



## CURRICULUM VITAE

**Christian R. Abee, D.V.M., M.S., DACLAM**

### PRESENT TITLE AND AFFILIATION

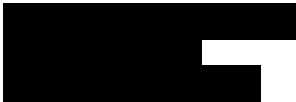
#### Primary Appointment

Emeritus Professor, Department of Comparative Medicine, Michale E. Keeling Center for Comparative Medicine and Research, The University of Texas MD Anderson Cancer Center, Bastrop, TX

### CITIZENSHIP

United States

### HOME ADDRESS



### OFFICE ADDRESS

Department of Comparative Medicine, Michale E. Keeling Center for Comparative Medicine and Research, The University of Texas MD Anderson Cancer Center  
650 Cool Water Drive  
Bastrop, TX 78602  
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### EDUCATION

#### Degree-Granting Education

San Antonio College, San Antonio, TX, Associate Degree, 1968, Science  
Texas A & M University, College Station, TX, BS, 1970, Veterinary Science  
Texas A & M University, College Station, TX, DVM, 1971, Veterinary Medicine  
Wake Forest University, Bowman Gray School of Medicine, Winston-Salem, NC, MS, 1974, Comparative Medicine

#### Postgraduate Training

Research Fellowship, Wake Forest University, Bowman Gray School of Medicine, NIH  
Postdoctoral Fellowship, Winston-Salem, NC, 1971-1974

### CREDENTIALS

#### Board Certification

American College of Laboratory Medicine, 1/1975

#### Licensures

##### Active

Texas Veterinary Medical License, TX, 3044, 1971

##### Inactive

North Carolina Veterinary Medical License, NC, 727374, 1/1972-1/1974

Alabama Veterinary Medical License, AL, 2913, 1980-2010

## **EXPERIENCE/SERVICE**

### **Academic Appointments**

Research Scientist, Delta Regional Primate Research Center of Tulane University, New Orleans, LA, 1/1974-1/1979

Clinical Instructor, Department of Pathology, Louisiana State University Medical Center, New Orleans, LA, 1/1975-1/1977

Acting Head, Delta Regional Primate Research, Center of Tulane University, New Orleans, LA, 1/1976-1/1977

Clinical Assistant Professor, Department of Pathology, Louisiana State University Medical Center, New Orleans, LA, 1/1977-1/1979

Assistant Professor, Department of Pathology, University of South Alabama College of Medicine, Mobile, AL, 1/1979-1/1983

Associate Professor, Department of Comparative Medicine, University of South Alabama College of Medicine, Mobile, AL, 1/1983-1/1987

Professor, Department of Comparative Medicine, University of South Alabama College of Medicine, Mobile, AL, 1/1987-1/1996

Adjunct Professor, Department of Comparative Medicine, The University of Alabama at Birmingham, Birmingham, AL, 1/1991-1/2002

University Distinguished Professor, Department of Comparative Medicine, College of Medicine, The University of South Alabama, Mobile, AL, 1/1996-1/2000

The Charles M. Baugh Professor, Comparative Medicine, University of South Alabama College of Medicine, Mobile, AL, 1/2000-9/2005

Adjunct Professor, Department of Comparative Medicine, University of South Alabama College of Medicine, Mobile, AL, 9/2005-present

The Doctor R. Lee Clark Professorship and Chair, Department of Comparative Medicine, Michale E. Keeling Center for Comparative Medicine and Research, The University of Texas MD Anderson Cancer Center, Bastrop, TX, 9/2005-present

### **Administrative Appointments/Responsibilities**

Director, Animal Health and Resources, University of South Alabama College of Medicine, Mobile, AL, 1/1979-1/1983

Chair, Department of Comparative Medicine, University of South Alabama College of Medicine, Mobile, AL, 1/1983-1/2005

Director, University of Biological Resources, University of South Alabama College of Medicine, Mobile, AL, 1/1988-1/2005

Administrative Director, Michale E. Keeling Center for Comparative Medicine and Research, The University of Texas MD Anderson Cancer Center, Bastrop, TX, 9/2005-present

Department Chair, Department of Comparative Medicine, Michale E. Keeling Center for Comparative Medicine and Research, The University of Texas MD Anderson Cancer Center, Bastrop, TX, 9/2005-present

### **Other Appointments/Responsibilities**

Member, Animal Care and Use Committee, University of South Alabama College of Medicine, Mobile, AL, 1979-2005

Member, Executive Council, University of South Alabama College of Medicine, Mobile, AL, 1983-2005

Member, Faculty Assembly, University of South Alabama College of Medicine, Mobile, AL, 1/1985-1/1986

Vice President, Faculty Assembly, University of South Alabama College of Medicine, Mobile, AL, 1/1986-1/1987

President, Faculty Assembly, University of South Alabama College of Medicine, Mobile, AL, 1/1986-1/1988

Member, Committee on Admissions, University of South Alabama College of Medicine, Mobile, AL, 1/1986-1/1989

Member, Committee on Animal Models and Genetic Stocks, National Research Council, National Academy of Sciences, Institute of Laboratory Animal Resources, Washington, DC, 1/1987-6/1989

Member, Institutional BioSafety Committee (ex-officio member), University of South Alabama College of Medicine, Mobile, AL, 1/1987-8/2005

Ad Hoc Faculty Interviewer, Committee on Admissions, University of South Alabama College of Medicine, Mobile, AL, 1/1989-1/1992

Member, Rapid Response Committee for Animal Research, University of South Alabama College of Medicine, Mobile, AL, 1/1990-1/1991

Member, University Senate Planning and Development Committee, University of South Alabama College of Medicine, Mobile, AL, 1/1990-1/1991

Member, Faculty Senate, University of South Alabama College of Medicine, Mobile, AL, 1/1990-1/1993

Member, Executive Committee, Graduate Program in Basic Medical Sciences, University of South Alabama College of Medicine, Mobile, AL, 1/1990-8/2005

Member, Institutional Advancement Committee, University of South Alabama College of Medicine, Mobile, AL, 1/1991

Member, Dissertation Committee for Yupo Ma, Basic Science Graduate Program in Molecular and Cellular Pharmacology, University of South Alabama College of Medicine, Mobile, AL, 1/1991-1/1993

President, Faculty Assembly, University of South Alabama College of Medicine, Mobile, AL, 1/1992-1/1993

Member, Faculty Committee on Appointment, Promotion and Evaluation, University of South Alabama College of Medicine, Mobile, AL, 1/1992-1/1995

Member, Dissertation Committee for Phillip Reynolds, Basic Science Graduate Program in Molecular and Cellular Pharmacology, University of South Alabama College of Medicine, Mobile, AL, 1/1993-1/1998

Council Member, The National Research Council of the National Academy of Sciences, Institute for Laboratory Animal Research (ILAR), Washington, DC, 1/1993-1/1999

Member, LCME Subcommittee Chair on General Facilities, University of South Alabama College of Medicine, Mobile, AL, 1/1994

Chair, Institutional BioSafety Committee, University of South Alabama College of Medicine, Mobile, AL, 1/1994-1/1995

Chairperson, Scientific Assessment Team, BION 11/12 Missions, National Aeronautics and Space Administration, San Jose, CA, 12/1995

Member, Chancellor's Advisory Council, Caribbean Primate Research Center, University of Puerto Rico School of Medicine, San Juan, PR, 1/1996-1/1999

Vice Chairman, Institutional Animal Care and Use Committee, University of South Alabama College of Medicine, Mobile, AL, 1/1996-1/2005

Chair, National Scientific Advisory Board, University of Washington National Primate Research Center, Seattle, WA, 1/1996-2013

Chairperson, BION Scientific Review Task Force, National Aeronautics and Space Administration, San Jose, CA, 7/1996

Member, BION 11 Investigation Task Force, National Aeronautics and Space Administration, San Jose, CA, 1/1997-4/1997

Member, Faculty Grievance Committee, University of South Alabama College of Medicine, Mobile, AL, 1/1997-1/1999

Member, Committee on Well-Being of Nonhuman Primates, Publication of the Psychological Well-Being of Nonhuman Primates, National Academy Press, Institute for Laboratory Animal Research (ILAR), Washington, DC, 1/1998

Member, Task Force on Research Organization and Performance Evaluation, University of South Alabama College of Medicine, Mobile, AL, 1/2000-1/2002

Member, Council on Accreditation, Association for Assessment and Accreditation of Laboratory Animal Care International (AAALAC International), Frederick, MD, 1/2000-1/2003

Member, Patent Committee, University of South Alabama College of Medicine, Mobile, AL, 1/2000-1/2003

Member, Senior Faculty Caucus, University of South Alabama College of Medicine, Mobile, AL, 1/2000

Member, Pre-award Policies and Procedures Committee of the Cost Accounting Standards Committee, University of South Alabama College of Medicine, Mobile, AL, 6/2000-2005

Chair, External Scientific Advisory Committee, Southwest National Primate Research Center, San Antonio, TX, 1/2001

Ad Hoc Consultant, AAALAC International, Frederick, MD, 2003-present

Emeritus Council Member, Council on Accreditation, The Association for Assessment and Accreditation of Laboratory Animal Care International (AAALAC International), Frederick, MD, 1/2003-2005

Chair, National Scientific Advisory Board, Southwest National Primate Research Center, San Antonio, TX, 1/2004-1/2006

Chair, National Chimpanzee Resource Consortium (NCRC), Washington, DC, 2006-2009

Member, Board of Trustees, Scientists Center for Animal Welfare (SCAW), Greenbelt, MD, 1/2006-2012

Member, The University of Texas Graduate School of Biomedical Sciences, Houston, TX, 9/2006-present

Member, National Scientific Advisory Board, Yerkes National Primate Research Center, Atlanta, GA, 2007-present

Member, National Institutes of Health, National Center for Research Resources Strategic Planning Forum: "Harnessing Innovation to Advance Human Health", Rockville, MD, 12/2007

Director At-Large Respresenting Departments of Comparative Medicine, Board of Directors, Association of American Veterinary Medical Colleges (AAVMC), Washington, DC, 7/2009-1/2013

Member, Scientific Advisory Board, Washington National Primate Research Center, University of Washington, Seattle, WA, 2012-2014

Chair, National Chimpanzee Resource Consortium (NCRC), Washington, DC, 2013-2015

Member, Southwest National Primate Research Center Scientific Advisory Board, San Antonio, TX, 2013-present

Member, Advisory Committee for "Strategic Planning Conference", NIH Office of Research Infrastructure and Planning (ORIP), Bethesda, MD, 2015

Member, Scientific Advisory Board, Wisconsin National Primate Research Center, Madison, WI, 2015-present

**Endowed Positions**

University Distinguished Professor, University of South Alabama, Mobile, AL, 1/1996-1/2000

The Charles M. Baugh Professor, University of South Alabama, Mobile, AL, 1/2000-9/2005

The Doctor R. Lee Clark Professorship, The University of Texas MD Anderson Cancer Center, Bastrop, TX, 9/2005-present

**Consultantships**

Veterans Administration, Washington, DC, Consultant, Animal Studies Protocols, 1/1987-1/1993

Battelle Northwest Laboratories, United States Agency for International Development (USAID), United States, Consultant, Primate Contract, 3/1987-9/1991

Yerkes Regional Primate Research Center, Atlanta, Georgia, Consultant, Review and Evaluation of Infrastructural Programs, 2/1999

University of Washington Regional Primate Research Center, Seattle, Washington, Consulting Visit, 12/1999

**Military or Other Governmental Service**

N/A

**Institutional Committee Activities**

Research Council, UT MD Anderson Cancer Center, Houston, Texas, Member, 1/2005-12/2013

Chief Academic Officer, Search Committee, UT MD Anderson Cancer Center, Member, 8/2006-1/2007

Executive Committee of Science Faculty, UT MD Anderson Cancer Center, Member, 9/2006-1/2012

Technology Review Committee, UT MD Anderson Cancer Center, Houston, Texas, Member, 9/2011-2012

Institutional Research Executive Committee, UT MD Anderson Cancer Center, Houston, Texas, Member, 2/2012-2017

Integrity & Ethics Advocacy Council, UT MD Anderson Cancer Center, Houston, Texas, Member, 3/2012-2016

IACUC Leadership Committee, UT MD Anderson Cancer Center, Houston, Texas, Member, 3/2012-present

Institutional Manufacturing Oversight Advisory Committee, Member, 2013-2016

Animal Research Infrastructure Strategic Planning Committee, Member, 2013-2017

Endowed Positions and Awards Committee, Member, 9/2013-8/2016

**HONORS AND AWARDS**

Excellence in Research Award, The American Society of Laboratory Animal Practitioners, 2007

Outstanding Alumnus Award, Texas A&M University College of Veterinary Medicine and Biomedical Sciences, 2007

Charles River Prize, American Association of Laboratory Animal Science, 2017

**RESEARCH**

**Grants and Contracts**

**Funded**

Principal Investigator, 20%, Squirrel Monkey Breeding and Research Resource, P40 OD010938, NIH/NCRR, 4/1/2004-1/1/2019, \$2,413,395 (\$486,311/year)

Principal Investigator, Nonhuman Primates Acquisition, Testing, Transportation and Housing, HHSN263201600013, NIH OD, 9/30/2010-1/31/2021, \$1,201,474 (\$164,046/year)

Principal Investigator, National Center for Chimpanzee Care, NIH/NCRR, 9/1/2016-8/31/2021, \$8,154,725 (\$1,630,945/year)

Principal Investigator, SPF Baboon Research Resource, NIH/NCRR, 7/1/2017-1/1/2019, \$3,792,677 (\$622,632/year)

Co-Investigator, Squirrel Monkey Breeding and Research Resource, P40 OD010938, NIH/NCRR, PI - Williams, LE, 1/1/2019-1/31/2020, \$2,413,395 (\$486,311/year)

Co-Investigator, SPF Baboon Research Resource, P40 OD024628, NIH/NCRR, PI - Simmons, JH, 1/1/2019-5/31/2022, \$3,792,677 (\$633,632/year)

**Pending**

N/A

**Other**

N/A

**Completed**

Principal Investigator, 15%, Endocrine Regulation of Lipoprotein Metabolism in Nonhuman Primates, Project HL 25595 (NHLBI), NIH, 1/1/1980-1/1/1985, \$161,000

Principal Investigator, 30%, A Domestic Bolivian Squirrel Monkey Breeding Resource, RR01254, NIH, 7/1/1980-6/30/1985, \$853,902

Co-Principal Investigator, 9%, Rabbit Placental and Ovarian Relaxin, R01HD15773, NIH, PI - P.A. Fields, 7/1/1984-6/30/1987, \$143,657

Co-Principal Investigator, 15%, The Use of BH4 Analog for the Treatment of Parkinson's Disease, N01-NS-2-2368, National Institute of Neurological & Communicative Disorders and Stroke, PI - J.E. Ayling, 9/30/1984-9/29/1986, \$277,490

Principal Investigator, 10%, The Development of a Primate Model of Parkinson's Disease for Use in Testing Drugs of Potential Therapeutic Value, Ciba-Geigy Corporation, 3/25/1985-7/31/1987, \$239,240

Principal Investigator, 30%, A Domestic Bolivian Squirrel Monkey Breeding Resource, RR01254, NIH, 7/1/1985-3/31/1991, \$1,678,419

Principal Investigator, 10%, Facilities Improvement Grant, RR02921, NIH, 9/27/1985-9/26/1988, \$150,622

Principal Investigator, 42%, Housing and Care of Aotus and Saimiri Primate Colonies, DPE-5979-C-00-1024-00, United States Agency for International Development, 1/1/1991-1/1/1994, \$1,780,350

Principal Investigator, 30%, A Squirrel Monkey Breeding and Research Resource, RR01254, NIH, 4/1/1991-3/31/1994, \$743,381

Principal Investigator, 100%, Renovation and Centralization: USA Animal Research Facilities, RR07101-01, NIH, 8/15/1991-8/14/1992, \$700,000

Principal Investigator, 30%, A Squirrel Monkey Breeding and Research Resource, RR01254, National Center for Research Resources, 4/1/1994-3/31/1999, \$2,004,286

Principal Investigator, 100%, Renovation and Centralization: USA Animal Research Facilities, RR09940-01, NIH, 8/1/1994-7/31/1995, \$224,585

Principal Investigator, 100%, Extramural Research Facilities Construction, 1 C06 RR11174-01, NIH, 9/30/1995-9/29/1998, \$4,471,028

Principal Investigator, 8%, Experimental Emphysema: Studies on Remediation, HL RO1 HL59432-01, Georgetown University, Lung Biology Laboratory, 9/30/1997-9/29/2000, \$233,419

Principal Investigator, 100%, Squirrel Monkey Breeding Colony - Malaria Study, 100-2999-00001, Center for Disease Control (CDC), 1/1/1998-1/1/2003, \$311,952

Principal Investigator, 12%, Experimental Creutzfeld-Jakob Disease, Baxter Healthcare Corporation, 1/1/1998-1/1/2007, \$4,992,373

Principal Investigator, 20%, A Squirrel Monkey Breeding and Research Resource, P40 RR01254, National Center for Research Resources, 4/1/1999-3/31/2004, \$3,911,413

Principal Investigator, 100%, Breeding Colony for Squirrel Monkeys - Malaria Study, 200-2003-01848, Centers for Disease Control (CDC), 1/1/2003-1/1/2008, \$389,591

Principal Investigator, 5%, A Squirrel Monkey Breeding and Research Resource - Owl Monkey Supplement, P40 RR01254, NIH, 1/1/2004, \$423,651

Principal Investigator, 5%, Owl Monkey Breeding and Research Resource, 1 R24 RR020052-01, NIH/NCRR, 6/1/2004-5/31/2010, \$2,132,993 (\$424,129/year)

Principal Investigator, 1%, Extramural Research Facilities Construction, 1 CO6 RR020129-01, NIH/NCRR, 9/30/2005-6/30/2009, \$4,000,000

Principal Investigator, 20%, Chimpanzee Biomedical Research Resource, U42 RR015090-08, NIH/NCRR, 9/1/2006-8/31/2016, \$8,441,154 (\$1,623,889/year)

Principal Investigator, 2%, Training Clinical Veterinarians in Nonhuman Primate Clinical Medicine, 5 R25 RR024503 01, NIH/NCRR, 9/21/2007-7/31/2013, \$651,875 (\$116,661/year)

Co-Investigator, Development of a Nonhuman Primate Model of Polyomavirus Disease, 1R24OD018553, NIH/NIAID, PI - Vanchiere, John, 4/1/2016-12/31/2019, \$596,325

**Not Funded**

N/A

**Protocols**

**Funded**

N/A

**Unfunded**

N/A

**Patents and Technology Licenses**

**Patents**

N/A

**Technology Licenses**

N/A

**Grant Reviewer/Service on Study Sections**

N/A

**PUBLICATIONS**

**Peer-Reviewed Original Research Articles**

1. Rangan SR, Martin LN, Enright FM, Abee CR. Herpesvirus saimiri-induced lymphoproliferative disease in howler monkeys. *J Natl Cancer Inst* 59(1):165-71, 7/1977. PMID: 195067.
2. Felsenfeld AD, Abee CR, Gerone PJ, Soike KF, Williams SR. Phosphonoacetic acid in the treatment of simian varicella. *Antimicrob Agents Chemother* 14(3):331-5, 9/1978. PMID: 213014.
3. Kim JC, Abee CR, Wolf RH. Acute gastric dilatation and rickets in a pet spider monkey (*Ateles geoffroyi*). *Vet Med Small Anim Clin* 73:1303-6, 10/1978. PMID: 103273.
4. Kim JC, Abee CR, Wolf RH. Balantidiosis in a chimpanzee (*Pan troglodytes*). *Lab Anim* 12:231-3, 10/1978. PMID: 732267.

5. Gyr K, Abee C, Felsenfeld O. Response of small intestinal flora to elemental diet and pancreatic duct ligation in vervet monkey. *J Med Primatol* 10:46-51, 1981. PMID: 7277464.
6. Ward BJ, Longenecker HE Jr, Abee CR. Data management for a non-human primate research laboratory. *The ACM Portal* 1:59-64, 1982.
7. Eggen DA, Abee CR, Malcom GT, Strong JP. Survey of serum cholesterol and triglyceride concentration and lipoprotein electrophoretic pattern in rhesus monkeys (*Macaca mulatta*). *J Med Primatol* 11:1-9, 1982. PMID: 7120357.
8. Aksel S, Abee CR. A pelvimetry method for predicting perinatal mortality in pregnant squirrel monkeys (*Saimiri sciureus*). *Lab Anim Sci* 33:165-7, 4/1983. PMID: 6855185.
9. Abee CR, Aksel S. Hysterosalpingography: A technique to aid in assessment of reproductive fitness of female squirrel monkeys (*Saimiri sciureus*). *Lab Anim Sci* 33:593-6, 12/1983. PMID: 6664072.
10. Melchior GW, Baker HN, Abee CR, Roheim PS. Density gradient characterization of the high density lipoproteins in cholesterol-fed hyper- and hyporesponding patas monkeys (*Erythrocebus patas*). *J Lipid Res* 25:979-90, 9/1984. PMID: 6436420.
11. Wiebe R, Diamond EJ, Akesel S, Liu P, Williams LE, Abee CR. Diurnal variations of androgens in sexually mature male bolivian squirrel monkeys (*Saimiri sciureus*) during the breeding season. *Am J Primatol* 7:291-297, 1984.
12. Diamond EJ, Aksel S, Hazelton JM, Jennings RA, Abee CR. Seasonal changes in serum concentrations of estradiol and progesterone in bolivian squirrel monkeys (*Saimiri sciureus*). *Am J Primatol* 6:103-113, 1984.
13. Aksel S, Diamond EJ, Hazelton J, Wiebe RH, Abee CR. Progesterone as a predictor of cyclicity in bolivian squirrel monkeys during the breeding season. *Lab Anim Sci* 35:54-7, 2/1985. PMID: 4039012.
14. Diamond EJ, Aksel S, Hazelton JM, Barnet SB, Williams LE, Abee CR. Serum hormone patterns during abortion in the bolivian squirrel monkey. *Lab Anim Sci* 35:619-23, 12/1985. PMID: 4094399.
15. Pindak FF, de Pindak MM, Abee CR, Gardner WA Jr. Detection and cultivation of intestinal trichomonads of squirrel monkeys (*Saimiri sciureus*). *Am J Primatol* 9:197-205, 1985.
16. Williams LE, Vitulli W, Wiebe RH, McElhinney T, Abee CR. Male behavior through the breeding season in *Saimiri boliviensis boliviensis*. *Am J Primatol* 11:27-35, 1986.
17. Pindak FF, Gardner WA Jr, Mora de Pindak M, Abee CR. Detection of hemagglutinins in cultures of squirrel monkey intestinal trichomonads. *J Clin Microbiol* 25:609-14, 4/1987. PMID: 3571468.
18. Gardner WA, Culberson DE, Scimeca JM, Brady AG, Pindak FF, Abee CR. Experimental genital trichomoniasis in the squirrel monkey (*Saimiri sciureus*). *Genitourin Med* 63:188-91, 6/1987. PMID: 3610164.
19. Diamond EJ, Aksel S, Hazelton JM, Wiebe RH, Abee CR. Serum oestradiol, progesterone, chorionic gonadotrophin and prolactin concentrations during pregnancy in the bolivian squirrel monkey (*Saimiri sciureus*). *J Reprod Fertil* 80:373-81, 7/1987. PMID: 3656275.
20. Baker HN, Abee CR. Effect of ovariectomy on response to dietary cholesterol in patas monkeys (*Erythrocebus patas*). *Exp Mol Pathol* 47:76-89, 8/1987. PMID: 3111879.
21. Williams LE, Abee CR, Barnes SR, Ricker RB. Cage design and configuration for an arboreal species of primate. *Lab Anim Sci* 38(3):289-91, 6/1988. PMID: 3411915.
22. Pindak FF, Mora de Pindak M, Gardner WA Jr, Abee CR. Basic properties of *tritrichomonas mobilensis* hemagglutinin. *J Clin Microbiol* 26:1460-3, 8/1988. PMID: 3170709.
23. Culberson DE, Scimeca JM, Gardner WA Jr, Abee CR. Pathogenicity of *tritrichomonas mobilensis*: Subcutaneous inoculation in mice. *J Parasitol* 74:774-80, 10/1988. PMID: 3418457.
24. Williams LE, Abee CR. Aggression with mixed age-sex groups of bolivian squirrel monkeys following single animal introductions and new group formations. *Zoo Biol* 7:139-145, 1988.
25. Brady AG, Pindak FF, Abee CR, Gardner WA Jr. Enteric trichomonads of squirrel monkeys (*Saimiri* sp): Natural infestation and treatment. *Am J Primatol* 14:65-71, 1988.
26. Nelson GA, Scimeca JM Jr, Abee CR, Gardner WA Jr. Intraprostatic spermatozoa in the squirrel monkey. *Prostate* 12:321-324, 1988.



27. Yeoman RR, Aksel S, Hazleton JM, Williams LE, Abee CR. In-vitro bioactive luteinizing hormone assay shows cyclical, seasonal hormonal changes and response to luteinizing-hormone releasing hormone in the squirrel monkey (*Saimiri boliviensis boliviensis*). *Am J Primatol* 14:167-175, 1988.
28. Clark WB, Magnusson I, Abee C, Collins B, Beem JE, McArthur WP. Natural occurrence of black-pigmenting bacteroides species in the gingival crevice of the squirrel monkey. *Infect Immun* 56:2392-2399, 1988.
29. Wiebe RH, Williams LE, Abee CR, Yeoman RR, Diamond EJ. Seasonal changes in serum dehydroepiandrosterone, androstenedione, and testosterone levels in the squirrel monkey (*Saimiri boliviensis boliviensis*). *Am J Primatol* 14:285-291, 1988.
30. Brady AG, Williams LE, Scimeca JM, Abee CR. Studies of seizures in infant squirrel monkeys (*Saimiri boliviensis* and *Saimiri sciureus*). *ISVP Newsletter* 1, 1988.
31. Scimeca JM, Culberson DE, Abee CR, Gardner WA Jr. Intestinal trichomonads (*tritrichomonas mobilensis*) in the natural host *Saimiri sciureus* and *Saimiri boliviensis*. *Vet Pathol* 26:144-7, 3/1989. PMID: 2711571.
32. Thompson ME, MacMillan LA, Bethea CL, Williams LE, Abee CR, Scammell JG. Determination of lactogenic activity in the serum of the squirrel monkey (*Saimiri boliviensis*) using the Nb2 lymphoma bioassay. *Am J Primatol* 19:175-181, 1989.
33. Abee CR. The squirrel monkey in biomedical research. *Ilar News* 31(1):11-20, 1989.
34. VandeBerg JL, Aivaliotis MJ, Williams LE, Abee CR. Biochemical genetic markers of squirrel monkeys and their use for pedigree validation. *Biochem Genet* 28(1-2):41-56, 2/1990. PMID: 2344347.
35. Brady AG, Williams LE, Abee CR. Hypoglycemia of squirrel monkey neonates: Implications for infant survival. *Lab Anim Sci* 40(3):262-5, 5/1990. PMID: 2162980.
36. Moore CM, Harris CP, Abee CR. Distribution of chromosomal polymorphisms in three subspecies of squirrel monkeys (genus *Saimiri*). *Cytogenet Cell Genet* 53(2-3):118-22, 1990. PMID: 2369837.
37. VandeBerg JL, Williams-Blangero S, Moore CM, Cheng M, Abee CR. Genetic relationships among three squirrel monkey types: Implications for taxonomy, biomedical research, and captive breeding. *Am J Primatol* 22:101-111, 1990.
38. Yeoman RR, Williams LE, Aksel S, Abee CR. Mating-related estradiol fluctuations during the estrous cycle of the bolivian squirrel monkey (*Saimiri boliviensis boliviensis*). *Biol Reprod* 44:640-7, 4/1991. PMID: 2043735.
39. Brady AG, Johnson WH Jr, Botchin MB, Williams LE, Scimeca JM, Abee CR. Developmental changes in ECG associated with heart rate are similar in squirrel monkey and human infants. *Lab Anim Sci* 41:596-601, 12/1991. PMID: 1667205.
40. Alexander SE, Yeoman RR, Williams LE, Aksel S, Abee CR. Confirmation of ovulation and characterization of luteinizing hormone and progesterone secretory patterns in cycling, isosexually housed bolivian squirrel monkeys (*Saimiri boliviensis boliviensis*). *Am J Primatol* 23:55-60, 1991.
41. Aksel S, Yeoman RR, Hazelton J, Williams L, Abee, C. Effects of 17-hydroxyprogesterone caproate (17-OHPC) administration to pregnant squirrel monkeys (*Saimiri boliviensis boliviensis*). *Am J Primatol* 25:175-183, 1991.
42. Scammell JG, Haynes AL, Williams LE, Abee CR. An immunoradiometric assay for squirrel monkey prolactin. *Lab Anim Sci* 42(3):293-6, 6/1992. PMID: 1320162.
43. Scammell JG, Von Haven R, Friesen HG, Wear LB, Thompson ME, Brady AG, Williams LE, Abee CR. Characterization of prolactin and growth hormone immuno- and bioactivities in the pituitary gland and serum of the squirrel monkey (*Saimiri boliviensis boliviensis*). *Am J Primatol* 26:35-46, 1992.
44. Yeoman RR, Helvacioğlu A, Williams LE, Aksel S, Abee CR. Restoration of oocyte maturational competency during the nonbreeding season with follicle-stimulating hormone stimulation in squirrel monkeys (*Saimiri boliviensis boliviensis*). *Biol Reprod* 50:329-35, 2/1994. PMID: 8142548.
45. Helvacioğlu A, Aksel S, Yeoman RR, Williams LE, Abee CR. Age-related hormonal differences in cycling squirrel monkeys (*Saimiri boliviensis boliviensis*). *Am J Primatol* 32:207-213, 1994.

46. Williams L, Gibson S, McDaniel M, Bazzel J, Barnes S, Abee C. Allo maternal interactions in the bolivian squirrel monkey (*Saimiri boliviensis boliviensis*). *Am J Primatol* 34:145-56, 1994.
47. Coates KW, Gibson S, Williams LE, Brady A, Abee CR, Shull BL, Kuehl TJ. The squirrel monkey as an animal model of pelvic relaxation: An evaluation of a large breeding colony. *Am J Obstet Gynecol* 173(6):1664-9; discussion 1669-70, 12/1995. PMID: 8610742.
48. Morelli L, Wei L, Amorim A, McDermid J, Abee CR, Frangione B, Walker LC, Levy E. Cerebrovascular amyloidosis in squirrel monkeys and rhesus monkeys: Apolipoprotein E genotype. *FEBS Lett* 379:132-4, 1/1996. PMID: 8635577.
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**Invited Articles**

N/A

**Editorials**

N/A

**Other Articles**

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**Abstracts**

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96. Gibson SV, Brady AG, Abee CR. Neoplasms in squirrel monkeys: Occurrence in a breeding colony from 1981-2001. *Contemp Top Lab Anim Sci* 42:115, 2003.
97. Brady AG, Williams LE, Parks VL, Abee CR. Squirrel monkey (*Saimiri* sp.) fetal growth parameters by ultrasound imaging in normal and abnormal pregnancies. *Contemp Top Lab Anim Sci* 42:68, 2003.
98. Abee CR, Gibson SV, Ruiz JC, Brady AG. New world species - parasites, bacteria and viruses. *Folia Primatologica* 75:154-155, A272, 2004.
99. Gibson SV, Williams LE, Abee CR. Twinning in squirrel monkeys (*Saimiri* spp.). *Am J Primatol* 62:114-115, A147, 2004.
100. Schuler, AM, Gordon, JW, Westberry, JM, Scammell, JG, Abee, CR. Ovulation induction in the squirrel monkey (*Saimiri* spp.) with pregnant mare serum gonadotropin. *Contemp Top Lab Ani Sci* 44(4):85, 2005.
101. Gibson SV, Ruiz JC, Brady AG, Abee CR. Inflammatory bowel disease in a juvenil male Peruvian squirrel monkey (*Saimiri boliviensis peruviensis*). *J Am Assoc Lab Anim Sci* 46(4):105, 2007.
102. Long LA, Gibson S, Williams L, Abee C. Owl Monkeys (*Aotus* sp.) utilize food directed and non-food directed enrichment items. *Am J Primatol* 69 Supp(1):53, 2007.



103. Brady AG, Gibson SV, Ruiz JC, Williams LE, Abee CR. The role of dietary iron in liver lesions and adverse health effects in Bolivian squirrel monkeys (*Saimiri boliviensis boliviensis*): Results of a two-year study. *J Am Assoc Lab Anim Sci* 46(4):141, 2007.
104. Brady AG, Schuler AM, Abee CR, Gibson SV. Intraventricular hemorrhage and hydrocephalus in an owl monkey (*Aotus nancymaae*). *J Med Primatol* 37 Suppl(1):95, 2008.
105. Copeland CM, Williams JT, Lee CW, Williams L, Abee CR, Vanchiere JA. Detection of the squirrel monkey polyomavirus in feces from Bolivian and Peruvian Squirrel monkeys in captivity. 2010 Louisiana NCRR/IDeA Biomedical Research Symposium. , 1/2010.
106. Vanchiere JA, Copeland CM, Williams JT, Hebert S, Ruiz J, Abee CR. Experimental infection of Bolivian squirrel monkeys with human BK virus by intragastric inoculation. 2010 Louisiana NCRR/IDeA Biomedical Research Symposium. , 1/2010.
107. Lambeth SP, Wilkerson GK, Hathaway A, Bernacky BJ, Buchl SJ, Rogge JR, Schapiro SJ, Abee CR, Satterfield WC. Behavioral considerations for quality of life assessment and the humane euthanasia of nonhuman primates. *American Journal of Primatology* 73(1):106 (#223), 9/2011.
108. Wilkerson GK, Lambeth SP, Bernacky BJ, Hopper LM, Phillips K, Williams L, Schapiro SJ, Abee CR. Unexpected Findings associated with the Long-Term use of Visual Barriers in established breeding groups of harem-housed Rhesus Macaques (*Macaca mulatta*). American College of Laboratory Animal Medicine National Forum, 5/2012.
109. Brady AG, Williams LE, Sherenco KD, Magden ER, Abee CR. Managing End-of-Life Decisions in Chronically Ill Owl Monkeys (*Aotus* spp.): A "Quality of Life" (QOL) Committee and the Attending Veterinarian. *J Am Assoc Lab Anim Sci* 51(5):641, 9/2012.
110. Vanchiere JA, McClure GB, Rogers DR, et al. Abstracts: 5th International Conference on Polyomaviruses: Basic and Clinical Perspectives "Human Development of a nonhuman primate model of polyomavirus disease in Bolivian squirrel monkeys". *J Neurovirol* 19(3):284-285, 5/2013.

#### **Book Chapters**

1. Abee CR. Medical care and management of the squirrel monkey. Chapter 16. In: *Handbook of Squirrel Monkey Research*. Plenum Publishing Company, 447-87, 1985.
2. Bernacky BJ, Gibson SV, Keeling ME, Abee CR. In: *Nonhuman Primates*. Academic Press, 675-91, 2002.
3. Brady AG, Gibson SV, Williams LE, Abee CR. Squirrel monkeys as an example of primate nursery medicine. In: *Nursery Rearing of Nonhuman Primates in the 21st Century*. Kluwer Academic/Plenum Publishers, 2005.
4. Williams LE, Brady AG, Abee CR. Squirrel monkeys. In: *The UFAW Handbook on the Care and Management of Laboratory and Other Research Animals*, 8th edition. Ed(s) R Hubrecht, J Kirkwood. Wiley-Blackwell, 2010.
5. Magden ER, Mansfield KG, Simmon JH, Abee CR. *Nonhuman Primates*. In: American College of Laboratory Animal Medicine Series, 3rd Edition. Elsevier, 2015.

#### **Books (edited and written)**

1. Bennett BT, Abee CR, Henrickson RV (Eds.). *Nonhuman Primates in Biomedical Research: Diseases*. Academic Press, Inc, 1995.
2. Bennett BT, Abee CR, Henrickson RV (Eds.). *Nonhuman Primates in Biomedical Research: Biology and Management*. Academic Press, Inc, 1998.
3. CR Abee, K Mansfield, S Tardiff, T Morris (Eds.). *Nonhuman Primates in Biomedical Research: Biology and Management*. In: American College of Laboratory Animal Medicine Series. Volume 1, 2nd edition. Elsevier, 2012. PMID: 9780123813657.
4. CR Abee, K Mansfield, S Tardiff, T Morris (Eds.). *Nonhuman Primates in Biomedical Research: Diseases*. In: American College of Laboratory Animal Medicine Series. Volume 2, 2nd edition. Elsevier, 2012.

#### **Letters to the Editor**

1. Lee DR, Zola SM, VandeBerg JL, Rowell TJ, Abee CR. Regarding Bettauer 2010 (39:9-23). *Journal of Medical Primatology*. e-Pub 8/2010.

#### **Manuals, Teaching Aids, Other Teaching Publications**

1. Yeoman RR, Aksel S, Hazelton J, Abee, CR. A bioactive luteinizing hormone surge associated with a progesterone rise may precede the estrogen peak in female squirrel monkeys (*Saimiri boliviensis*). Poster presentation at the Annual Meeting, 6/1985.
2. Schuler AM, Abee CR. Enrichment for nonhuman primates: Squirrel monkeys (*Saimiri*). NIH, Office of Laboratory Animal Welfare, Department of Health and Human Services, 2005.

**Other Publications**

N/A

**EDITORIAL AND REVIEW ACTIVITIES**

**Editor/Service on Editorial Board(s)**

Editorial Board, Proceeding of the Society for Experimental Biology and Medicine, 1993-1999

**Member of Editorial Review Board**

N/A

**Journal Reviewer**

Reviewer, American Journal of Primatology, 1988-present

**Other Editorial and Review Activities**

Scientific Review Board Member, Comparative Medicine, 1984-1997

Editorial Advisory Committee Member, Comparative Medicine, 1997-2000

**TEACHING**

**Teaching Within Current Institution - GSBS**

**Formal Teaching**

**Courses Taught**

Instructor, Introduction to Large Animal Models, GSBS, Course Number: GS21 0122  
2007-2009

**Training Programs**

N/A

**Other Formal Teaching**

Lecturer, R25 Training Grant/Taxonomy and General Anatomy of Primates  
9/2007-2013

**Supervisory Teaching**

**Committees**

**Advisory Committees**

N/A

**Supervisory Committees**

N/A

**Examining Committees**

N/A

**Direct Supervision**

**Undergraduate and Allied Health Students**

N/A

**Medical Students**

N/A

**Graduate Students**

N/A

**Postdoctoral Research Fellows**

N/A

**Clinical Residents and Fellows**

N/A

**Other Supervisory Teaching**

N/A

**Teaching Outside Current Institution**

**Formal Teaching**

**Courses Taught**

Lecturer, Exotic and Laboratory Animals, Texas A&M University College of Veterinary Medicine

2007-2008

Essentials of Animal Experimentation, Graduate Program of the University of South Alabama, College of Medicine

**Training Programs**

N/A

**Other Formal Teaching**

N/A

**Supervisory Teaching**

**Committees**

**Advisory Committees**

N/A

**Supervisory Committees**

N/A

**Examining Committees**

N/A

**Direct Supervision**

**Undergraduate and Allied Health Students**

N/A

**Medical Students**

N/A

**Graduate Students**

Dissertation, University of South Alabama College of Medicine Basic Science Graduate Program in Structural and Cellular Biology, Yupo Ma, 1991

Dissertation, University of South Alabama College of Medicine Basic Science Graduate Program in Molecular and Cellular Pharmacology, Phillip Reynolds, 1993-1998

**Postdoctoral Research Fellows**

N/A

**Clinical Residents and Fellows**

N/A

**Other Supervisory Teaching**

N/A

**CONFERENCES AND SYMPOSIA**

**Organization of Conferences/Symposia (Include chairing session)**

N/A

**Presentations at National or International Conferences**

**Invited**

Preservation of Laboratory Animal Resources, National Academy of Science, National Research Council, ILAR Committee on Preservation of Laboratory Animal Resources, Washington, DC, 6/1/1986

Development of Transgenic Animal Model Resources, Development of Transgenic Animal Model Resources, Bethesda, MD, 11/1/1990

USA's Primate Research Laboratory: An Important National Biomedical Research Resource, 1997 Sigma Xi Sponsored Colloquia Advances in Science, University of South Alabama, Mobile, AL, 4/1/1997

Enrichment Strategies in the Management of Nonhuman Primate Colonies in the United States, International Joint Meeting XII International Council for Laboratory Animal Sciences (ICLAS) General Assembly and Conference, 7th FELASA Symposium, Palma de Mallorca, Spain, 5/1/1999

The History of the American College of Laboratory Animal Medicine, the European Society of Laboratory Animal Veterinarians (ESLAV), Palma de Mallorca, Spain, 5/1/1999

ASLAP Excellence in Research Award: Neotropical Primate - Biology and Biomedicine, American Veterinary Medical Association, Washington, DC, 7/2007

Supply and utilization of Nonhuman primates around the world, Animal Research in a Global Environment: Meeting the Challenges, Institute for Laboratory Animal Research, Washington, DC, 9/25/2008

Biological Anthropology, Comparative Medicine, and the Study of Human Diseases at the Michale E. Keeling Center for Comparative Medicine and Research, XII Latin American Congress of Biological Anthropology, San Jose, Costa Rica, 11/2012

Chimpanzees in Research Following the Institute of Medicine Report, Association of Primate Veterinarians 40th Workshop, St. Paul, MN, 11/2012

Abee CR, Schapiro SJ, Williams LE. Using Natural History of Nonhuman Primates to Create Healthy Captive Environments, ACCMAL/FESSACAL/ICLAS, Costa Rica, 7/23/2014

#### **Other, Including Scientific Exhibitions**

Current Trends in the Development of Corral Housed Breeding Colonies of Rhesus Monkeys (*Macaca mulatta*), National Capital Area Branch Meeting of the American Association for Laboratory Animal Science, Cockeysville, MD, 1974

Current Veterinary Therapy for Laboratory Animal Diseases; Therapeutic Medicine: New World Primates, American Association for Laboratory Animal Science, New York, NY, 9/1/1978

Progress in Medical Care and Research Approaches to the Study of Reproductive Biology of New World Monkeys, Annual Meeting of the Association of Primate Veterinarians, Seattle, WA, 5/1/1982

A Domestic Bolivian Squirrel Monkey Breeding Resource, National Science Foundation, National Research Council Commission on Life Sciences, ILAR Committee on Preservation of Laboratory Animal Resources, Washington, DC, 6/1/1986

Implications of Psychological Well-Being in Primate Medicine and Colony Management, Symposium at the Annual Meeting of the American Society of Primatologists, New Orleans, LA, 6/1/1988

Environmental Enhancement Plans to Promote Psychological Well-being in Nonhuman Primates, APV Meeting, Rochester, NY, 10/1/1991

A National Breeding and Research Resource of Squirrel Monkeys, 17th Annual Meeting of the Association of Primate Veterinarians, Madison, WI, 8/1/1996

Induction of Superovulation by Juvenile Squirrel Monkeys (*Saimiri*), 16th Congress of the International Primatological Society and the 19th Conference of the American Society of Primatologists, Madison, WI, 8/1/1996

"General Principles of Grant Writing," Speaker at the Round-Table Discussion "Getting the Funding Needed for Your Research, Education and Public Outreach Projects," AALAS

Foundation and the ACLAM Foundation at the 53rd AALAS National Meeting, San Antonio, TX, 10/1/2002

New World Monkeys: Research Use and Availability, "Nonhuman Primate Availability: Past, Present, Future," on October 28, 2002, sponsored by the American College of Laboratory Animal Medicine (ACLAM) and the American Society of Laboratory Animal Practitioners (ASLAP) at the 53rd AALAS National Meeting, San Antonio, TX, 10/28/2002

Social Housing of New World Species, American Association for Laboratory Animal Science (AALAS) Annual Meeting, Seattle, WA, 10/1/2003

#### **Seminar Invitations from Other Institutions**

Biology, Diseases and Husbandry of Nonhuman Primates, Auburn University College of Veterinary Medicine, Auburn, AL, 12/1/1992

Biology of Saimiri spp., University of Alabama at Birmingham, Birmingham, AL, 11/1/1993

Biology and Husbandry of Nonhuman Primates, Auburn University, Auburn, AL, 12/1/1993

Biology and Management of Nonhuman Primates, Auburn University College of Veterinary Medicine, Auburn, AL, 11/1/1994

Nonhuman Primate Biology and Medicine, Auburn University College of Veterinary Medicine, Auburn, AL, 12/1/1995

Squirrel Monkey Breeding and Research: A National Resource, Universidad de Buenos Aires, Facultad de Ciencias Veterinarias, Buenos Aires, Argentina, 11/1/1996

Enrichment and Veterinary Care in the Research Environment, Animal Well-Being Scientific Interest Group, National Institutes of Health, Bethesda, MD, 6/11/2009

Research Programs at the Michale E. Keeling Center: Developing Animal Models in the Era of Translational Science, UT Health Science Center at Houston, Department of Pathology & Laboratory Medicine, Houston, TX, 10/5/2012

Influencing Others, Group Coaching Program, UTMDACC-Houston, Human Resources, 12/12/2012

Ensuring Continued Responsible Research with Non-Human Primates, National Institutes of Health, 9/7/2016

Nonhuman Primate Research Trends, MITRE Corporation, MITRE Corporation, McLean, VA, 9/30/2016

#### **Lectureships and Visiting Professorships**

N/A

#### **Other Presentations at State and Local Conferences**

The Search for Serum Lipid Abnormalities in the Rhesus Monkey (*Macaca mulatta*), Tulane University, Delta Regional Primate Research Center, New Orleans, LA, 1/1/1978

Current Veterinary Therapy for Laboratory Animal Diseases; Therapeutic Medicine: New World Primates, American Animal Hospital Association, New Orleans, LA, 4/1/1979

Problems and Approaches to Captive Reproduction of Neotropical Primates, Postdoctoral Training Seminar Series of the Department of Comparative Medicine, University of Alabama at Birmingham Medical Center, Birmingham, AL, 12/1/1980

The Development of the Primate Research Laboratory at the University of South Alabama, Meeting of the Mobile-Baldwin County Veterinary Medical Society, AL, 11/1/1981

Diseases of Nonhuman Primates, Postdoctoral Training Seminar Series of the Department of Comparative Medicine, University of Alabama at Birmingham Medical Center, Birmingham, AL, 12/1/1981

Use of Non-human Primates in Biomedical Research, Science Division Seminar, Springhill College, Mobile, AL, 1/1/1982

Medical Care and Management of Neotropical Primates, Department of Comparative Medicine, University of Alabama at Birmingham, Birmingham, AL, 10/1/1983

Medical Primatology - Neotropical Primates, Department of Comparative Medicine, University of Alabama at Birmingham, Birmingham, AL, 10/1/1984

A Squirrel Monkey Model of Parkinson's Disease, Bowman Gray School of Medicine of Wake Forest University, Winston-Salem, NC, 4/1/1985

Experimental Induction of Parkinson's, Neuropathology/Neurology Grand Rounds, University of South Alabama Medical Center, Mobile, AL, 4/1/1985

Experimental Parkinsonism in Nonhuman Primates, Louisiana State University Medical Center, New Orleans, LA, 4/1/1985

The Squirrel Monkey in Biomedical Research: Studies to Optimize Captive Reproduction, Department of Pharmacology Research Seminars, University of South Alabama, Mobile, AL, 4/1/1985

Changing Attitudes Toward the Use of Animals in Research and Teaching, Southern Veterinary Medical Federation, Mobile, AL, 10/1/1986

An Animal Model of Parkinson's Disease, Neurology/Neurosurgery Grand Rounds, University of South Alabama Medical Center, Mobile, AL, 3/1/1987

Animal Models of Parkinson's Disease, Southeastern Branch of the American Association for Laboratory Animal Science Meeting, Charleston, SC, 1/1/1988

Medical Care of the Squirrel Monkey, Seminar, Battelle Northwest Laboratories, Pasco, WA, 1/1/1989

Contemporary Strategies for Well-being in Captive Primates, Seminar, Biomedical Research Group, University of South Alabama College of Medicine, Mobile, AL, 4/1/1989

Institutional Care and Use Program, Seminar, Neurobiology Seminar Group, University of South Alabama, Mobile, AL, 6/1/1989

Reproductive Biology of the Squirrel Monkey, American Society of Tropical Medicine and Hygiene, Honolulu, HI, 12/1/1989

Animals in Research, University of South Alabama College of Medicine Summer Research Students, University of South Alabama College of Medicine, Mobile, AL, 7/1/1990

The Use of Squirrel Monkeys in Biomedical Research, Winter SEALLAS Meeting, Mobile, AL, 1/1/1991

New World Primates: Availability, Breeding, Models in Research, Laboratory Animal Medicine Research Seminar, University of Pennsylvania, Philadelphia, PA, 1/1/2002

Alternative New World Primate Models for Non-AIDS Research, Workshop on Rhesus Monkey Demands in Biomedical Research, National Academy of Sciences, Washington, DC, United Kingdom, 4/1/2002

A Research and Resource Center for Neotropical Primates, National Primate Center of Brazil (CENP), Belem, Brazil, 3/1/2004

Chimpanzee in Biomedical Research: Status and Strategic Planning, University of Texas M. D. Anderson Cancer Center Department of Veterinary Sciences, Bastrop, TX, 5/1/2004

Exit briefing, National Scientific Advisory Board (NSAB) Southwest National Primate Research Center, San Antonio, TX, 8/1/2004

Exit briefing, National Scientific Advisory Board (NSAB) Southwest National Primate Research Center, San Antonio, TX, 11/1/2005

Preparing for the Future, SCAW Institutional Challenges in a Changing World: How will IACUCs and Scientists Meet the Challenge?, SCAW Conference, San Antonio, TX, 12/1/2005

The Role of Veterinary Medicine in Biomedical Research, Pan American Science and Engineering Symposium, Hispanic Engineering, Science and Technology (HESTEC), McAllen, TX, 9/1/2006

The Preclinical Studies Program at the Michale E. Keeling Center for Comparative Medicine and Research, Texas Society for Biomedical Research, Austin, TX, 9/2012

## **PROFESSIONAL MEMBERSHIPS/ACTIVITIES**

### **Professional Society Activities, with Offices Held**

#### **National and International**

American Veterinary Medical Association  
Member, 1971

American Association for Laboratory Animal Science  
Member, 1972  
Annual Meeting Assistant Program Chair, 1984  
Annual Meeting Program Chair, 1985  
Chair, Committee to Study Development of a Technical/Management Publication, 1987-1988

American College of Laboratory Animal Medicine  
Diplomate, 1975  
Member, Task Force on Certifying Examination, 1986-1989  
Board of Directors, Task Force on Certifying Examination, 1990-1992  
Vice President, Task Force on Certifying Examination, 1996-1997  
President Elect, Task Force on Certifying Examination, 1997-1998  
President, Task Force on Certifying Examination, 1998-1999  
Past President, Task Force on Certifying Examination, 1999-2000  
Member, Awards Committee, 2005-present  
Member, Nominations Committee, 2006-present

American Association for the Advancement of Science  
Member, 1977

American Society of Primatologists  
Charter Member, 1977  
Education Committee, 1986-1987  
Nominating Committee, 1987-1988  
Program Committee, 1988-1990

Association of Primate Veterinarians  
Member, 1977  
Board of Directors, 6/1982-10/1984  
Annual Meeting Chair, Local Arrangement Committee, 1989  
President Elect, 1995-1996  
President, 1996-1997  
Past President, 1997-1998

Mobile-Baldwin Veterinary Medical Association  
Member, 1985

Society for the Study of Reproduction  
Elected Member, 1986

American Fertility Society  
Member, 1989

American Society of Tropical Veterinary Medicine  
Member, 1989

Society for Experimental Biology and Medicine  
Member, 1993

American Association of Veterinary Medical Colleges  
Member of Comparative Medicine Group, 1994  
Chair, Animal Care Committee, 1995  
Member, Strategic Planning Committee, 1995

National Association for Biomedical Research  
Board of Directors, 9/2012-8/2015

NIH Advisory Committee to the Deputy Director of Intramural Research, Office of Animal Care  
& Use, Bethesda, MD  
Site Visit Committee Member, 11/2014-present

**Local/State**

Texas Veterinary Medical Association, TX  
Member, 1971

Alabama Academy of Science, AL  
Member, 1983

**UNIQUE ACTIVITIES**

N/A

**DATE OF LAST CV UPDATE**

05/30/2020