

**BARRY T. HINTON, Ph.D.**  
**CURRICULUM VITAE**

**Personal data:**

Place of Birth: Chadwell-St-Mary, Essex, England  
Nationality: British and U.S.A. (dual citizen)

**Education:**

B.Sc. (Hons) Pharmacology & Biochemistry, 1974.  
University of East London, U.K.

Ph.D., Reproductive Physiology, 1979.  
The Babraham Institute, Cambridge, U.K.

**Positions Held:**

Post-Graduate Scholar, 1974-75, Max-Planck Institute for Biophysics, Frankfurt, Germany.

Pharmacology Instructor, 1975-79, University of Cambridge, U.K.

Ph.D. Student, 1975-1979

The Babraham Institute (Institute of Animal Physiology), Cambridge, U.K.

Ph.D. Thesis: The concentration and movement of luminal fluid in the testis and epididymis.

The Rockefeller Foundation Individual Postdoctoral Fellow, 1979-81

Research Associate, 1981-82; Instructor, 1982-83

Department of Urology, University of Virginia

Adjunct Faculty: Collaborative Scientist, 1982-2000.

Yerkes Regional Primate Research Center, Emory University, Atlanta.

Assistant Professor, 1983-1988

Associate Professor, 1988-1995

Department of Cell Biology, University of Virginia

**Current Position:**

Professor, 1995-pres.

Department of Cell Biology, University of Virginia

Instructor, UVA School of Nursing, 2010-pres

**Awards:**

Research:

Rockefeller Foundation Individual Postdoctoral Fellowship, 1979-1981

Young Andrologist Award, 1989. American Society of Andrology.

Outstanding Original Research Award, 1997. Award for best paper published in *Journal of Andrology*, 1997: Rudolph & Hinton, J, *Androl.*, 18:501-512, 1997. American Society of Andrology, presented March 1998.

Runner-Up, Outstanding Original Research Award, 1998. Markey et al., *J. Androl.*, 19:92-99, 1998. American Society of Andrology, presented April, 1999.

Visiting Professor, Shanghai Second Medical School, Shanghai, China October 2002

Distinguished Andrologist Award, American Society of Andrology, April 2016.

Teaching:

Robert Bennett Bean Teaching Award, 1989, 1997, 2001, 2003, 2009; University of Virginia School of Medicine. Presented by the second year class in recognition of excellence in teaching of the basic medical sciences.

Distinguished Professor Award, 1989, 1991, 1992, and 1993; University of Virginia Student Medical Society. Presented by the first year class in recognition of excellence in teaching.

School of Medicine Dean's Excellence in Teaching Award, 1996. Presented by the students and faculty in the School of Medicine in recognition for excellence in teaching.

David Harrison University of Virginia Teaching Award, 1996. Presented by the faculty of the University of Virginia in recognition for excellence in teaching.

Basic Sciences Teaching Award, 2000, 2004. Presented by the first year class in recognition of excellence in teaching of the basic medical sciences.

Founding member, the Academy of Distinguished Educators, School of Medicine, 2003.

Basic Science Teaching Award for Excellence as a Small Group Leader, 2009. Presented by the UVA School of Medicine Class 2011.

Mulholland Award for Teaching Excellence in Foundations of Medicine, 2009, Presented by the UVA School of Medicine Class 2012

Mulholland Award for Teaching Excellence in Foundations of Medicine, 2010, Presented by the UVA School of Medicine Class 2013

Other:

Distinguished Service Award. American Society of Andrology, 2005.

**Editorial Board:** Journal of Andrology (1986-1990)

Editorial Advisory Board, Asian Journal of Andrology (1998-pres)

Associate Editor, International Journal of Andrology (2002-2014)

Editorial Board, Andrology 2012-2016

**Reviewer - Journals:**

American Journal of Anatomy

American Journal of Physiology

Asian Journal of Andrology

Biochimica et Biophysica Acta

Biology of Reproduction

Cell & Molecular Biology

Development

Developmental Biology

Developmental Dynamics

Endocrinology

European Journal of Endocrinology (Finland)

Fertility & Sterility

Gene

Genes & Development

International Journal of Andrology

Journal of Andrology

Journal of Endocrinology (U.K.)

Journal of Reproduction & Fertility (U.K.)

Journal of Reproductive Immunology

Journal of Structural Biology

Journal of Urology

Molecular Endocrinology

Molecular Reproduction & Development (U.K)

Nature

Peptides

Reproduction, Fertility & Development (Australia)

**Reviewer - Books:**

Grant's Atlas of Anatomy, 9th Ed.

A.D.A.M. Atlas of Anatomy, 1st Ed.

Grant's Dissector, 11th Ed.

**Reviewer - Grants:**

NIH site reviewer, Ohio State University, 1981

March of Dimes, 1989

Medical Research Council, Canada, 1991, 1996, 1997.

USDA, ad hoc reviewer, 1993, 1997, 1998

Smithsonian Institute, 1993

Medical Research Council Australia, 1993

Jeffress Trust, 1993, 1994

Lalor Foundation, 1994, 2000

Health Research Council of New Zealand, 1994

NIH-NICHD, Reproductive Sciences Branch Study Section Panel Member, 1995

National Science Foundation, ad hoc reviewer, 1995

USDA Study Section, Panel Member, Washington, D.C., 1996

**Chair**, NIH-NICHD, Reproductive Endocrinology Study Section, ad hoc panel,  
1997

NIH-NICHD, Reproductive Biology Study Section, Panel Member, 1992, 1996, 1998,  
2000 (ad hoc)

NIH-NICHD, Reproductive Biological Sciences, Panel Member, 2000 (ad hoc)

Hong Kong Medical Research Council, 2000, 2004, 2006

NIH-NICHD Reproductive Biology Study Section, Panel Member (Full member), 2001-  
2005

Medical Research Council, South Africa, 2002

**Chair**, NIH-NICHD ad hoc review panel, July 2004

NIH-NICHD Cell Molecular Integrative Reproduction ad hoc, 2006, 2007

NIH TRO1 reviewer, ad hoc, 2009

NIH-NICHD CMIR ad hoc 2012, 2014, 2015. NIH-NIDDK ad hoc, 2012

Australian Medical Research Council, 2013

Ad hoc reviewer U54 Reproduction Research Centers Study Section (Specialized Cooperative Centers Program in Reproduction and Infertility Research), NIH/NICHD, November 2013.

NIEHS Research Triangle Park, 2015

NIH-NICHD CMIR ad hoc, 2016

NIH Fellowship review panel: Cell Biology, Developmental Biology, and Bioengineering, Nov 2016

NIEHS Reviewer: Clinical Branch and evaluate tenure of a faculty member, March 2017

**Invited Speaker - Seminars:**

University of Virginia: Departments of: Cell Biology, Biology, Chemistry, Physiology, Pathology, Endocrinology, Reproductive Sciences Group, Medical Center Hour.

Universities and Institutes

Emory University

Vanderbilt University

Georgetown University

Kent State University

University of Adelaide, Australia

University of Cambridge, England

Mary Baldwin College

Virginia Tech

Colorado State University

Baylor Medical College

University of Pennsylvania

Worcester Foundation

University of Connecticut  
Pennsylvania State University  
Bucknell University  
Eastern Virginia Medical School (Jones Institute)  
Hofstra University  
McMaster University, Canada.  
University of Turku, Finland  
University of Munster, Munster, Germany  
Hormone and Fertility Institute, Hamburg, Germany  
University of Newcastle, Newcastle, Australia  
University of Canberra, Canberra, Australia  
University of Pennsylvania  
Harbor-UCLA, California  
Shanghai Second Medical School, China  
University of Texas, Houston  
Medical College of South Carolina, Charleston  
University of Wisconsin, Madison  
Imperial College, London, UK  
University of South Florida  
University of Illinois, Champaign  
Harvard/BW Hospital, Boston  
Texas A&M, College Station, TX  
Harvard University, MA  
University of California, Davis  
Kansas State University, KS  
Western Michigan University (2012)  
Washington State University (2012)  
NIEHS, Research Triangle Park (2012)  
University of Montreal (2013)  
University of Massachusetts (2013)  
University of Adelaide, Australia (2013)  
University of Melbourne – Monash Institute of Reproductive Biology (2013)  
Sao-Paulo State University-UNESP, Araraquara, Brazil, November 2013

Sao-Paulo State University-UNESP, Araraquara, Brazil, December 2014

Universidade Federal de São Paulo - Escola Paulista de Medicina (UNIFESP-EPM),  
Brazil, August 2014 and May 2015

Federal Rural University of Pernambuco, Recife, Brazil, May 2015 and March 2016

University of Laval, Canada September 2017

**Invited Speaker** - National & International Meetings:

Carnitine Biosynthesis, Metabolism & Function, University of Texas, Dallas, March 1979.

Comparative Biology of Primate Semen, University of Siena, Italy, June 1980.

Blood-Tissue Barriers & Transport Mechanisms, Detroit Physiological Society, April 1988.

Mid-Atlantic Reproductive Meetings, June 1988, 1991, 1993, 1995, 1999.

Epididymis and Male Fertility, Chinese University of Hong Kong, Hong Kong, November  
1992.

American Society of Andrology, Postgraduate Course, Springfield, Illinois, April 1994.

Seventh International Symposium on Spermatology, Cairns, Australia October 1994.

NIH Workshop on Targets for Contraceptive Development: The Sperm Membrane in  
Fertilization, Bethesda, MD., November 1994.

Mellon Reproductive Biology Center's Meeting: New Frontiers in Male Contraception,  
Durham, North Carolina, April 1995.

Gordon Research Conference: Reproductive Tract Biology, Plymouth State College, N.H.,  
July 1996.

Schering Foundation/Rockefeller Foundation/CONRAD Workshop on Epididymis and  
Contraception, Berlin, Germany, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2004.



Boden Conference on the Epididymis, Sydney, Australia, February 1998.

Symposium on the Epididymis, University of Western Australia, March 1998.

Schering Foundation/Rockefeller Foundation Epididymal Workshop, Bellagio, Italy, August 1998.

Society of Toxicology: Postgraduate Course, Evaluation of Male Reproductive Toxicity. New Orleans, March, 1999.

Serono Symposium (Testis Workshop) - From Stem Cell to Sperm Function, Louisville, KY, April 1999.

European Society of Human Reproduction and Embryology Annual Meeting; Andrology Special Interest Group: Recent Advances in Male Contraception. Tours, France, June 1999.

Schering Foundation/The Rockefeller Foundation Workshop on Epididymis. Elmau, Germany, September, 1999.

NIH-NICHD Workshop on Male Contraception, Bethesda, MD, September 1999.

NIH-NICHD Advisory Meeting on Post-Testicular Male Contraception, Bethesda, MD, March 2000.

First European Congress of Andrology, European Academy of Andrology, L'Aquila, Italy, March 2000.

Schering Foundation/ The Rockefeller Foundation Workshop on Epididymis, Berlin, September, 2000.

American Physiology Society, Experimental Biology Meeting: Symposium on Ion Transport in Gametes and Reproductive Epithelia, Orlando, Florida March 2001.

Frontiers in Reproduction Symposium: Reproductive Genetics, Genomics and Proteomics, Boston, MA, June 2001.

Third International Conference on the Epididymis, Charlottesville, Virginia, May/June 2002.

Schering Foundation/Rockefeller Foundation Workshop on the Epididymis, Bellagio, Italy, October 2002.

First Asia-Pacific Forum on Andrology, Symposium on the Epididymis. Shanghai, China October 2002.

Australian Society of Reproductive Biology Annual Meeting, Symposium on Development and Techniques, Melbourne, Australia, September 2003.

NIH-NICHD meeting "The Future of Male Contraception", Seattle, WA, September 2004.

American Society of Andrology, Symposium on Male Contraception, Seattle, WA. April 2005.

Satellite Meeting "Post-Meiotic Approaches to Male Contraception", International Congress of Andrology Satellite Meeting, Hong Kong, June 2005.

FASEB, Experimental Biology 2006 Symposium "Oxidative Stress in Epithelial Tissues", San Francisco, April 2006.

American Society of Andrology, Trainee Affairs invited speaker, April 2006.

Gordon Research Conference Male Reproductive Tract Biology, June 2006.

International Symposium on Animal Biology of Reproduction, Belo Horizonte, Brazil, November 2006.

4<sup>th</sup> International Conference on the Epididymis, Chatel-Guyon, France, December 2006.

Male Contraceptive Meeting, Berlin, Germany, May 2007.

Male Contraceptive Meeting UO1 NIH grant report, Seattle, September 2007.

10<sup>th</sup> Annual Regional Meeting of Biomedicine, Botucatu, Brazil November 2007.

First Workshop on Male Reproductive Biology, Botucatu, Brazil November 2007.

Society for the Study of Reproduction Symposium Speaker, Hawaii, May 2008.

Gordon Conferences, Male Reproductive Tract Session Leader, June 2008.

American Society of Andrology Symposium Speaker and Trainee Affairs Speaker, Philadelphia, April 2009.

Fifth International Symposium on the Biology of Vertebrate Sex Determination, Hawaii, April 2009.

Gordon Research Conference on Reproductive Tract Biology, August 2010.

5th International Conference on the Epididymis, Sao Paulo, Brazil, October 2010.

Universidade Federal de São Paulo - Escola Paulista de Medicina: Symposium to celebrate 40 years anniversary of the Institute, October, 2010

III Workshop on Male Reproductive Biology, Campinas, Brazil October 2011.

American Society of Andrology, Special Symposium on Epididymis, April 2012.

Shanghai International Symposium on Andrology & 12<sup>th</sup> Andrology Forum, Renji Hospital, Shanghai & Spermatogenesis & Fetal-Embryo Origins of Disease, Hangzhou, China, November 2012.

Chilean Society of Reproduction Annual Meeting, Valdivia, Chile. Plenary Lecture, September 2013

6<sup>th</sup> International Conference on the Epididymis, Shanghai, China, November 2014

7<sup>th</sup> International Conference on Sex Determination, Hawaii, April 2015

American Society of Andrology, Annual Meeting, Salt Lake City, April 2015

V Workshop on Male Reproductive Biology, Sao Paulo, November 2015, Plenary Speaker

Brazilian Society of Cell Biology, Sao Paulo, July 2016 Plenary Speaker

Society for the Study of Reproduction, San Diego, CA July 2016. Invited Symposium Speaker.

International Congress of Andrology, Copenhagen 6-9 May 2017; invited Symposium speaker

**Society Memberships:**

Society for the Study of Fertility (U.K.)

American Society of Andrology

Society for the Study of Reproduction

Society for Developmental Biology

**Research Grant Support (PI):**

NIH-NICHD RO1 HD068365: Regulation of Postnatal Epididymal Cell Proliferation. 35% effort, 03/01/12-2/28/17. One year no cost extension 3/1/17-2/28/17

NIH-NICHD RO1 HD069654: Embryonic Development of the Mammalian Epididymis. 40% effort. 4/1/12-3/31/17. One year no-cost extension 4/1/17-3/31/18

**Previous Recent Other Support**

Visiting Researcher Fellowship, Science Without Borders

Fellowship in Brazil. PI: Dr. Christina Avellar, UNIFESP, Sao Paulo, Brazil. Innate immunity and the cellular and molecular aspects of Wolffian/epididymal duct morphogenesis. July

2014 – July 2017. Fellowship provides support for travel for up to 3 visits per year for 3 years; total time not exceeding 30 days per year.

Contraline LLC: SRA: Vasintomy and Echogenic Intra-Vasal Polymer Gel Male Contraceptives study, 06/01/16 – 5/30/17, 5% effort.

**Pending:**

NIH-NICHD RO1 Role of the extracellular matrix during Wolffian/epididymal duct morphogenesis. 50% effort, 12/01/17 – 11/30/22.

**Committees:**

University of Virginia

Council on Medical Education (CME) (1986-89)

CME Task Force on Teaching Effectiveness (1987-88)

CME Subcommittee on Teaching Awards (1989, 1993, 1997)

Department of Cell Biology Graduate Student Committee (1988-91)

Department of Cell Biology Faculty Search Committee (1989-90; 91-92)

Preclinical Committee (PC; 1990-2000)

Orthopedic Chair Search Committee (1990-92)

Elected to University of Virginia Faculty Senate (1991-95)

Student Academic Support Committee (1992-2000)

Admissions Committee: Medical Academic Advancement Program (MAAP: 1992)

Promotions Committee: Postbacc Program, School of Medicine (1992-1996)

Chair, Admissions Committee MAAP (1993)

Committee on Committees, School of Medicine (1993-2000)

Ad hoc Grievances Committee, School of Medicine (1993)

Admissions Committee, School of Medicine (1993-1999)

Medical Student Promotions Committee, School of Medicine (1996-2002)

Medical Student Advocacy Committee, School of Medicine (1996-2000)

School of Medicine LCME Task Force (1997-98)

Chair, Anatomist Search Committee, Department of Cell Biology (1997-98)

Task Force on Medical School Objectives for CME (1998)  
Electives Committee (2000-2002)  
Principals of Medicine Committee (2000-2002; 2005-pres)  
Elected to University of Virginia Faculty Senate (2002-2006)  
Activities Committee, Academy of Distinguished Educators (2004-pres)  
Chair, Anatomist Search Committee, Department of Cell Biology (2005-2006)  
Co-Chair School of Medicine Sub-Committee Education Objectives, LCME Task Force Re-Accreditation Project (2005-2006)  
Academic Committee, Cell & Development Graduate Student Program (2006-2009)  
University of Virginia Internal Review (grants) Committee (2008-2009)  
Postdoctoral T32 Review Committee, Center for Research in Reproduction, (2009-2014)  
Summer Medical and Dental Education Program (previously MAAP/Postbac) for under-represented minorities Advisory Committee, (2009-2014)  
Co-Chair, Teacher Coaching Program, Academy of Distinguished Educators (2009-2014)  
Mentor, The Mentoring Institute for under represented minorities (2010-2015)  
Cancer/Cell/Path Graduate Program Admissions Committee (2014-2015)  
UVA School of Medicine Curriculum Committee (2015-pres)  
UVA School of Medicine Diversity Committee, Department of Cell Biology Diversity Facilitator (2015-pres)

National:

American Society of Andrology:

Nominating Committee (1982-84)  
Student Affairs Committee (1982-85)  
Publications Committee (1984-88)  
**Chair**, Student Affairs Committee (1985-87)  
**Elected to Executive Council** (1987-90)  
1989 Program Committee (1988-89)  
Future Meetings Committee (1989-90)  
Annual meeting abstracts reviewer (multiple years)

**Elected Secretary (1992-1995)**

International Liaison Committee (1993-1998)

1995 Program Committee (1993-1994)

1997 Program Committee (1996-1997)

**Chair**, International Liaison Committee (1995-1998)

**Chair**, 1998 Annual Meeting Scientific Program Committee (1996-1998).

**Elected Vice President (1998-1999)**

**President (1999-2000)**

2002 Annual Meeting Program Committee (2000-2002)

Future Meetings Committee (2003-2008)

2010 Annual Meeting Program Committee (2008-2010)

2011 Annual Meeting Program Committee (2009-2011)

2012 Annual Meeting Program Committee (2011-pres)

Trainee Affairs Committee (2009-pres)

Future Meetings Committee (2011-2013)

Chair, Bid Committee, prepare a bid to host the 2017 International Congress of Andrology in the USA (San Francisco) 2013-2014

Reappointed Chair, Bid Committee to host 2021 International Congress of Andrology in USA (San Francisco) 2015-2017

American Society of Reproductive Immunology:

Annual Meeting Local Organization Committee (1991)

Society for the Study of Reproduction:

Program Committee/Abstracts reviewer 1991, 1993, 1996, 2007, 2008, 2009  
annual meetings.

Program Committee, 2006-2009, 2010-2012

Local Arrangements Committee, Society for the Study of Reproduction 2017 Annual Meeting, Washington DC (2016-2017)

Serono Symposia:

Testis Workshop Scientific Program Committee, 1997-2002, 2012-2014