

CURRICULUM VITAE

Thomas Vincent Peterson

ADDRESS

Work

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PERSONAL

Military Service: United States Air Force - Active Duty as Operating Room Technician, Assistant NCOIC of Surgery Section - Final Rank of Staff Sergeant (October 1969 - August 1973).

EDUCATION

Degree	Year	Institution
<u>High School</u>	1964	Amundsen High School; Chicago, Illinois.
<u>B.S.</u>	1968	Bethany College; Lindsborg, Kansas. Major: Chemistry. Kansas State University; Manhattan, Kansas. Major: Master's Program in Biochemistry. (September 1968-May 1969; left program to enter military).
<u>Ph.D.</u>	1977	The University of Oklahoma Health Sciences Center; Oklahoma City, Oklahoma. Major: Medical Physiology. Advisor: Dr. M. Jack Keyl.

PROFESSIONAL EXPERIENCE

- 1968-1969 Graduate Teaching Assistant, Department of Biochemistry, Kansas State University.
- 1973-1977 Graduate Assistant, Department of Physiology and Biophysics, The University of Oklahoma Health Sciences Center.
- 1977-1979 Postdoctoral Fellow, Department of Physiology and Biophysics, The University of Nebraska Medical Center. Sponsor: Dr. Joseph P. Gilmore.
- 1979-1985 Assistant Professor, Department of Medical Physiology, College of Medicine, Texas A&M University.
- 1985-1993 Associate Professor (tenured), Department of Medical Physiology, College of Medicine, Texas A&M University Health Science Center.
- 1993-2005 Professor, Department of Medical Physiology, College of Medicine, Texas A&M University Health Science Center.
- 2001-2007 Director, Office of Medical Education, College of Medicine, Texas A&M University System Health Science Center.
- 2006-Present Professor, Department of Systems Biology and Translational Medicine, College of Medicine, Texas A&M University System Health Science Center.

HONORS AND AWARDS

- 1978 National Institutes of Health National Research Service Award
- 1981 National Institutes of Health New Investigator Research Award
- 1983 Outstanding Lecturer, Texas A&M University College of Medicine
- 1984 National Institutes of Health Research Career Development Award
- 1993, 1995 National Institutes of Health Fogarty Center Senior International Fellowship in Department of Medical Physiology, University of Copenhagen. Institutional Host Sponsor: Dr. Peter Bie.
- 1996 Texas A&M University Association of Former Students Distinguished Faculty Achievement Award in Teaching
- 2004 Selected for Harvard-Macy Scholars Program for Leaders in Medical Education

PROFESSIONAL SOCIETIES

American Physiological Society - Cardiovascular Section (Fellow), Section on Water and Electrolyte Homeostasis (Member)

American Heart Association - Council for High Blood Pressure Research (Fellow), Basic Science Council, Council on the Kidney in Cardiovascular Disease

American Society of Nephrology

Association of American Medical Colleges (AAMC) Southern Group on Educational Affairs (SGEA)

International Association of Medical Science Educators (IAMSE)

TEACHING EXPERIENCE

Kansas State University:

1968-1969 Laboratory Instructor in Biochemistry (Graduate and Undergraduate students)

United States Air Force:

1972-1973 OJT Supervisor in Surgery, McConnell AFB, Kansas

University of Oklahoma Health Sciences Center:

1975 Lecturer on "Regulation of Respiration" in Applied Physiology (Dental Hygiene students).

1975,1976 Lecturer on Body Fluids and Electrolytes in Dental Physiology.

1976 Tutoring of Physicians Associate students in Medical Physiology.

Lecturer on Physiology of Respiration in Applied Physiology (Pharmacy students).

Lecturer on Renal Physiology in Dental Physiology.

1976,1977 Lecturer on Physiology of Respiration in Applied Physiology (Dental Hygiene students).

University of Nebraska College of Medicine:

- 1979 Lecturer on Renal Physiology in Intermediate Physiology (Physicians Assistants and Pharmacy students).
- Lecturer on "Endocrine Control of Renal Excretion in Terrestrial Mammals" in Comparative Physiology of Osmoregulation (Graduate Course).

Texas A&M University:

- 1980-2005 Lecturer on Body Fluids and the Kidney in Medical Physiology (Medical and Graduate Students)
- 1980-1986 Proctoring of Student laboratories in Medical Physiology (Medical and Graduate Students).
- 1981,1990-1996 Lecturer on Neurophysiology in Medical Physiology (Medical and Graduate Students).
- 1982, 1984 Lecturer on Endocrinology in Medical Physiology (Medical and Graduate Students).
- 1983, 1984,
1994-2005 Course Coordinator, Medical Physiology (Medical and Graduate Students)
- 1988, 1990,
1992, 1994,
1996, 1998 Course Coordinator and Lecturer in Integrative Cardiovascular Physiology (Graduate Course)
- 1994 Group Facilitator, Leadership in Medicine Course
- 1997-2009 Lecturer on Neurophysiology in Medical Neuroscience Course (Medical and Graduate Students)
- 1997-1999 Problem Based Learning Group Facilitator in Introduction to Clinical Medicine Course (Medical Students)
- 1997-2001 Problem Based Learning Group Facilitator in Physical Diagnosis Course (Medical Students)
- 1998-2002 Course Coordinator, Special Topics in Neurophysiology (Graduate Course)
- 2000, 2002-2006 Lecturer in Advanced Cardiovascular Biology (Graduate Course)
- 2000-2001 Problem Based Learning Group Facilitator in Problem Based Learning Second Year Elective Course (Medical Students)

2003-2005	Renal Organ Block Leader, Year I Curriculum.
2004	Endocrine System Organ Block Leader, Year I Curriculum
2004	Course Coordinator and Lecturer in Cardiovascular Science (Graduate Course)
2005-2009	Course Co-Coordinator, Structure and Function of Human Organ Systems (Medical Students).
2006-2009	Lecturer on Body Fluids and the Kidney in Structure and Function of Human Organ Systems (Medical Students)

RESEARCH INTERESTS

Neural and hormonal control of blood volume and renal function.

Mechanisms of release and renal effects of atrial natriuretic peptides.

Osmotic and volumetric control of antidiuretic hormone secretion.

Renal lymphatics and hemodynamics.

Medical Education

PAST RESEARCH SUPPORT

Nebraska Heart Association. "Cardiopulmonary Receptors and Blood Volume Control." Principal Investigator. \$6,000, 7/1/78-6/30/79.

National Institutes of Health National Research Service Award. "Cardiopulmonary Receptors and Blood Volume Control." \$13,000, 12/1/78-9/30/79.

American Heart Association, Texas Affiliate, Inc. "Cardiopulmonary Receptors and Blood Volume Control." Principal Investigator. \$15,990, 7/1/80-6/30/81.

American Heart Association, Texas Affiliate, Inc. "Renal Nerves and Blood Volume Control in the Primate." Principal Investigator. \$20,000, 7/1/81-6/30/82.

National Institutes of Health New Investigator Research Award. "Neural Control of Renal Excretion in the Primate." \$106,092, 6/1/81-5/31/84.

American Heart Association, Texas Affiliate, Inc. "Cardiopulmonary Receptors and Blood Volume Control." Principal Investigator. \$54,915, 7/1/82-6/30/84.

National Institutes of Health. "Neural Control of Blood Volume in the Nonhuman Primate." Principal Investigator. \$227,821, 6/1/84-3/31/88.

National Institutes of Health Research Career Development Award. "Neural Pathways and Renal Excretion in the Primate." \$229,758, 9/1/84-8/31/89.

National Institutes of Health. "Neurohumoral Control of Blood Volume in the Conscious Primate." Principal Investigator. \$609,677, 4/1/88-3/31/94.

National Institutes of Health Fogarty International Center. "Renal Effects of Nitric Oxide with Sodium Servo Control." Senior International Fellowship, \$39,370, 6/1/93-11/23/93; 7/1/95-9/1/95.

The Southern Arizona Foundation. "Nitric Oxide and Control of Renal Function in the Primate." Principal Investigator. \$29,938, 7/1/93-6/30/94.

The Southern Arizona Foundation. "Nitric Oxide and Control of Renal Function in the Primate." Principal Investigator. \$29,992, 7/1/94-6/30/95.

The Southern Arizona Foundation. "Nitric Oxide and Control of Renal Function in the Primate." Principal Investigator. \$30,537, 7/1/95-6/30/96.

The Southern Arizona Foundation. "Nitric Oxide and Control of Renal Function in the Primate." Principal Investigator. \$15,000, 7/1/96-12/31/97.

Texas A&M University Mexican American and U.S. Latino Research Center (MALRC) Development Grant, "Presence and Impact on Medical Learners of Spanish Language and Hispanic Cultural Awareness Training in U.S. Medical Education", Co-Principal Investigator, \$5,000, October, 2006 – September, 2007.

OTHER ACTIVITIES

PAST SERVICE ACTIVITIES

Department of Medical Physiology:

Member, Departmental Graduate Committee, 1986-87.

College of Medicine:

Member, Laboratory Animal Resources Committee, 1982- 1988.

Member, Faculty Advisory Committee, 1982-84.

Member, Ad Hoc Advisory Committee for Preparation of College of Medicine Catalog, 1984.

Member, Selection Committee for College Level Teaching Award, 984.

Guest Interviewer, Admissions Committee, 1984-90.

Member, Minority Recruitment Committee, 1985-91.

Member, Biomedical Research Support Grant Review Committee,1985-1989.

Member, Task Force on Curriculum-Basic Sciences, 1988-1989.

Member, College Station Faculty Tenure and Promotion Committee,1990-1991.

Chair, Texas A&M University College of Medicine Ad Hoc Faculty Grievance Committee, 1994.

Member, Texas A&M University College of Medicine LCME Self-Study Committee on the Educational Program Leading to the M.D. Degree, 1995-1996.

Member, Curriculum Study Group, 1995-

Chair, 2001- 2007.

Member, Ad Hoc Appeals Subcommittee of the College of Medicine Student Promotions Committee, 1996, 1999.

Chair, Dean's Committee on Curriculum, 1997-1998.

Coordinator, Texas A&M University Health Science Center College of Medicine Dean's Intercampus Collaborative Education (DICE) Committee, 1997- 2000.

Chair, Curriculum Steering Committee, 1999- 2001.

Member, Curriculum Design Subcommittee, 1999 -2001 .

Chair, Curriculum Committee Subcommittee on Curriculum Outcomes Analysis, 2000-2001.

Chair, Year I Curriculum Renewal Subcommittee, 2001-2002.

Member, Task Force on College of Medicine Class Size Initiative. 2002 – 2003

Member, Texas A&M College of Medicine Liaison Committee on Medical Education (LCME) Self-Study - Steering/Oversight Committee, 2003 - 2004.

Member, Texas A&M College of Medicine Liaison Committee on Medical Education (LCME) Self-Study - Educational Program for the M.D. Degree Committee, 2003- 2004

Member, Texas A&M College of Medicine Liaison Committee on Medical Education (LCME) Self-Study - Faculty Committee, 2003 - 2004.

Chair, Ad Hoc Committee to development a controlled substance policy, 2004-2005.

Member, Curriculum Coordinating Group, 2004- 2006. Member, Year III & IV Curriculum Subcommittee, 2002-2007.

Member, Year III & IV Curriculum Subcommittee, 2002-2007.

Member, Texas A&M College of Medicine Search Committee for Senior Associate Dean for Academic Affairs, 2006-2008.

Texas A&M University:

Member, University Laboratory Animal Care and Use Committee (IACUC), 1986-89

Chair, 1987-1989.

Member, Council of Principal Investigators, 1988-92.

Member, Animal Research Task Force -1990.

Member, Faculty Senate, Texas A&M University, 1994-1997. Bylaws Committee, 1994-1995.

Academic Affairs Committee, 1994-1995.

International Programs Subcommittee, 1994-1995.

Personnel and Welfare Committee, 1995-1997.

Planning Committee, 1995-1996.

Committee on Committees, 1995-1997.

Member, University Faculty Distinguished Achievement Awards Selection Committee, 1995.

Member, University Ad Hoc Committee to Review the University Statement on Academic Freedom, Responsibility, Tenure and Promotion, 1995-1996.

Member, University Tenure Mediation Committee, 1996-1999.

Member, University Drug Log Protocol Committee, 1999.

Chair, Texas A&M University System Health Science Center College of Medicine Southern Association of Colleges and Schools (SACS) Self-Study Committee on “Faculty”, 2000 - 2002.

Member, Texas A&M University System Health Science Center College of Medicine SACS Self-Study Committee on “Institutional Purpose and Effectiveness”, 2000 - 2002.

Member, Texas A&M University System Health Science Center College of Medicine SACS Self-Study Committee on “Principles and Philosophy of Accreditation Including the Condition of Eligibility”, 2000 - 2002.

Texas A&M University System Health Science Center:

Chair, Texas A&M University System Health Science Center Task Force on Undergraduate and Professional Students, 1997.

Chair, Texas A&M University System Health Science Center SACS Self-Study Committee on “Academic Issues”, 2000 - 2002.

Member, The Texas A&M University System Health Science Center Faculty Senate, 2000 – 2003. (Ex officio member – 2003)

Deputy Speaker, 2001 –2002

Speaker, 2002- 2003.

Member, Texas A&M University System Health Science Center SACS Self-Study Steering Committee, 2001- 2002.

Member, Texas A&M University System Health Science Center Executive Committee, 2002- 2003.

Texas A&M University System:

Member, Texas A&M University Committee to Review System Policy 12.01 Statement on Academic Freedom, Responsibility, Tenure and Promotion, 1996-1997.

State of Texas:

Member, Board of Directors, American Heart Association, Texas Affiliate, Inc., 1980-83.

Vice Chairman, Certification and Bylaws Committee, 1981-82

Member, Legislative Committee, 1982-83.

Member, Central Research Review Committee, American Heart Association, Texas Affiliate, Inc., 1987-91, 1993-1999.

Member, Steering Committee, the Cancer Teaching and Curriculum Enhancement in Undergraduate Medicine (CATCHUM) Project, 2003.

National:

Grant Reviewer for NASA Space Medicine proposals through the American Institute of Biological Sciences, 1989.

Member, Nominating Committee, Section on Water and Electrolyte Homeostasis, American Physiological Society, 1990-91.

Member, National Institutes of Health Ad Hoc Review Group, 1993.

Member, Animal Care and Experimentation Committee, American Physiological Society, 1993-1995.

Member, Editorial Board, American Journal of Physiology: Heart and Circulatory Physiology, 1993-1998.

Member, Awards Committee, American Physiological Society, 1997-2001

Chair, 2000-2001.

Member, American Heart Association Cardiovascular Regulation Peer Review Study Committee, 2000-2003.

Member, American Physiological Society Task Force on Awards, 2001- 2002.

Member, National Board of Medical Examiners (NBME) panel to review standards for Step 1 of the United States Medical Licensure Examination (USMLE), 2006.

Local Community:

Member, Board of Directors, Brazos County Heart Association, 1980-88.

Chairman, Speaker's Bureau, 1980-81.

Vice President, 1981-82.

President-Elect, 1982-83.

President, 1983-84.

PRESENT SERVICE ACTIVITIES

Department of Systems Biology and Translational Medicine:

Member, Departmental Tenure and Promotions Advisory Committee, 1988-.

Chair, 1996-.

College of Medicine:

Member, Admissions Committee, 1991-.

Vice-Chair, 1996-2001

Chair, 2001-.

Member, Student Promotions Committee, 1993-.

Vice-Chair, 1996-97

Chair, 1997-1999

Member, Academic Council, 1982-84. 2001- present (non-voting capacity).

Member, Year I Curriculum Reform Implementation Committee, 2002-.

Chair, 2003-.

Member, Year II Curriculum Renewal Subcommittee, 2002-.

Member, Texas A&M College of Medicine Curriculum Committee, 2005-.

Phase I Leader, new medical curriculum, 2009-.

Phase II Leader, new medical curriculum, 2009-.

Phase II Renal Block Leader, new medical curriculum, 2009-.

Texas A&M University System Health Science Center:

Member, Texas A&M University System Health Science Center Uniform Recruitment and Retention Steering Committee, 2001-.

State of Texas:

Alternate Council Member, State of Texas Joint Admissions Medical Program (JAMP), 2002-.

National:

Manuscript Reviewer: American Journal of Physiology
Journal of Applied Physiology
Acta Physiologica Scandinavica
Circulation
Circulation Research
Hypertension
Journal of the American Society of Nephrology
American Journal of the Medical Sciences
Proceedings of the Society for Experimental Biology and
Medicine
Life Sciences

Reviewer of medical education materials for American Physiological Society (APS) and American Association of Medical Colleges (AAMC).

Abstract Reviewer, American Heart Association National Meeting, 2003- .

Reviewer for AAMC MedEd PORTAL medical education website, 2007 -.

International:

Member, Membership Committee, International Association of Medical Science Educators (IAMSE), 2006-.

Local Community:

Westminster Presbyterian Church

Sunday School Superintendent, 1999 – 2002, 2004 - .

Sunday School Ministry Team, 1999 –.

Chair, 1999-2002.

Children's Sunday School Superintendent, 2002 - 2004.

Member, International Missions Committee, 2000 – 2005.

Member, Christian Education Committee, 2006-.

Member, Worship Committee, 2006-.

Member, Adult Choir, 1988 -.

BIBLIOGRAPHY

ORIGINAL PAPERS

1. **Peterson, T.V.** Renal lymph and intrarenal venous blood as differentiators of renal cortical and medullary function in the dog. Doctoral Dissertation. The University of Oklahoma Graduate College, 1977.
2. Furr, P.A., **T.V. Peterson**, J.E. Dale, L.B. Hinshaw and M.J. Keyl. Effect of endotoxin on glucose uptake by the isolated forelimb of the dog. *Circulatory Shock* 5:43-50, 1978.
3. **Peterson, T.V.**, B. Benjamin, E.M. Hasser and M.J. Keyl. Lymph and intrarenal venous blood as indicators of canine renal cortical function. *Investigative Urology* 16:131-133, 1978.
4. Gilmore, J.P., **T.V. Peterson** and I.H. Zucker. Neither dorsal root nor baroreceptor afferents are necessary for eliciting the renal responses to acute intravascular volume expansion in the non-human primate *Macaca fascicularis*. *Circulation Research* 45:95-99, 1979.
5. **Peterson, T.V.**, J.P. Gilmore and I.H. Zucker. Renal responses of the recumbent non-human primate to total body water immersion. *Proceedings of the Society for Experimental Biology and Medicine* 161:260-265, 1979.
6. Zucker, I.H., **T.V. Peterson** and J.P. Gilmore. Ouabain increases left atrial receptor discharge in the dog. *Journal of Pharmacology and Experimental Therapeutics* 212:320-324, 1980.
7. **Peterson, T.V.**, J.P. Gilmore and I.H. Zucker. Initial renal responses of the non-human primate to head-out water immersion and intravascular volume expansion. *Journal of Applied Physiology* 48:243-248, 1980.
8. **Peterson, T.V.**, J.P. Gilmore and I.H. Zucker. Effect of intravascular volume expansion on renal hemodynamics in the non-human primate. *Renal Physiology* 2:272-277, 1981.
9. Bie, P., **T.V. Peterson**, J.P. Gilmore and L. Share. Osmotic control of plasma vasopressin in anaesthetized dogs. *Acta Physiologica Scandinavica* 114:37-43, 1982.
10. Cannon, J.S., C.E. Jones and **T.V. Peterson**. A histochemical evaluation of metabolism in the coronary vasculature of the primate. *Blood Vessels* 19:186-196, 1982.
11. Gilmore, J.P., **T.V. Peterson**, C.R. Wesley and L. Share. High versus low pressure receptors in modulating the volumetric control of antidiuretic hormone secretion in the monkey. *Basic Research in Cardiology* 77:250-254, 1982.
12. **Peterson, T.V.**, F.T. Felts and N.L. Chase. Intravascular receptors and renal responses of monkey to volume expansion. *American Journal of Physiology* 244 (Heart and Circulatory Physiology 13):H55-H59, 1983.

13. **Peterson, T.V.** and C.E. Jones. Renal responses of the cardiac-denervated nonhuman primate to blood volume expansion. *Circulation Research* 53:24-32, 1983.
14. **Peterson, T.V.** and N.L. Chase. Intrarenal venous glucose levels in the dog: an evaluation of the sampling technique. *Experientia* 39:1286-1287, 1983.
15. **Peterson, T.V.**, N.L. Chase and D.K. Gray. Head-up tilt in the non-human primate. Effects of renal denervation. *Renal Physiology* 7:265-274, 1984.
16. **Peterson, T.V.**, N.L. Chase and D.K. Gray. Renal effects of volume expansion in the renal-denervated nonhuman primate. *American Journal of Physiology* 247 (Heart and Circulatory Physiology 16):H960-H966, 1984.
17. **Peterson, T.V.**, N.L. Hurst and J.A. Richardson. Renal nerves and the initial excretory responses to recumbency: a species comparison. *American Journal of Physiology* 249 (Regulatory, Integrative and Comparative Physiology 18):R747-R752, 1985.
18. **Peterson, T.V.**, D.G. McBride, S.K. Seideman and N.L. Hurst. Cardiopulmonary and sinoaortic baroreceptors and volume expansion in the monkey. *Basic Research in Cardiology* 81:123-133, 1986.
19. **Peterson, T.V.**, N.L. Hurst and J.A. Richardson. Renal nerves and renal responses to head-up tilt in dogs. *American Journal of Physiology* 252 (Regulatory, Integrative and Comparative Physiology 21):R979-R986, 1987.
20. Benjamin, B.A., C.H. Metzler and **T.V. Peterson**. Renal response to volume expansion in atrial-appendectomized dogs. *American Journal of Physiology* 253 (Regulatory, Integrative and Comparative Physiology 22):R786-R793, 1987.
21. **Peterson, T.V.**, B.A. Benjamin and N.L. Hurst. Effect of vagotomy and thoracic sympathectomy on responses of the monkey to water immersion. *Journal of Applied Physiology* 63:2476-2481, 1987.
22. Benjamin, B.A., C.H. Metzler and **T.V. Peterson**. Chronic atrial appendectomy alters sodium excretion in the conscious monkey. *American Journal of Physiology* 254 (Regulatory, Integrative and Comparative Physiology 23):R699-R705, 1988.
23. **Peterson, T.V.**, B.A. Benjamin and N.L. Hurst. Renal nerves and renal responses to volume expansion in conscious monkeys. *American Journal of Physiology* 255 (Regulatory, Integrative and Comparative Physiology 24):R388-R394, 1988.
24. Gawlowski, D.M., B.A. Benjamin, **T.V. Peterson**, N.R. Harding and H.J. Granger. Atriopeptin does not augment the transvascular flux of macromolecules in the hamster cheek pouch. *Proceedings of the Society for Experimental Biology and Medicine* 194:131-135, 1990.
25. **Peterson, T.V.**, B.A. Benjamin, N.L. Hurst and C.G. Euler. Renal nerves and postprandial renal excretion in the conscious monkey. *American Journal of Physiology* 261 (Regulatory, Integrative and Comparative Physiology 30):R1197-R1203, 1991.

26. Benjamin, B.A. and **T.V. Peterson**. Effect of bilateral atrial appendectomy on postprandial sodium excretion in conscious monkeys. *Proceedings of the Society for Experimental Biology and Medicine* 206:45-52, 1994.
27. Benjamin, B.A. and **T.V. Peterson**. Effect of proANF₃₁₋₆₇ on sodium excretion in conscious monkeys. *American Journal of Physiology* 269 (Regulatory, Integrative and Comparative Physiology 38):R1351-R1355, 1995.
28. **Peterson, T.V.**, A.B. Carter, and R.A. Miller. Nitric oxide and renal effects of volume expansion in conscious monkeys. *American Journal of Physiology* 272 (Regulatory, Integrative and Comparative Physiology 41):R1033-R1038, 1997.
29. **Peterson, T.V.**, C. Emmeluth and P. Bie. Renal effects of nitric oxide synthase inhibition in conscious water loaded dogs. *American Journal of Physiology : Regulatory, Integrative and Comparative Physiology* 281: R584-R590, 2001.
30. Benjamin, B.A., J.R. Hawker, M.A. Abel, H.J. Granger and **T.V. Peterson**. Characterization of receptors for atrial natriuretic factor in coronary venular endothelial cells. (In preparation).
31. Benjamin, B.A. and **T.V. Peterson**. Effect of atrial natriuretic factor on the baroreceptor heart rate reflex. (In Preparation).
32. **Peterson, T.V.**, B.A. Benjamin, C.H. Metzler, N.L. Hurst and C.G. Euler. Renal nerves and renal effects of atriopeptin infusion in the nonhuman primate. (In Preparation).

BOOK CHAPTERS AND INVITED PAPERS:

1. **Peterson, T.V.** "Cardiac Reflexes and Control of Renal Function in Primates." In: Reflex Control of the Circulation, edited by I.H. Zucker and J.P. Gilmore, CRC Press, Boca Raton, FL, pp. 313-358, 1991.
2. **Peterson, T.V.** and B.A. Benjamin. The heart and control of renal excretion: neural and endocrine mechanisms. *FASEB Journal* 6:2923-2932, 1992.

ABSTRACTS:

1. Furr, P.A., **T.V. Peterson**, J.E. Dale, L.B. Hinshaw and M.J. Keyl. Effect of endotoxin on glucose uptake by the isolated forelimb of the dog. *The Physiologist* 19:200, 1976.
2. **Peterson, T.V.**, B. Benjamin, E.M. Hasser and M.J. Keyl. Renal lymph and intrarenal venous blood as indicators of renal cortical function in the dog. *Federation Proceedings* 36:506, 1977.

3. **Peterson, T.V.**, J.P. Gilmore and I.H. Zucker. Comparison of the initial renal responses of the monkey to intravascular volume expansion and head-out water immersion. *Federation Proceedings* 37:645, 1978.
4. **Peterson, T.V.**, J.P. Gilmore and I.H. Zucker. Unimportance of baroreceptor or dorsal root afferents in the renal responses of the non-human primate to acute intravascular volume expansion. *Federation Proceedings* 38:1138, 1979.
5. Zucker, I.H., **T.V. Peterson** and J.P. Gilmore. Effect of ouabain on type B atrial receptor activity in the dog. *Federation Proceedings* 38:1201, 1979.
6. **Peterson, T.V.**, J.P. Gilmore and L. Share. Effect of intravascular volume expansion and hemorrhage on plasma vasopressin levels in baroreceptor denervated monkeys. *Federation Proceedings* 39:1085, 1980.
7. **Peterson, T.V.** Intrarenal venous glucose levels in the dog: a comparison of sampling techniques. *The Physiologist* 23:108, 1980.
8. **Peterson, T.V.**, F.T. Felts and N.L. Chase. Effect of thoracic dorsal root section and baroreceptor denervation on the renal responses of the monkey to volume expansion. *Federation Proceedings* 40:588, 1981.
9. Felts, F.T., and **T.V. Peterson**. Renal effects of volume expansion in the non-human primate after cardiopulmonary receptor and baroreceptor denervation. *National Student Research Forum*, Galveston, Texas, 1981.
10. **Peterson, T.V.**, N.L. Chase, T.W. Hurst, D.K. Gray and C.E. Jones. Renal responses of the cardiac denervated nonhuman primate to volume expansion. *Federation Proceedings* 41:1012, 1982.
11. Chase, N.L., D.K. Gray and **T.V. Peterson**. Effect of renal denervation on the renal responses of the monkey to head-up tilt. *Federation Proceedings* 41:1012, 1982.
12. **Peterson, T.V.**, N.L. Chase and D.K. Gray. Renal nerves and head-up tilt in the monkey: time course of the renal responses. *Federation Proceedings* 42:998, 1983.
13. **Peterson, T.V.**, N.L. Chase and D.K. Gray. Effect of renal denervation on the renal responses of the nonhuman primate to hypervolemia. *The Physiologist* 26:A20, 1983.
14. **Peterson, T.V.**, D.G. McBride, S.K. Seideman and N.L. Hurst. Effects of volume expansion in monkeys with combined cardiopulmonary and sinoaortic baroreceptor denervation. *Federation Proceedings* 43:1069, 1984.
15. Seideman, S.K., D.G. McBride and **T.V. Peterson**. Blood volume receptors and control of renal excretion in the nonhuman primate. *Texas Medical Association Annual Session*, 1984.
16. **Peterson, T.V.**, N.L. Hurst, J.A. Walla and P.A. Frieden. Effect of acute renal denervation on the renal responses to head-up tilt in the dog. *The Physiologist* 27:271, 1984.

17. **Peterson, T.V.**, M.R. Hudson, N.L. Hurst and J.A. Richardson. Renal nerves and renal responses of the nonhuman primate to slow hemorrhage. *Federation Proceedings* 44:1751, 1985.
18. Hurst, N.L., M.R. Hudson, J.A. Richardson and **T.V. Peterson**. Renal nerves and renal responses of the nonhuman primate to slow volume expansion. *Federation Proceedings* 44:1751, 1985.
19. Hudson, M.R. and **T.V. Peterson**. Renal nerves and control of renal excretion during head-up tilt: a species comparison. *Texas Medical Association Annual Session*, 1985.
20. **Peterson, T.V.**, N.L. Hurst and J.A. Richardson. Renal nerves and the initial excretory responses to recumbency in monkeys and dogs. *The Physiologist* 28:318, 1985.
21. **Peterson, T.V.**, N.L. Hurst and J.A. Richardson. Renal nerves, norepinephrine hypersensitivity and renal responses to head-up tilt in the dog. *Federation Proceedings* 45:302, 1986.
22. Benjamin, B.A., N.L. Hurst, J.A. Richardson and **T.V. Peterson**. Atrial appendectomy and the renal response to volume expansion in the anesthetized dog. *Federation Proceedings* 45:754, 1986.h
23. **Peterson, T.V.**, B.A. Benjamin, N.L. Hurst and J.A. Richardson. Effect of cervical vagotomy and thoracic sympathectomy on responses of the monkey to head-out water immersion. *The Physiologist* 29:97, 1986.
24. Benjamin, B.A., N.L. Hurst, J.A. Richardson and **T.V. Peterson**. The effect of vagotomy on the renal response to volume expansion in atrial appendectomized dogs. *The Physiologist* 29:137, 1986.
25. **Peterson, T.V.**, C.E. Jones and N.L. Hurst. Renal effects of volume loading in the nonhuman primate after selective cardiac or combined cardiopulmonary-sinoaortic baroreceptor denervation. In: Cardiogenic Reflexes, edited by R. Hainsworth, P.N. McWilliam and D.A.S.G. Mary, Oxford University Press, 1987, pp. 163-164.
26. Benjamin, B.A., C.H. Metzler, N.L. Hurst, J.A. Richardson and **T.V. Peterson**. Atrial appendectomy attenuates ANF release in conscious monkeys. *Federation Proceedings* 46:1280, 1987.
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43. Carter, A.B., C.D. Morley, R.A. Miller and **T.V. Peterson**. A method for obtaining blood samples from caged, conscious non-human primates. Annual Meeting of the Texas Branch American Association for Laboratory Animal Science, 1991.
44. Carter, A.B., C.D. Morley, R.A. Miller and **T.V. Peterson**. Environmental enrichment program for non-human primates. Annual Meeting of the Texas Branch American Association for Laboratory Animal Science, 1991.
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49. Carter, A.B., C.M. Morley, R.A. Miller, **T.V. Peterson** and E.M. Kasari. An interactive environmental enrichment program for primates. Annual Meeting of the Texas Branch American Association for Laboratory Animal Science, 1992.
50. **Peterson, T.V.**, C.D. Morley, A.B. Carter, R.A. Miller and M.S. Tramell. Renal effects of nitric oxide synthase inhibition in conscious monkeys. *FASEB Journal* 7:A7, 1993.
51. Benjamin, B.A., K. Green, C.A. Blaze and **T.V. Peterson**. Effect of peptides from the ANF prohormone NH₂-terminus on sodium excretion in conscious monkeys. *FASEB Journal* 7:A669, 1993.
52. **Peterson, T.V.**, C.D. Morley, A.B. Carter, R.A. Miller and M.S. Tramell. Renal responses to volume expansion during nitric oxide synthase inhibition in conscious monkeys. XIIth International Congress of Nephrology, Jerusalem, Israel, 1993.
53. **Peterson, T.V.**, C.D. Morley, A.B. Carter, R.A. Miller and M.S. Tramell. Nitric oxide and renal effects of volume expansion in the conscious non-human primate. XXXIInd International Congress of Physiological Sciences, Glasgow, Scotland, 1993.
54. **Peterson, T.V.**, A.B. Carter, R.A. Miller, C.D. Morley and M.S. Tramell. Role of nitric oxide in volume expansion diuresis and natriuresis in conscious monkeys. *FASEB Journal* 8:A579, 1994.

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56. **Peterson, T.V.**, C. Emmeluth and P. Bie. Effects of nitric oxide synthase inhibition on responses of conscious water loaded dogs to saline volume expansion. *FASEB Journal* 10:A671, 1996.
57. **Peterson, T.V.**, R.A. Baker, R.K. Hester and J.B. Green, III. A comprehensive course evaluation system utilizing combined on-line student and faculty evaluations, student performance measures and course director meetings. International Association of Medical Science Educators Annual Meeting, 2004.
58. **Peterson, T.V.**, R.A. Baker, R.K. Hester and J.B. Green, III. A triangulation method of course evaluation. Association of American Medical Colleges Annual Meeting, 2004.
59. **Peterson, T.V.**, V. L. Tesh, R.A. Baker, R.K. Hester and J.B. Green, III. A comprehensive evaluation system for review of a course in progress. International Association of Medical Science Educators Annual Meeting, 2005.
60. **Peterson, T.V.**, V.L. Tesh, R.A. Baker, R.K. Hester and J.B. Green, III. An evaluation system for a course in progress. Association of American Medical Colleges Annual Meeting, 2005.
61. **Peterson, T.V.** and D.P. Dohrman. Experience with an integrated course in histology and physiology: emphasis on integrated organization, delivery of content and student assessment. International Association of Medical Science Educators Annual Meeting, 2006.
62. D. P. Dohrman, R. K. Hester and **T.V. Peterson**. Creation and delivery of an integrated course in histology and physiology. Association of American Medical Colleges Annual Meeting, 2006.
63. D.P. Dohrman, W-J. A. Chen and **T.V. Peterson**. A successful peer teaching program for medical gross anatomy and histology labs. Association of American Medical Colleges Annual Meeting, 2007.
64. D.P. Dohrman, W-J. A. Chen and **T.V. Peterson**. A successful reciprocal peer teaching program for medical gross anatomy and histology labs. International Association of Medical Science Educators Annual Meeting, 2008.

INVITED PRESENTATIONS, SEMINARS AND SYMPOSIA

- January 1977 "Renal Lymph and Intrarenal Venous Blood as Indicators of Renal Cortical Function in the Dog," Department of Physiology, University of Rochester School of Medicine and Dentistry, Rochester, New York.
- February 1977 "Renal Lymph and Intrarenal Venous Blood as Indicators of Renal Cortical Function in the Dog," Department of Physiology and Biophysics, University of Nebraska College of Medicine, Omaha, Nebraska.
- January 1979 "Control of Blood Volume in the Nonhuman Primate," Department of Physiology, Kirksville College of Osteopathic Medicine, Kirksville, Missouri.
- May 1979 "Control of Blood Volume in the Nonhuman Primate," Department of Medical Physiology, Texas A&M University College of Medicine, College Station, Texas.
- November 1980 "Function of the Cardiovascular System," Department of Educational Curriculum and Instruction (Ed.C.I. 406-Science in the Middle and Secondary School), Texas A&M University.
- November 1980 "Current Status of Cardiovascular Disease Prevention," Annual Meeting of the Leisure Lodge Nursing Homes Administrators, Caldwell, Texas.
- March 1982 "Cardiac Receptors and Control of Blood Volume," Board of Directors of the Brazos County Heart Association, College Station, Texas.
- March 1982 "Neural Control of Blood Volume in the Nonhuman Primate," Department of Medical Pharmacology and Toxicology, Texas A&M University College of Medicine.
- April 1982 "Neural Control of Blood Volume in the Nonhuman Primate," Department of Physiology, Texas College of Osteopathic Medicine, Fort Worth, Texas.
- January 1983 "The Nervous System and Control of Blood Volume," Board of Directors of the Nacogdoches County Heart Association, Nacogdoches, Texas.
- May 1983 "The Nervous System and Control of Blood Volume," Annual Meeting of the Angelina County Heart Association, Lufkin, Texas.
- May 1984 "Cardiac Nerves and Control of Renal Function," Board of Directors of the Grimes County Heart Association, Navasota, Texas.
- April 1987 "Neural Pathways, Blood Volume and Control of Renal Function," Department of Physiology, Schools of Medicine and Dental Medicine, State University of New York at Buffalo; Buffalo, New York.

- January 1988 "Functions of the Laboratory Animal Care and Use Committee," Texas Agricultural Extension Service Annual Conference, Texas A&M University.
- March 1988 "Atrial Natriuretic Factor and Control of Sodium Excretion in the Nonhuman Primate," Division of Gastroenterology, Department of Internal Medicine, Texas A&M University College of Medicine.
- April 1991 "The Heart and Control of Renal Excretion: Neural and Endocrine Mechanisms," Symposium organizer and chairman, Federation of American Societies for Experimental Biology Annual Meeting, Atlanta, Georgia.
- September 1991 "Neurohumoral Control of Sodium Excretion in the Primate," Indiana University School of Medicine, Northwest Center for Medical Education, Gary, Indiana.
- June 1992 "Neurohumoral Control of Renal Function in the Primate," Federation of American Societies for Experimental Biology (FASEB) Summer Research Conference on "Renal Hemodynamics: Interactions with Endothelial and Epithelial Systems," Saxtons River, Vermont.
- November 1992 "Neurohumoral Control of Sodium Excretion in the Nonhuman Primate," Department of Pharmacology, Boehringer Ingelheim Pharmaceuticals, Ridgefield, Connecticut.
- July 1993 "Neurohumoral Control of Sodium Excretion in the Nonhuman Primate," Department of Pediatrics, Karolinska Institute, Stockholm, Sweden.
- September 1993 "Neurohumoral Control of Sodium Excretion in the Nonhuman Primate," Department of Experimental Anesthesia, Free University of Berlin, Berlin, Germany.
- October 1993 "Neurohumoral Control of Sodium Excretion in the Nonhuman Primate," Department of Physiology, University of Birmingham School of Medicine, Birmingham, England.
- October 1993 "Neurohumoral Control of Sodium Excretion in the Nonhuman Primate," Renal Institute and Department of Nephrology, University of Wales College of Medicine, Cardiff, Wales.
- November 1993 "Neurohumoral Control of Sodium Excretion in the Nonhuman Primate," Physiological Institute, University of Heidelberg, Heidelberg, Germany.
- November 1993 "Neurohumoral Control of Sodium Excretion in the Nonhuman Primate," Department of Medical Physiology, University of Copenhagen, Copenhagen, Denmark.