techniques. American Society of Reproductive Medicine, Toronto, ON, Canada, September 1999.
12. American Urological Association Office of Continuing Education, Summer Research Conference: Molecular Approaches to Therapy in Urologic Disease. Faculty, August 12, 2001.
13. Round Spermatid Nucleus Injection (ROSNI) Should not be Offered to Male Infertility Patients at this Time.” 34th Annual Postgraduate Program, American Society for Reproductive Medicine, Orlando, FL, October 20-21, 2001.
14. Male Infertility and the New Genetics. 34th Annual Postgraduate Program, American Society for Reproductive Medicine, Orlando, FL, October 20-21, 2001.
15. Libido. 34th Annual Postgraduate Program, American Society for Reproductive Medicine, Orlando, FL, October 20-21, 2001.
16. Male Infertility and the New Genetics. American Society of Reproductive Medicine Orlando, FL, October 20-21, 2001.
17. Finding the Best Ph.D. Mentor. AUA Summer Research Program, Renal Cell Carcinogenesis, Houston, TX, August 4, 2002
18. Animal Models of Male Reproductive Defects. American Society of Reproductive Medicine, Seattle, WA, October 12-13, 2002
19. New Research Advances in Genetic Male Infertility—What Does the Future Hold? American Society for Reproductive Medicine, Seattle, WA, October 12-13, 2002.
20. Primer on Molecular Biology Techniques in the Evaluation of Genetic Aberrations, American Society for Reproductive Medicine, Seattle WA, October 12-13, 2002.
21. Genetic Testing for Male Infertility. Pacific Coast Reproductive Society, Palm Springs, CA, May 5, 2005.
22. Stem Cells in Urology. Pacific Coast Reproductive Society, Palm Springs, CA, May 8, 2005
23. Spermatotoxicity. American Urological Association, Society for the Study of Male Reproduction, San Antonio, TX, May 21, 2005.
24. Stem Cells: Promises and Concerns. American Urological Association, Pediatric Urology Post-Graduate Course (Anthony Atala, M.D., Chair), May 24, 2005.
25. Stem Cells: Promises and Concerns. American Urological Association, Pediatric Urology Post-Graduate Course (Anthony Atala, M.D., Chair), May 22, 2006.

D. Administrative Assignments at BCM:

1. Department Administration, Committees, etc.:

1. Committees:

1988-1990 Residency Committee
1989-1992 Postgraduate Education Committee
1989-Present Research Committee
1990-1992 Marketing Committee
2003-Present Fellowship Committee, Scott Department of Urology, Baylor College of Medicine
2005-Present Academic Advisory Committee, Scott Department of Urology, Baylor College of Medicine

2. Committee Chairmanships:

1989-1991 Research Committee, Chairman
1992-1994 Management Information System Committee, Scott Department of Urology, Baylor College of Medicine

2. College Administration, Committees, etc.:

1. Committees:

1985-1995 Animal Research Committee, Baylor College of Medicine, Houston, TX
1990-Present Summer Medical and Research Training Program Committee, Baylor College of Medicine Graduate School, Houston, TX
1992-1993 Student Affairs Committee, Baylor College of Medicine Graduate School, Houston, TX
2000-2001 Association of Women Faculty, Subcommittee on Sexual Harassment, Baylor College of Medicine, Houston, TX
2000-2001 American Cancer Society, New Investigator Grant Review Panel, Baylor College of Medicine, Houston, TX
2000-2002 Faculty Appointments & Promotions Committee, Baylor College of Medicine, Houston, TX
2001-2003 Endocrine/Reproduction Module Oversight Committee, Fall I Curriculum, Baylor College of Medicine, Houston, TX
2001-2003 University of Texas Graduate School of Biomedical Sciences Alumni Association Steering Committee, Houston, TX
2003-Present Basic Science Representative to the Academic Council, Baylor College of Medicine, Houston, TX
2003-Present Curriculum Committee, Baylor College of Medicine, Houston, TX
2003-2004 Chair, Nominating Committee for Academic Council Faculty-At-Large Positions, Baylor College of Medicine, Houston, TX
2004-2007 Standing Examination Committee of the Graduate Program, Department of Molecular and Cellular Biology, Baylor College of Medicine, Houston, TX
2004-2006 Curriculum Committee, Baylor College of Medicine, Houston, TX
2005-Present Translational Biology and Molecular Medicine, Baylor College of Medicine, Houston, TX
2007-Present Postdoctoral Advisory Committee, Baylor College of Medicine, Houston, TX
2008-2010 Graduate Education Committee, Baylor College of Medicine, Houston, TX
20052008-2010 Translational Biology and Molecular Medicine Standing Exam Committee for the Qualifying Exam, Baylor College of Medicine, Houston, TX

2. **Committee Chairmanships:** Not Applicable

E. **Other Pertinent Information Not Given Above:**

1. **Previous Faculty Positions:**

Research Instructor, Department of Cell Biology, Baylor College of Medicine, Houston, TX 1984-1985

Assistant Professor of Urology, The Scott Department of Urology, Baylor College of Medicine, Houston, TX 1986-1995

Assistant Professor of Cell Biology, Baylor College of Medicine, Houston, TX 1986-1995

Director of Research, Scott Department of Urology, Baylor College of Medicine, Houston, TX 1987-1991, 2006-present

2. **Past Research Grants Funded (While at Baylor College of Medicine):**

1. "Progesterone Receptor Hormone Action"

- (1) National Research Service Award, National Institute of Child Health and Human Development
- (2) Principal Investigator
- (3) 1982-1984
- (4) Annual Direct Costs: \$29,532
- (5) Total Direct Costs: \$88,596
- (6) Fellowship Number 1-F32-HD-06336

2. "Progesterone Receptor Structure and Function"

- (1) National Institute of Child Health and Human Development, New Investigator Research Award
- (2) Principal Investigator
- (3) 1984-1986
- (4) Annual Direct Costs: \$36,228
- (5) Total Direct Costs: \$108,684
- (6) Grant Award Number 1-R23-HD-18301

3. "Sertoli Cell Secreted Growth Factor"

- (1) United States Public Health Service
- (2) Principal Investigator
- (3) 1987-1988
- (4) Annual Direct Costs: \$10,000
- (5) Total Direct Costs: \$20,000
- (6) Biomedical Research Support Grant Number RR-05425

4. "Androgen Receptor Gene in Growth and Differentiation"

- (1) National Institute of Diabetes and Digestive and Kidney Diseases
- (2) Co-Principal Investigator (Principal Investigator at Baylor)
- (3) 1987-1989
- (4) Annual Direct Costs to Baylor College of Medicine: \$81,377
- (5) Total Direct Costs to Baylor College of Medicine: \$244,103
- (6) Public Health Service Grant Number R01-DK37691

5. "Steroids in Tumor Growth in the Male Reproductive Tract"
 - (1) National Cancer Institute
 - (2) Principal Investigator
 - (3) 1987-1989
 - (4) Annual Direct Costs: \$99,088
 - (5) Total Direct Costs: \$297,263
 - (6) Public Health Service Grant Number R01-CA36264

6. "Sertoli Cell Secreted Growth Factor"
 - (1) National Institute of Diabetes and Digestive and Kidney Diseases
 - (2) Principal Investigator
 - (3) 1987-1991
 - (4) Annual Direct Costs: \$78,693
 - (5) Total Direct Costs: \$236,079
 - (6) Public Health Service Grant Number R01-DK39719

7. "The Methodist Hospital Center for Reproductive Research"
 - (1) The Methodist Hospital
 - (2) Scientific Co-Director for Urology
 - (3) 1987-1992
 - (4) Annual Direct Costs: \$139,319
 - (5) Direct Costs to Costs: \$696,597

8. "The Acrosome Reaction and Infertility"
 - (1) Humagen
 - (2) Co-Principal Investigator
 - (3) 1988-1990
 - (4) Annual Direct Costs: \$102,000
 - (5) Total Direct Costs: \$204,000
 - (6) Humagen Research Award

9. "Baylor SPORE – Endocrine Group"
 - (1) National Institutes of Health – National Cancer Institute
 - (2) Investigator
 - (3) 1992-1994
 - (4) Annual Direct Costs: \$32,000
 - (5) Total Direct Costs: \$96,000
 - (6) Public Health Service Grant 1 P50 CA58204

10. "Correlates of Fertility in Spinal Cord Injured Men"
 - (1) National Institutes of Health
 - (2) Co-Principal Investigator
 - (3) 1992-1997
 - (4) Annual Direct Costs: \$198,000
 - (5) Total Direct Costs: \$990,000
 - (6) Public Health Service Grant 1R01 HD30155-01

11. "Steroid Regulation of Male Reproductive Tumors"
 - (1) National Institute of Health – National Cancer Institute
 - (2) Principal Investigator
 - (3) 1992-1998
 - (4) Annual Direct Costs: \$83,377
 - (5) Total Direct Costs: \$459,258

- (6) Public Health Service Grant Number 1 R01 CA58020-01
12. “Society for Basic Urologic Research Fall Symposium Meeting Grant”
 - (1) National Institutes of Health – NIA DDK
 - (2) Program Chairperson (P.I.)
 - (3) 1993
 - (4) Annual Direct Costs: \$15,000
 - (5) Total Direct Costs: \$15,000
 - (6) Public Health Service Grant 1R13DK48156-01
13. “Androgen Receptor Mutations in Advanced Prostate Cancer”
 - (1) CaP Cure Foundation
 - (2) Principal Investigator
 - (3) 1994-1995
 - (4) Annual Direct Costs: \$100,000
14. “Androgen Receptor Mutations in Advanced Prostate Cancer”
 - (1) CaP Cure Foundation
 - (2) Principal Investigator
 - (3) 1995-1996
 - (4) Annual Direct Costs: \$100,000
15. “Male Fertility Panel”
 - (1) Chlorine Council on Behalf of the Chemical Manufacturers Association
 - (2) Co-Principal Investigator
 - (3) 1995-2000
 - (4) Annual Direct Costs: \$85,000
16. “Activation of Spermatogenic Recovery After Toxic Insult”
 - (1) National Institutes of Health
 - (2) Consortium Principal Investigator at Baylor
 - (3) 1996-2001
 - (4) Annual Direct Costs: \$17,760; \$96,185
 - (5) Public Health Service Grant 1-R01-ES08075
17. “Androgen Receptor Mutations in Advanced Prostate Cancer” – Competitive Renewal Submitted (2002-2007)
 - (1) National Institutes of Health
 - (2) Principal Investigator
 - (3) 1996-2001
 - (4) Annual Direct Costs: \$243,695
 - (5) Total Direct Costs: \$1,361,838
 - (5) Public Health Service Grant 1-R01-CA68615
18. Center for the Study of Reproductive Biosciences
 - (1) National Institutes of Health, National Institute of Child Health and Human Development
 - (2) Project Co-Leader (Bert W. O'Malley, Director)
 - (3) 1998-2001
 - (4) \$117,740; \$615,636
19. “Transgenic Mutations Affecting Sex Determination and Fertility”
 - (1) National Institutes of Health, National Institute of Child Health and Human Development
 - (2) Investigator (Colin Bishop, Ph.D., PI)
 - (3) 2002-2007

- (4) \$ 676,536, \$ 3,591,819
- (5) 1 U01 HD43421-01

20. "Emodin: A Potent Inhibitor of Prostate Cancer Growth"

- (1) Prostate Cancer Foundation
- (2) Principal Investigator
- (3) 2005-2009
- (4) \$ 100,000

3. **Scientific Advisory Boards:**

Humagen Fertility Diagnostics, Inc. – Scientific Advisory Board

Biopore, Inc. – Consultant

The Methodist Hospital, Center for Reproductive Medicine and Surgery, Scientific Steering
Committee (1988-1993)

Bioshaf Fertility Diagnostics – Consultant

Complegen – Consultant