

CURRICULUM VITAE
Updated January 2012

NAME: David Lester Wiegman

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School of Medicine
University of Louisville
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BORN: April 11, 1943
Fort Wayne, Indiana

MARRIED: August 11, 1968, to the former Jill Joann Gerding, B.S., M.S., Indiana
Retired elementary school teacher
Former Executive Director, Mid-Missouri Chapter of
National Multiple Sclerosis Society

HOME: 914 Pennwood Drive
New Albany, IN 47150
812/945-6941

CHILDREN: Elizabeth "Betsey" Weseloh Wiegman (b: 2/7/80)
Valedictorian, New Albany High School
A.B., Indiana; J.D., Michigan
Attorney, U.S. Department of Education
Washington, DC

Matthew David Wiegman (b: 12/30/86)
Valedictorian and Student Body President
New Albany High School
B.S., Indiana
Las Vegas, Nevada / New Albany, Indiana

EDUCATION: Ph.D. Physiology (GPA 4.0)
Indiana University
August, 1973
Advisor: Sid Robinson, Ph.D.

M.A., Physiology (GPA 4.0)
Indiana University
June, 1969
Advisor: Sid Robinson, Ph.D.

Teaching Certificate, Education (GPA 4.0)
Indiana University
June, 1967

A.B., magna cum laude, Anatomy and Physiology (GPA 3.8)
Indiana University
January, 1967

HONORS: Senator, Indiana University Student Government, 1961-1962.

Phi Eta Sigma (academic honorary), 1962.

Iota chi (academic honorary), 1962 and 1963.

State Scholarship, 1962-1966.

Allen County Alumni Scholarship, 1964-1965.

Sigma Xi - Undergraduate Award, 1966.

American Churchill Fellowship, National Finalist, 1966.

Phi Beta Kappa, 1966.

NIH Predoctoral Traineeship, 1967-1969.

John H. Edwards Fellowship (Indiana U. highest award for graduate and professional students; 5 awarded each year out of 10,000 eligible students), 1969-1970.

Woodrow Wilson National Fellowship, 1970-1971.

NIH Postdoctoral Fellowship (Individual Award), 1973-1975.

HONORS: Continued

NIH National Research Service Award, 1975-1977.

NIH Young Investigator Research Award, 1978-1980.

Sigma Xi, Full Member, 1979.

White House Fellowship, National Finalist, 1983.

Outstanding Achievement Award, Administration,
University of Louisville, 1987-1988.

Liaison Committee on Medical Education, Faculty Fellow, 1988-1989.

Outstanding Performance Award, Administration,
University of Louisville, 1995.

Leadership Kentucky, 1996.

FIELD OF RESEARCH:

My earliest research focused on regulation of respiration and on environmental and stress physiology, basically human responses to heat, cold, high altitude, and exercise. My research emphasis then shifted to the mechanisms of microvascular control. Studies were done utilizing in vivo tissue preparations and television microscopy to investigate microcirculatory responses to hypoxia, hypercapnia, acidosis and various agonist and antagonist and alterations in vascular control which occur with hypertension and exercise training.

After assuming major administrative responsibilities, I restricted my science research activities to limited collaboration. My current educational interests and research include curriculum development, student assessment and comparative international medical education.

PROFESSIONAL EXPERIENCE:

National Institutes of Health, Postdoctoral Fellow
Department of Physiology
University of Missouri School of Medicine
August, 1973-July, 1975

National Institutes of Health, National Research Service Fellow
Dalton Research Center
University of Missouri Graduate School and
Department of Physiology
University of Missouri School of Medicine
August, 1975-August, 1977

Assistant Professor of Physiology
University of Missouri School of Medicine and Research Investigator
Dalton Research Center
University of Missouri Graduate School
September, 1977-June, 1981

Associate Professor (tenured)
Department of Physiology & Biophysics
School of Medicine
University of Louisville
July, 1981-June, 1989

Assistant Chairman
Department of Physiology & Biophysics
School of Medicine
University of Louisville
July, 1981-June, 1986

Guest Professor
University of Heidelberg
Heidelberg, Germany
June, 1983-November, 1983
June, 1993-July, 1993
July, 1996-August, 1996

Assistant Dean for Academic Affairs
School of Medicine
University of Louisville
January, 1984-September, 1987

PROFESSIONAL EXPERIENCE: (continued)

Assistant Dean for Curricular Affairs
School of Medicine
University of Louisville
July, 1984-September, 1987

Vice Dean for Academic Affairs
School of Medicine
University of Louisville
October, 1987-

Professor (tenured)
Department of Physiology and Biophysics
School of Medicine
University of Louisville
July, 1989-

Associate Vice President for Health Affairs, Academic Affairs
University of Louisville
April, 1995-

GRANT SUPPORT HISTORY (Direct Cost Only):

National Institutes of Health
PHS HL 53252
"Microcirculatory Responses to Varied Inspired Gases"
Postdoctoral Fellow, 8/73-7/75, \$19,700

National Heart and Lung Institute
PHS HL 12614
"Microcirculatory Control Mechanisms and Hypertension"
Co-Investigator, 8/73-3/81, \$258,975

National Heart and Lung Institute
PHS HL 13207
"Small Vessel Mechanisms During Hemorrhagic Shock"
Co-Investigator, 8/73-9/76, \$163,551

National Institutes of Health
PHS HL 05184
"Oxygen and Microcirculatory Control in Hypertension"
National Research Service Fellow, 8/75-7/77, \$29,400

National Institutes of Health
N01-AM-7-2217
"Effects of peritoneal dialysis solutions on the microcirculation of
the rat and on peritoneal clearances in man"
Co-Investigator, 7/77-12/80, \$194,006

National Institutes of Health
PHS HL 21901
"Hypertension, Microvascular Control and Exercise"
Principal Investigator, 1/78-12/80, \$87,222

American Heart Association
"Hypertension and Microcirculatory Control: Effects of O₂ and CO₂"
Principal Investigator, 10/80-9/83, \$44,000

School of Medicine-Research Council
University of Missouri
"Hypertension: Microvascular modulation by exercise"
Principal Investigator, 5/81-4/82, \$13,416

GRANT SUPPORT HISTORY (Direct Cost Only):

Graduate Research Grant
University of Louisville
"Microcirculatory Control: Local PO₂ and Exercise"
Principal Investigator, 10/81-3/82, \$1,716

Kentucky Heart Association
"Metabolic Microvascular Control and Hypertension"
Principal Investigator, 7/83-6/84, \$10,845

University of Heidelberg
"Renal and Cardiac Microcirculation Studies"
Guest Professor, 6/83-11/83, \$6,000

National Research Society
Federal Republic of Germany
"Continuation of Renal Microcirculation Studies"
Principal Investigator, 11/83-8/84, \$28,500
(Funded, but not accepted)

(No science research grants applied for after 1983)

Robert Wood Johnson Foundation
"Generalist Physician Initiative"
Co-Investigator, 11/92-4/94, \$150,000

Robert Wood Johnson Foundation
Project 3000 by 2000
Co-Investigator, 1/96-12/00, \$349,998

Commonwealth of Kentucky
"Trover Campus Program"
Principal Investigator, 7/00-6/12, \$11,974,000

Department of Health and Human Services, HRSA
Broadcast Center for Medical Education
Principal Investigator, 9/09-10/11, \$941,490

PROFESSIONAL SOCIETIES:

American Physiological Society

American Heart Association

Microcirculatory Society, Inc.

European Society for Microcirculation

Society for Experimental Biology and Medicine

Kentucky Academy of Science

Association for Medical Education in Europe

Association of American Medical Colleges
-Group on Educational Affairs

International Association for Medical Science Education

International Health Medical Education Consortium

Association for the Study of Medical Education

STANDARDIZED NATIONAL EXAMINATIONS:

Preliminary Scholastic Aptitude Test	
Verbal	57 (95%)
Math	70 (98%)
National Merit Scholarship Examination	
Composite	(99%)
Graduate Record Examination	
Verbal	700 (97%)
Quantitative	740 (99%)
Biology	810 (99%)

PROFESSIONAL ACTIVITIES (At University of Missouri)

1. Teaching - Courses
 - A. Physiology 250 - 305: Medical Physiology
(10 credit hours - team taught)
 - B. Physiology 208: Human Physiology
(4 credit hours - team taught)
2. Student Committees and Research Direction
 - A. Master's Degree Committees
 1. Steven W. Landgraf (Physiology)
completed April 29, 1978
"Effects of hypothermia on blood-brain barrier transport in the golden hamster, (Mesocricetus airatis)
 2. David A. Kovacs (Physiology)
completed April 23, 1981
"Kindling in the frog brain"
 - B. Doctoral Degree Committees
 1. Robert J. Morff (Physiology)
completed October 12, 1978
"Microvascular responses to systemic hypoxia and alteration of tissue Ph, PO₂ and PCO₂ in the cremaster muscle"
 2. Gerald A. Meininger (Physiology)
completed August 17, 1981
"Microvascular pressure profiles in hypertension"
 3. Richard M. Moe (Physical Education/M.D.)
 4. Thomas P. La Fontaine (Physical Education)
 - C. Graduate Student Qualifying Examination Committee
 1. Department of Physiology, May 17, 1978
 2. Department of Physiology, May 16, 1979

PROFESSIONAL ACTIVITIES (At University of Missouri) (Continued)

D. Graduate Students (Co-Directed)

1. Robert J. Morff
2. Frank R. Wilmoth
3. Gerald A. Meininger
4. James E. Faber
5. Dennis A. Bishop

E. Postdoctoral Fellows (Co-Directed)

1. Irving G. Joshua, Ph.D.
2. James R. Jauchem, Ph.D.
3. Gary L. Anderson, Ph.D.
4. John T. Fleming, Ph.D.

F. Sabbatical Fellows and Visiting Scientists (Co-Directed)

1. J. Robert Hippensteele, Ph.D.
Professor of Biology
Illinois Wesleyan University
1980-81
2. Rui-juan Xiu, M.D.
Vice Chairman
Chinese Academy of Medical Sciences
Peking, China
1981

G. Other Teaching/Research Direction Activities

1. John A. Hoelscher, Summer Medical Student Research Program, 1978
2. John B. Powell, Honor Student Research Program, 1978-79
3. John B. Ballenot, Honor Student Research Program, 1978-80
4. Minority Hypertension Research Development Program, 1978
5. New Medical Student Summer Program, 1978-79
6. Gary E. Brimer, Student in College of General Studies (Advisor) 1978-81
7. Introduction 80: Orientation for Undergraduates
8. Health Science Work/Study Program, 1980
9. Larry Ho, Summer Medical Student Research Program, 1981

PROFESSIONAL ACTIVITIES (At University of Missouri) (Continued)

3. University Memberships and Committees
 - A. Graduate Faculty, 1978-81
 - B. Doctoral Faculty, 1979-81
 - C. Preventive Medicine Curriculum Committee, School of Medicine, 1977-79
 - D. Student Promotion Committee, School of Medicine 1979-81
Chairman, 1980-81
 - E. Animal Care Committee, Dalton Research Center, 1977-79
 - F. International Studies and Programs Committee, Columbia Campus, 1980-81

PROFESSIONAL ACTIVITIES (At University of Louisville)

1. Teaching - Courses
 - A. Medical Physiology (8 credit hours - team taught)
 - B. Dental Physiology (5 credit hours - team taught)
 - C. Nursing Physiology (3 credit hours - team taught)
 - D. Metabolic Control of Peripheral Circulation
(3 credit hours - two instructors)
 - E. Graduate Physiology II (3 credit hours - team taught)
 - F. Physiology 609 (3 credit hours - team taught)

2. Student Committees and Direction
 - A. Postdoctoral Fellow/Instructor
 1. Stephen G. Gallik, Ph.D. (1981 - 1984)

 - B. Visiting Scientist (Co-Directed)
 1. Rui-juan Xiu, M.D. (1981 - 1982)
Vice Chairman
Chinese Academy of Medical Sciences
Beijing, China

 - C. Graduate Student Advisory Committees
 1. Paul Buco (Ph.D.), 1984
 2. Debra Jo Eadens (M.S.), 1984
 3. John D. Imig (Ph.D.), 1990
 4. Victoria Brooks Moore (Ed.D.), 1994
 5. Patricia Douglas Gillette (Ph.D.), 1995
 6. Scott A. Klein (Ph.D.), 2000

 - D. Counsel and advise First Year Graduate Students in my role as
Director of Graduate Studies, 1984-1992; 1995-1996; 1998-2000

 - E. Member of many Qualifying Examination and Dissertation Defense
Committees

PROFESSIONAL ACTIVITIES (At University of Louisville)

3. University Memberships and Committees
 - A. Graduate Faculty, 1981-
 - B. University Fellowship Committee, Graduate School, 1981-1989.
 - C. University of Louisville Faculty Senate, 1982-1985.
 - D. Assistant Dean Search Committee, School of Nursing, 1984-1985.
 - E. Associate Dean Search Committee, School of Nursing, 1984-1987.
 - F. Curriculum Committee, School of Dentistry, 1984.
 - G. Dean Search Committee, School of Business, 1984.
 - H. Director Search Committee, Office of Affirmative Action, 1984.
 - I. Fulbright Scholar Campus Representative, 1985-
 - J. Provost's Ad Hoc Committee on Research Activities, 1985-1988.
 - K. Member, UK/U of L Health Sciences Coordinating Committee, 1985-1998.
 - L. Assistant Director Search Committee, Office of Computer Information Science, 1985-1987.
 - M. University Year-End Equipment Purchase Committee, 1986, 1987, 1989.
 - N. University Club Committee, 1986-1987.
 - O. University Club, Board of Directors, 1987-1994.
 - P. Committee on Marketing of the University, 1987-1989.
 - Q. Environmental Analysis Task Force (Strategic Planning), 1988-1989.
 - R. University Representative to the Legislative Research Committee on Geriatrics, 1988, 1989.
 - S. Adopt-a-Prof, Faculty Participant, 1990-1991.

3. University Memberships and Committees (Continued)

- T. Part-time Faculty Research Committee, 1991-1992.
- U. Chair, Health Science Center Committee on Basic Science Instruction, 1992-1993.
- V. Chair, Health Science Center Committee on Faculty Appointment Tracks, 1992-1993.
- W. Member, Committee to Reorganize the International Center, 1992-1993.
- X. University X-Pay Task Force, 1993-1994.
- Y. Provost's Advisory Committee on the International Center, 1993-2000.
- Z. University Enrollment Management Task Force, 1994-97.
- AA. Member, Commission on the Status of Women, 1995-1997.
- BB. Director Search Committee, International Center, 1996.
- CC. Dean Search Committee, School of Nursing, 1996-1997.
- DD. University Provost Search Committee, 1996-1997.
- EE. Planning Committee, Kentucky Center for Health Education, 1995-1996.
- FF. Mentor, University Leadership Mentoring Program, 1996-1997.
- GG. Mentor, Project Motivation Apprenticeship Program, 1997.
- HH. Jobs for the Future Benchmark Committees Initiative, Steering Committee, 1997-1998.
- II. Assessment/Outcomes RFP Selection Committee, 1998-1999.
- JJ. Board of Overseers Scholars Development Program Committee, 1999-2004.
- KK. Dean Search Committee, College of Arts and Science, 1999-2000.
- LL. Member, Assessment Liaison Committee (for Program Review), 1999-
- MM. Member, University Tuition and Fee Setting Task Force, 1999-

3. University Memberships and Committees (Continued)

- NN. Member, Louisville Science Center, Scientific Advisory Committee, 1999-2009
- OO. Member, Nursing Dean Review Committee, 2002.
- PP. Judge, international Science Fair, 2002.
- QQ. HSC Fitness Faculty, Planning/Oversight Committee, 2002-2007.
- RR. Provost's Task Force on the Budget, 2002-2004.
- SS. Member, Foreign Nationals Project Committee, 2003-2010.
- TT. Member, Associate/Vice Dean Group, 2004-2008.
- UU. Provost's QEP Committee, 2005-2008.
- VV. Provost's Task Force on International Initiatives, 2007.
- WW. Member, Provost's Committee on International Issues, 2007-2008.
- XX. KSU Committee, 2007-2008
- YY. Member, Committee on Commencement Ceremonies, 2007.
- ZZ. Member, Provost's International Affairs Advisory Committee, 2009-
- AAA. Member, UofL Efficiency Effectiveness and Accountability Program, 2010-
- BBB. Member, SACS Steering Committee, 2011-

School of Medicine

- A. Chairman Search Committee, Department of Family Practice, 1982.
- B. Ad Hoc Member, Medical Council, School of Medicine, 1984-
- C. Ad Hoc Member, Faculty Forum, School of Medicine, 1984-
- D. Chairman, Educational Policies Committee, School of Medicine, 1984-1987.
- E. Member, Rules and Policies Committee, School of Medicine, 1984-1987.

3. School of Medicine Memberships and Committees (Continued)

- F. Director, Strategic Planning, School of Medicine, 1984-1987.
- G. Chairman, Unit Strategic Planning Committee, School of Medicine, 1985.
- H. Director, Faculty Affairs, School of Medicine, 1984-1996.
- I. Co-Director, School of Medicine Preparation for LCME Accreditation Review, 1985-86.
- J. School of Medicine Advisor to Faculty in Faculty/Student disputes, 1986-1996.
- K. School of Medicine Liaison to the International Center, 1985-2003.
- L. Chairman, School of Medicine Computer Planning Committee, 1986-1987.
- M. Organizing Committee, American Cancer Society - Medical Student Cancer Day, 1987.
- N. Member, Advisory Committee on the Cooperative Plan for Medical/Dental Admissions (UK/U of L), 1987-2008.
- O. Member, UK/U of L Task Force to Address Medical Education Concerns of the Council on Higher Education, 1988-1989.
- P. Guaranteed Entrance into Medical School (GEMS) Program,
 - Founding Director, 1988-1989.
 - Faculty, 1988-
- Q. School of Medicine Liaison with Pro-Power (an organized group of retired professionals), 1988-1995.
- R. School of Medicine Representative to Deans/Provost Staff Meetings (CAO), 1988-2003.
- S. Director, Deans Academic Merit Scholarship Program, 1987-1989.
- T. Administrative Liaison to School of Dentistry, 1987-1997.
- U. Chairman, Implementation Committee for Transfer of the Division of Epidemiology and Biostatistics, 1988.
- V. Co-Director, Work Group for Development and Implementation of the Clinical Services Faculty Track, 1987-1989.

3. School of Medicine Memberships and Committees (Continued)

- W. Director, School of Medicine Preparation for LCME Accreditation Review, 1989 - 1991.
- X. Member, Designations Committee, School of Medicine, 1990-
- Y. Chair, Financial Aid/Scholarship Committee, 1991-1992.
- Z. Co-Investigator, Robert Wood Johnson General Physician Initiative, 1992-1994.
- AA. Chair, Committee to Consider Alternative Organizational Structures for Microbiology and Immunology, 1993-1994.
- BB. Member, Robert Wood Johnson Practice Sights, Educational Subcommittee, 1993-1994.
- CC. Director, International Programs, School of Medicine, 1993-
- DD. Member, Bylaws Revision Committee, School of Medicine, 1994-1995.
- EE. Member, School of Medicine Women's Advocates for Equality, 1995-1997.
- FF. Chair, Robert Wood Johnson Project 3000 by 2000, Operational Committee, 1996-2002.
- GG. Director, School of Medicine Preparation for LCME Accreditation Review, 1996-1998.
- HH. Member, Community-Based Faculty Conference Committee, 1996-2002.
- II. Anesthesiology Chair Search Committee, 1998-1999.
- JJ. Chair, Vice Dean for Clinical Affairs Search Committee, 1999.
- KK. Chair, Associate Dean for Admissions Search Committee, 1999-2000.
- LL. Member, Assistant Dean for Research Search Committee, 1999-2000.
- MM. Co-Director MD/MBA Program, 1999-2003.
- NN. Director, Assessment/Outcomes, School of Medicine, 1999-2002.
- OO. Member, Trover Campus Admission Committee, 2000-
- PP. Executive MBA Planning Group, 1999-2002.

3. School of Medicine Memberships and Committees (Continued)

- QQ. Chair, Clinical Assessment Steering Committee, 2000-2002.
- RR. Student Malpractice Insurance, RFP Committee, 2000-2002.
- SS. Chair, Public Health Curriculum Committee, 2000-2003.
- TT. School Liaison, Dey Systems, Inc. (Now Deyta, Inc.), survey project, 2000-2008.
- UU. Planning Group, Department of Rehabilitation Medicine, 2000-2002.
- VV. Chair, Associate Dean for Faculty Affairs Search Committee, 2001.
- WW. Chair, Associate Dean for Curriculum Search Committee, 2001.
- XX. Member. Director of Admissions and Recruitment Search Committee, 2002.
- YY. Member, Assistant Director of Admissions and Recruitment Search Committee, 2002.
- ZZ. Med/Peds Faculty Search Committee, 2002-2005
- AAA. Educational Technology, Award Committee, 2002-2009.
- BBB. UofL Medicine, Editorial Board, 2002-
- CCC. Director, School of Medicine Preparation for LCME Accreditation Review. 2003 - 2005.
- DDD. Member, Program Advisory Committee, School of Medicine 2003-2008.
- EEE. Chair, Associate Dean for Research Search Committee, 2003.
- FFF. Chair, Associate Dean for Faculty Affairs Search Committee, 2003-2004.
- GGG. Head, Educational Advisory Committee, School of Medicine, 2003-
- HHH. Committee to form School of Medicine Alumni Board, 2003-2005.
- III. Member, Vice Dean for Research Search Committee, 2003.
- JJJ. Member, Malpractice Insurance Committee, 2004-2008.
- KKK. Faculty Chair, Alumni Annual Fund Campaign, 2004.

3. School of Medicine Memberships and Committees (Continued)

- LLL. Chair, Associate Dean for Curriculum Search Committee, 2004-2005
- MMM. Chair, Assistant Dean for Graduate Medical Education Search Committee, 2005.
- NNN. Member, Diversity Planning Committee, 2006.
- OOO. Organizing Committee, Dean's Education Retreat, 2006.
- PPP. Director, Academic Program Review for MD Degree (UofL Provost's process), 2006.
- QQQ. Member, Rules, Policies and Credentials Committee, 2007-2010.
- RRR. VAMC Academic Partnership Council, 2007-
- SSS. Technical Standards Review/Revision Committee, 2007-2009.
- TTT. School of Medicine Mentoring Program, Mentee: Roberta Schaffner, M.D., 2008- ;
Mentee: Neetu Tyagi, Ph.D., 2009-
- UUU. Member, Humanistic, Empathic, Altruistic, Relationship-centered Team (HEART), 2008-
- VVV. Member, Jewish Hospital & UofL Partnership Committee, 2008-
- WWW. Member, Norton/UofL Partnership Committee, 2008-2010.
- XXX. Work Group for design of new Instructional Building, 2009-
- YYY. Ex-officio Member, Criminal Background Committee, 2009-
- ZZZ. Director, School of Medicine Preparation for LCME Accreditation Review, 2009-2013.
- AAAA. Chair, Committee to Develop an Accelerated (3-year) Curriculum, 2009-2011.
- BBBB. Member, Post-Baccalaureate Committee, 2009-
- CCCC. Chair, School of Medicine 175th Anniversary Committee, 2011-
- DDDD. Chair, Search Committee for Faculty Affairs Dean

Department of Physiology/Biophysics Memberships and Committees

- A. Chairman, Graduate Admissions Committee, Department of Physiology & Biophysics, 1981-1984.
- B. Director, Instructor Recruitment, Department of Physiology & Biophysics, 1981-1983.
- C. Director, Research Seminar Series Department of Physiology & Biophysics, 1981-1983.
- D. Course Coordinator, Nursing Physiology Course, 1982.
- E. Director of Graduate Studies, Department of Physiology and Biophysics, 1984-1992; 1995-1996; 1998-2000.
- F. Coordinator, Department participation in Student Research Day, 1984.
- G. Electronic Instrumentation Engineer Selection Committee, Department of Physiology, 1984.
- H. Departmental Program Exploration Committee on Exercise Physiology, 1986-1987.
- I. Vice President for General Affairs, 5th World Congress for Microcirculation 1986-1991.
- J. Member, Graduate Admissions Committee, Department of Physiology and Biophysics, 1993-1996.
- K. Student Recruitment Committee, Department of Physiology and Biophysics, 1997-1998.
- L. Physiology Graduate Program Committee, 1998-2000.
- M. Peer Teaching Review Committee, 2003-2005.

PROFESSIONAL MEETINGS ATTENDED:

International Meetings

1. 8th European Conference for Microcirculation, Le Touquet, France, June 16-21, 1974
2. First World Congress for Microcirculation, Toronto, Canada, June 15-20, 1975.

International Meetings (Continued)

3. Satellite Symposium, "Mechanisms of Vasodilatation," Antwerp, Belgium, July 10-12, 1977.
4. XXVIIth International Congress of Physiological Sciences, Paris, France, July 17-23, 1977.
5. Second World Congress for Microcirculation, La Jolla, California, July 22-27, 1979.
6. Microcirculation Workshop, Dortmund, Germany, October 28, 1983.
7. Third World Congress for Microcirculation, Oxford, England, September 9-14, 1984.
8. University of Heidelberg, 600th Anniversary, Heidelberg, Germany, October 13-19, 1986.
9. Satellite Congress to the Fourth World Congress for Microcirculation, Beijing, Peoples Republic of China, July 19-22, 1987.
10. Fourth World Congress for Microcirculation Tokyo, Japan, July 26-30, 1987
11. Satellite Symposium, Microcirculation Disorders, Osaka, Japan, August 1-2, 1987.
12. Satellite Symposium, "Vascular Endothelium in Health and Disease, Taipei, Taiwan, Republic of China, August 5-6, 1987.
13. Fifth World Congress for Microcirculation, Louisville, Kentucky, August 31-September 5, 1991.
14. Sixth Ottawa Conference on Medical Education, Toronto, Canada, June 26-29, 1994.
15. The Tricennial McMaster Conference on Problem Based Learning, Hamilton, Canada, June 28-July 1, 1994.
16. Sixth World Congress for Microcirculation, Munich, Germany, August 25-30, 1996.
17. Association for Medical Education in Europe, Annual Conference, Copenhagen, Denmark, September 1-4, 1996.
18. Association for Medical Education in Europe, Annual Conference, Prague, Czech Republic, August 29 - September 2, 1998.

International Meetings (Continued)

19. Association for Medical Education in Europe, Annual Conference, Linköping, Sweden, August 29-September 1, 1999.
20. Steinhausen Symposium, Heidelberg, Germany, July 5, 2000.
21. International Visitors Workshop, Maastricht, Netherlands, March 22-23, 2001.
22. International Association for Medical Science Education, Annual Meeting, Rochester, Minnesota, July 21-24, 2001.
23. Association for Medical Education in Europe, Annual Meeting, Berlin, Germany, September 2-5, 2001.
24. Association of Schools of Medicine in Europe, Annual Meeting, Gent, Belgium, September 6-8, 2001.
25. Association for Medical Education in Europe, Annual Meeting, Lisbon, Portugal, August 28-September 1, 2002.
26. Association for Medical Education in Europe, Annual Meeting, Bern, Switzerland. August 30 - September 3, 2003.
27. Alberta Meeting on Medical Education, Jasper Park, Alberta, Canada October 20-22, 2003.
28. Eleventh Ottawa Conference on Medical Education, Barcelona, Spain, July 5-8, 2004.
29. Association for Medical Education in Europe, Annual Meeting, Edinburgh, Scotland, September 5-8, 2004.
30. Association for Medical Education in Europe, Annual Meeting, Amsterdam, Netherlands, August 30-September 2, 2005.
31. International Association for Medical Science Education, Annual Meeting, San Juan, Puerto Rico, July 15-18, 2006.
32. Association for Medical Education in Europe, Annual Meeting, Genova, Italy, September 14-18, 2006.
33. Association for Medical Education in Europe, Annual Meeting, Trondheim, Norway, August 24-28, 2007.
34. Thirteenth Ottawa Conference on Medical Education, Melbourne, Australia, March 3-8, 2008.

International Meetings (Continued)

35. International Association for Medical Science Education, Salt Lake City, Utah, July 25-30, 2008.
36. International Conference, Research in Medical Education: Chances and Challenges, Heidelberg, Germany, May 20-22, 2009.
37. Association for Medical Education in Europe, Annual Meeting, Glasgow, Scotland, September 4-8, 2010.
38. 1st International Symposium on Microvascular Medicine, Beijing, China, October 22, 2011.

National and Regional Meetings

1. FASEB Meeting, Atlantic City, New Jersey, April 12-17, 1970.
2. American Institute of Biological Sciences, Bloomington, Indiana, August 23-29, 1970.
3. APS Fall Meeting, Bloomington, Indiana, August 27-September 3, 1970.
4. FASEB Meeting, Chicago, Illinois, April 12-17, 1971.
5. FASEB Meeting, Atlantic City, New Jersey, April 9-14, 1972.
6. FASEB Meeting, Atlantic City, New Jersey, April 7-12, 1974.
7. FASEB Meeting, Atlantic City, New Jersey, April 13-18, 1975.
8. APS Fall Meeting, San Francisco, California, October 6-10, 1975.
9. Microcirculatory Society Meeting, Anaheim, California, April 10-11, 1976.
10. FASEB Meeting, Anaheim, California, April 11-16, 1976.
11. APS Fall Meeting, Philadelphia, Pennsylvania, August 15-20, 1976.
12. American Heart Association, Miami Beach, Florida, November 15-18, 1976.
13. FASEB Meeting, Chicago, Illinois, April 1-8, 1977.
14. Microcirculatory Society Meeting, Atlantic City, New Jersey, April 8-9, 1978.

National and Regional Meetings (Continued)

15. FASEB Meeting, Atlantic City, New Jersey, April 9-14, 1978.
16. American Society for Artificial Internal Organs Meetings Chicago, Illinois, April 27-29, 1978.
17. APS Fall Meeting, St. Louis, Missouri, October 23-27, 1978.
18. APS Fall Meeting, New Orleans, Louisiana, October 15-19, 1979.
19. Microcirculatory Society Meeting, Anaheim, California, April 12-13, 1980.
20. FASEB Meeting, Anaheim, California, April 13-18, 1980.
21. APS Fall Meeting, Toronto, Canada, October 13-17, 1980.
22. Microcirculatory Society Meeting, Atlanta, Georgia, April 11-12, 1981.
23. FASEB Meeting, Atlanta, Georgia, April 13-17, 1981.
24. American Heart Association, Dallas, Texas, November 15-20, 1981.
25. FASEB Meeting, New Orleans, Louisiana, April 15-23, 1982.
26. Microcirculatory Society Meeting, New Orleans, Louisiana, April 24-25, 1982.
27. Kentucky Academy of Science, Ashland, Kentucky, November 5-6, 1982.
28. American Heart Association, Dallas, Texas, November 14-19, 1982.
29. Microcirculatory Society Meeting, Chicago, Illinois, April 9-10, 1983.
30. FASEB Meeting, Chicago, Illinois, April 11-15, 1983.
31. Kentucky Academy of Science, Louisville, Kentucky, November 11-12, 1983.
32. Microcirculatory Society Meeting, St. Louis, Missouri, March 31-April 1, 1984.
33. FASEB Meeting, St. Louis, Missouri, April 2-6, 1984.
34. AAMC Annual Meeting, Chicago, Illinois, October 27-November 1, 1984.
35. Kentucky Academy of Science, Frankfort, Kentucky, November 9-10, 1984.
36. Association of Academic Health Centers, Washington, D.C., April 26-27, 1985.

National and Regional Meetings (Continued)

37. National Invitational Conference on the Clinical Education of Medical Students, Washington, D.C., September 5-6, 1985.
38. APS Fall Meeting, Niagara Falls, New York, October 13-18, 1985.
39. AAMC Annual Meeting, Washington, D.C., October 26-31, 1985.
40. AAMC Management Education Program, Duck Key, Florida, November 7-12, 1985.
41. AAMC Annual Meeting, New Orleans, Louisiana, October 25-29, 1986.
42. Microcirculatory Society Meeting, Washington, D.C., March 28-29, 1987.
43. AAMC Annual Meeting, Washington, D.C., November 6-12, 1987.
44. AAMC Workshop, "The Declining Applicant Pool, Washington, D.C., June 13-14, 1988.
45. AAMC Annual Meeting, Chicago, Illinois, November, 11-17, 1988.
46. AAMC Annual Meeting, Washington, D.C., October 27-November 1, 1989.
47. AAMC Meeting on Faculty Affairs, Chicago, Illinois, September 15-17, 1990.
48. AAMC Annual Meeting, San Francisco, California, October 19-24, 1990.
49. AAMC Group on Student Affairs Committee on Admissions Meeting, Keystone, Colorado, June 26-29, 1991.
50. Coggeshall Conference, Chicago, Illinois, October 17-18, 1991.
51. AAMC Annual Meeting, Washington, D.C., November 8-14, 1991.
52. AAMC Southern Group on Educational Affairs Meeting, Macon, Georgia, March 26-28, 1992.
53. 50th Anniversary Conference of the LCME, Chicago, Illinois, June 2, 1992.
54. AAMC Southern Council of Deans Meeting, Williamsburg, Virginia, October 9-10, 1992.
55. AAMC Annual Meeting, New Orleans, Louisiana, November 6-12, 1992.

National and Regional Meetings (Continued)

56. Robert Wood Johnson Foundation, "General Physician Initiative," Program Development Workshop, Fort Lauderdale, Florida, January 8-9, 1993.
57. AAMC Annual Meeting, Washington, D.C., November 5-11, 1993.
58. AAMC Meeting on Faculty Affairs, Scottsdale, Arizona, January 21-24, 1994.
59. AAMC Annual Meeting, Boston, Mass., October 28-November 2, 1994.
60. Harvard - Macy Institute for Leadership in Medical Education, Boston, Mass., June 18-23, 1995.
61. AAMC Meeting on Faculty Affairs, Newport, Rhode Island, July 16-18, 1995.
62. AAMC Annual Meeting, Washington, D.C., October 27-November 1, 1995.
63. AAMC Meeting on Tenure, Compensation and Career Planning, McLean, Virginia, February 3-6, 1996.
64. AAMC Annual Meeting, San Francisco, California, November 6-12, 1996.
65. AAMC Seminar on Legal Issues in Faculty Tenure and Compensation, Leesburg, Virginia, January 23-24, 1997.
66. Executive Leadership in American Medicine, Bryn Mar, PA, April 9-11, 1997.
67. AAMC Meeting on Faculty Affairs, Snowmass Village, Colorado, July 19-22, 1997.
68. AAMC Annual Meeting, Washington, DC, October 31-November 6, 1997.
69. AAMC Annual Meeting, New Orleans, Louisiana, October 30-November 5, 1998.
70. Executive Leadership in American Medicine, Bryn Mar, PA, April 28-29, 1999.
71. Truman and Marshall Scholarships: Breaking the Code, Fayetteville, Arkansas, July 30-August 1, 1999.
72. Kentucky Conference on the Scholarship of Teaching and Learning: Effective Practices, Cincinnati Airport Marriott, May 21-23, 2000.
73. AAMC Annual Meeting, Chicago, IL, October 27-November 2, 2000.

74. College Board Conference: Developing Effective Partnerships Between Two and Four Year Colleges, Washington, DC, November 30-December 1, 2000.
75. National Association of Fellowship Advisors, Tulsa, Oklahoma, June 22-24, 2001.
76. Kentucky AHEC Conference, Bowling Green, Kentucky, October 24-26, 2001.
77. AAMC Annual Meeting, Washington, DC, November 2-6, 2001.
78. AAMC Annual Meeting, San Francisco, California, November 8-13, 2002.

National and Regional Meetings (Continued)

79. AAMC Annual Meeting, Washington, D.C., November 7-12, 2003.
80. AAMC Annual Meeting, Boston, Mass., November 5-10, 2004.
81. AAMC Annual Meeting, Washington, DC., November 4-10, 2005.
82. AAMC Annual Meeting, Seattle, Washington, October 27-November 1, 2006.
83. Southern Group on Educational Affairs, Louisville, Kentucky, April 19-21, 2007.
84. Immersion Conference II, Relationship-Centered Care Initiative, Indiana University, Indianapolis, Indiana, May 22-25, 2007.
85. AAMC Annual Meeting, Washington, DC., November 2-7, 2007.
86. AAMC Annual Meeting, San Antonio, Texas, October 30-November 5, 2008.
87. AAMC Annual Meeting, Boston, Mass., November 6-11, 2009.
88. AAMC Annual Meeting, Washington, DC., November 5-10, 2010
89. AAMC Annual Meeting, Denver, CO, November 4-9, 2011.

OUTSIDE SCIENTIFIC AND EDUCATION ACTIVITY:

1. Board of Editors, Proceeding of the Society for Experimental Biology and Medicine, 1976-1985.
2. Session Chairman (Exercise), FASEB meeting, Atlantic City, New Jersey, 1978.
3. Member, AIBS/NASA Flight Proposal Peer Review Group, 1978.
4. Site Visit Reviewer, Exercise Physiology Institute, University of Louisville, 1978.
5. Reviewer, Microvascular Research, 1979-1987.
6. Reviewer, Journal of Theoretical Biology, 1981-1988.
7. Session Chairman (cerebral circulation), FASEB meeting, Chicago, Illinois, 1983.
8. Secretary & Chairman, Physiology Section, Kentucky Academy of Science, 1984-1986.
9. Publications Committee, Microcirculatory Society, Inc., 1987-1989.
10. Session Chairman (Renal Microcirculation), Fourth World Congress for Microcirculation, Tokyo, Japan, 1987.
11. Session Chairman (Tumor Microcirculation), Satellite Symposium, Taipei, Taiwan, R.O.C., 1987.
12. Reviewer, Med. Sci. Sports Exercise, 1988-1990.
13. Reviewer, Medical Teacher, 1996-
14. Session Chair at many meetings of the Association for Medical Education in Europe, 1996 - present
15. Reviewer, Medical Education, 2001-
16. Reviewer, J. Intern. Assoc. Med. Science Educators, 2005-
17. Reviewer, Academic Medicine, 2005-

PUBLICATIONS

A. Manuscripts

1. Fox, E.L., S. Robinson and **D.L. Wiegman**: Metabolic energy sources during continuous and interval running. *J. Appl. Physiol.* 27:174-178, 1969.
2. Robinson, S. and **D.L. Wiegman**: Temperature and humidity, In Environmental Physiology, edited by N.B. Slonim, C.V. Mosby Co., St. Louis, 1974, pp. 84-118.
3. Martin, B.J., S. Robinson, **D.L. Wiegman** and L.H. Aulick: Effect of warm-up on metabolic responses to strenuous exercise. *Med. Sci. Sports* 7:147-149, 1975.
4. Miller, F.N., P.D. Harris, **D.L. Wiegman** and M.J. Devaney: Influence of anesthetic agents on small vessel response to norepinephrine. *Bibl. Anat.* 13:157-158, 1975.
5. **Wiegman, D.L.**, P.D. Harris, D.E. Longnecker and F.N. Miller: Microvascular response to hypoxia, hyperoxia, hypercarbia and localized acidosis. *Bibl. Anat.* 13:159-160, 1975.
6. Devaney, M.J., J.E. Rathke, R.W. Bartel, J.E. McDonald, **D.L. Wiegman**, F.N. Miller and P.D. Harris: Continuous measurement of vascular diameters via television microscopy. *ISA Trans.* 15:73-78, 1976.
7. Harris, P.D., D.E. Longnecker, F.N. Miller and **D.L. Wiegman**: Sensitivity of small subcutaneous vessels to altered respiratory gases and local pH. *Am. J. Physiol.* 231:244-252, 1976.
8. Miller, F.N., **D.L. Wiegman**, M.J. Devaney and P.D. Harris: Effect of CO₂ on the α -adrenergic receptor: A control mechanism for tissue blood flow, In Microcirculation, edited by J. Grayson and W. Zingg, Plenum Press, New York, 1976, p. 259-261.
9. **Wiegman, D.L.**, P.D. Harris, F.N. Miller and M.J. Devaney: Microvascular characteristics in the renovascular hypertensive rat, In Microcirculation, edited by J. Grayson and W. Zingg, Plenum Press, New York, 1976, p. 335-337.
10. Nolph, K.D., A.J. Ghods, P. Brown, J. Van Stone, F.N. Miller, **D.L. Wiegman** and P.D. Harris: Factors affecting peritoneal dialysis efficiency. *Dialysis and Transplantation* 6:52-63, 1977.
11. Miller, F.N. and **D.L. Wiegman**: Anesthesia-induced alteration of small vessel responses to norepinephrine. *Eur. J. Pharmacol.* 44:331-337, 1977.
12. Miller, F.N., K.D. Nolph, P.D. Harris, J. Rubin, **D.L. Wiegman** and I.G. Joshua: Effects of peritoneal dialysis solutions on human clearances and rat arterioles. *Trans. Am. Soc. Artif. Intern. Organs* 24:131-132, 1978.

A. Manuscripts (Continued)

13. **Wiegman, D.L.**, P.D. Harris, F.N. Miller, R.J. Morff and F.R. Wilmoth: Survival and microvascular responses to hemorrhage with three anesthetic combinations. *Am. J. Physiol.* 235:H753-H758, 1978.
14. **Wiegman, D.L.**, I.G. Joshua, R.J. Morff, P.D. Harris and F.N. Miller: Microvascular responses to norepinephrine in renovascular and spontaneously hypertensive rats. *Am. J. Physiol.* 236:H545-H548, 1979.
15. Rubin, J., K.D. Nolph, D. Arfania, I.G. Joshua, F.N. Miller, **D.L. Wiegman** and P.D. Harris: Clinical studies with a nonvasoactive peritoneal dialysis solution. *J. Lab. Clin. Med.* 93:910-915, 1979.
16. Miller, F.N., K.D. Nolph, P.D. Harris, J. Rubin, **D.L. Wiegman**, I.G. Joshua, J.Z. Twardowski and A.J. Ghods: Microvascular and clinical effects of altered peritoneal dialysis solutions. *Kidney Intern.* 15:630-639, 1979.
17. **Wiegman D.L.**, F.N. Miller and P.D. Harris: Modification of α -adrenergic responses of small arteries by altered PCO₂ and pH. *Eur. J. Pharmacol.* 57:307-315, 1979.
18. Nolph, K.D., J. Rubin, **D.L. Wiegman**, P.D. Harris and F.N. Miller: Peritoneal clearances with three types of commercially available peritoneal dialysis solutions: Effects of pH adjustment and intraperitoneal nitroprusside. *Nephron* 24:35-40, 1979.
19. Miller, F.N., I.G. Joshua, P.D. Harris, **D.L. Wiegman** and J.R. Jauchem: Peritoneal dialysis solutions and the microcirculation. *Contr. Nephrol.* 17:51-58, 1979.
20. Miller, F.N., **D.L. Wiegman**, I.G. Joshua, K.D. Nolph and J. Rubin: Effects of vasodilators and peritoneal dialysis solution on the microcirculation of the rat cecum. *Proc. Soc. Exper. Biol. Med.* 161:605-608, 1979.
21. Rubin, J, K.D. Nolph, D. Arfania, **D.L. Wiegman**, F.N. Miller and P.D. Harris: Comparison of the effects of lactate and acetate on clinical peritoneal clearances. *Clin. Nephrol.* 12:145-147, 1979.
22. Jauchem, J.R., F.N. Miller, P.D. Harris, **D.L. Wiegman** and I.G. Joshua: Interaction of acetate, lactate and osmolality on contraction of mesenteric arteries. *Microcirculation* 1:37-54, 1981.
23. Morff, R.J., P.D. Harris, **D.L. Wiegman** and F.N. Miller: Muscle microcirculation: Effects of tissue pH, PCO₂ and PO₂ during systemic hypoxia. *Am. J. Physiol.* 240:H746-H754, 1981.

A. Manuscripts (Continued)

24. Joshua, I.G., P.D. Harris, **D.L. Wiegman**, F.N. Miller and J.R. Jauchem: Calcium modulation of microvascular sensitivity during renovascular hypertension. *Proc. Soc. Exp. Biol. Med.* 167:442-447, 1981.
25. **Wiegman, D.L.**, P.D. Harris, I.G. Joshua and F.N. Miller: Decreased vascular sensitivity to norepinephrine following exercise training. *J. Appl. Physiol.* 51:282-287, 1981.
26. Miller, F.N., K.D. Nolph, I.G. Joshua, **D.L. Wiegman**, P.D. Harris and D.B. Andersen: Hyperosmolality acetate and lactate: Dilatory factors during peritoneal dialysis. *Kidney Intern.* 20:397-402, 1981.
27. Meininger, G.A., P.D. Harris, I.G. Joshua, F.N. Miller and **D.L. Wiegman**: Microvascular pressures in skeletal muscle of one-kidney one-clip renovascular hypertensive rats. *Microcirculation* 1:237-254, 1981.
28. Faber, J.E., P.D. Harris and **D.L. Wiegman**: Anesthetic depression of microcirculation, central hemodynamics, and respiration in decerebrate rats. *Am. J. Physiol.* 243:H837-H843, 1982.
29. Joshua, I.G., **D.L. Wiegman**, P.D. Harris and F.N. Miller: Progressive microvascular alterations with the development of renovascular hypertension. *Hypertension* 6:61-67, 1984.
30. Steinhausen, M., H. Kucherer, N. Parekh, S. Weis, **D.L. Wiegman** and H.-R. Wilhelm: Angiotensin control of the renal microcirculation: Effect of blockade by saralasin. *Kidney Intern.* 30:56-61, 1986.
31. Joshua, I.G., F.N. Miller and **D.L. Wiegman**: In vivo venular changes with the development of one-kidney, one-clip hypertension in the rat. *Clin. Exp. Hyper.* A8:1343-1354, 1986.
32. **Wiegman, D.L.**: Strategic Plan: University of Louisville School of Medicine. *Louisville Medicine* 34(11):22-28, 1987 (Editorially reviewed, not peer reviewed).
33. **Wiegman, D.L.** and M. Steinhausen: Propranolol reduces norepinephrine-induced constriction in the rat renal microcirculation. In Microcirculation-an update, Vol. 2, (ed. by M. Tsuchiya, M. Asano, Y. Mishima and M. Oda), Excerpta Medica, Amsterdam, 1987, p:473-474. (A proceedings publication, not peer reviewed).
34. Steinhausen, M., M. Blum, K.H. Endlich, J.T. Fleming, F.G. Holz, N. Parekh and **D.L. Wiegman**: Visualization of renal autoregulation I. perfusion pressure reduction and norepinephrine-infusion. *Kidney Intern.* 35:1151-1160, 1989.
35. Steinhausen, M., S. Weis and **D.L. Wiegman**: Glomerular blood flow. *Kidney Intern.* 38:769-784, 1990.

A. Manuscripts (Continued)

36. Kaplan, J.A., R.B. Greenberg, **D.L. Wiegman**, and M.P. Pfeifer: New Educational Initiatives at the University of Louisville School of Medicine. *Louisville Medicine* 48:379-381, 2001.
37. Crump, W.J., R.S. Fricker, and **D.L. Wiegman**: The Role of a Rural Medical School Campus in Developing a Sense of Place: The First 10 years, (peer-reviewed Letter to the Editor), *Family Medicine* 42:160-161, 2010.
38. Crump, W.J., R.S. Fricker, and **D.L. Wiegman**: A 10-year Evaluation of the Trover Campus: Lessons Learned for Addressing the Need for More Rural Physicians, *J. Ky. Med. Assoc.* 108:137-143, 2010.
39. Ganzel, T.M., R.B. Greenberg, and **D.L. Wiegman**: A Snapshot of Medical Student Education in the United States and Canada: University of Louisville School of Medicine, *Acad Med* 85:S242-S244, 2010.

B. Abstracts

1. **Wiegman, D.L.** and T.J.B. Stier: The effects of varying levels of aerobic metabolism in the relief periods of interval work. Fed. Proc. 29:266, 1970.
2. **Wiegman, D.L.**, S. Robinson, J.S. Heersma and S.P. Tzankoff: Ventilatory and blood gas effects of steady state work in man with varied levels of inspired PO₂. Fed. Proc. 31:372, 1972.
3. Miller, F.N., P.D. Harris and **D.L. Wiegman**: Differences in small vessel responses to norepinephrine after pentobarbital and urethane anesthesia. Fed. Proc. 33:295, 1974.
4. Martin, B.J., S. Robinson, L.H. Aulick, **D.L. Wiegman**, S.P. Tzankoff, and J.S. Heersma: Effect of "warm-up" on metabolic responses to exercise. Fed. Proc. 33:327, 1974.
5. **Wiegman, D.L.**, S. Robinson, T.J.B. Stier, J.S. Heersma, and S.P. Tzankoff: The tidal volume-frequency relationship in man during work. Fed. Proc. 33:438, 1974.
6. **Wiegman, D.L.**, P.D. Harris, D.E. Longnecker, and F.N. Miller: Microvascular response to hypoxia, hyperoxia, hypercarbia and localized acidosis. 8th European Conference for Microcirculation (Le Touquet, France), June 17, 1974.
7. Miller, F.N., P.D. Harris, **D.L. Wiegman**, and M.J. Devaney: Influence of urethane-chloralose anesthesia on small vessel response to norepinephrine. 8th European Conference for Microcirculation (Le Touquet, France) June 17, 1974.
8. Harris, P.D., **D.L. Wiegman**, F.N. Miller, and M.J. Devaney: Small vessel constriction in rat skeletal muscle during hemorrhage with two different anesthetic combinations of alpha-chloralose and urethane. Physiologist 17-240, 1974.
9. Morff, R.J., **D.L. Wiegman**, M.J. Devaney, F.N. Miller, and P.D. Harris: A carotid sinus component in muscle microvascular responses to hypoxia. Fed. Pro. 34:461. 1975.
10. Devaney, M.J., J.E. Rathke, R.W. Bartel, J.E. McDonald, **D.L. Wiegman**, F.N. Miller, and P.D. Harris: Continuous measurement of vascular diameters via television microscopy. Rocky Mountain Bioengineering Symposium (Denver, Colorado), April 28, 1975.
11. **Wiegman, D.L.**, P.D. Harris, F.N. Miller, and M.J. Devaney: Microvascular characteristics in the renovascular hypertensive rat. 1st World Congress for Microcirculation (Toronto, Canada), June 17, 1975.

B. Abstracts (Continued)

12. Miller, F.N., **D.L. Wiegman**, M.J. Devaney, and P.D. Harris: Differential effects of TRIS on the vascular response to norepinephrine. 1st World Congress for Microcirculation (Toronto, Canada), June 19, 1975.
13. **Wiegman, D.L.**, S. Robinson, J.S. Heersma, and S.P. Tzankoff: A mathematical analysis of ventilation during steady state work. *Physiologist* 18:449, 1975.
14. Morff, R.J., **D.L. Wiegman**, F.N. Miller, and P.D. Harris: Interaction of systemic and local mechanisms in muscle microvascular responses to hypoxia. *Fed. Proc.* 35:448, 1976.
15. Miller, F.N., **D.L. Wiegman**, P. D. Harris, and I.G. Joshua: In vivo microvascular response to norepinephrine in striated muscle of renovascular hypertensive rats. *Pharmacologist* 18:226, 1976.
16. **Wiegman, D.L.**, P.D. Harris, F.N. Miller, and I.G. Joshua: Small vein constriction in the spontaneously hypertensive rat. *Physiologist* 19:412, 1976.
17. Nolph, K.D., A.J. Ghods, P. Brown, J.C. Van Stone, F.N. Miller, and **D.L. Wiegman**: Peritoneal dialysis efficiency. Meeting of the Western Dialysis and Transplant Society (Seattle, Washington), October 15, 1976.
18. Harris, P.D., F.N. Miller, I.G. Joshua, **D.L. Wiegman**, and F.R. Wilmoth: Microvascular sensitivity to norepinephrine during altered PCO₂ and pH in renovascular hypertension. *Fed. Proc.* 36:451, 1977.
19. **Wiegman, D.L.**, P.D. Harris, F.N. Miller, and I.G. Joshua: Interaction among the effects of PO₂, PCO₂ and pH on small artery sensitivity to norepinephrine. *Fed. Proc.* 36:522, 1977.
20. **Wiegman, D.L.**, I.G. Joshua, F.N. Miller, and P.D. Harris: Comparison of microvascular characteristics and norepinephrine responses in renovascular and spontaneously hypertensive rats. XXVIIth International Congress of Physiological Sciences (Paris, France), July 21, 1977.
21. Joshua, I.G., F.N. Miller, P.D. Harris, and **D.L. Wiegman**: Effect of altered calcium concentration on the in vivo microvascular response to norepinephrine. *Physiologist* 20:48, 1977.
22. Joshua, I.G., P.D. Harris, **D.L. Wiegman**, F.N. Miller, and F.R. Wilmoth: Microvascular sensitivity to norepinephrine following altered extracellular calcium in normotensive and renovascular hypertensive rats. *Microvasc. Res.* 15:266, 1978.
23. **Wiegman, D.L.**, I.G. Joshua, P.D. Harris, and F.N. Miller: Decreased vascular sensitivity to norepinephrine with exercise training in the rat. *Microvas. Res.* 15:273-274, 1978.

B. Abstracts (Continued)

24. Wilmoth, F.R., R.J. Morff, P.D. Harris, **D.L. Wiegman**, I.G. Joshua, and F.N. Miller: Different responses of small arteries and arterioles to inspired hypoxia. *Fed. Proc.* 37:792, 1978.
25. Miller, F.N., K.D. Nolph, I.G. Joshua, J. Rubin, **D.L. Wiegman**, and P.D. Harris: Human clearances and rat microvascular effects of peritoneal dialysis solutions with altered pH and nitroprusside addition. *Fed. Proc.* 37:794, 1978.
26. Miller, F.N., K.D. Nolph, P.D. Harris, J. Rubin, **D.L. Wiegman**, and I.G. Joshua: Effects of peritoneal dialysis solutions on human clearances and rat arterioles. *Am. Soc. Artif. Intern. Organs Abs.* 7:37, 1978.
27. Jauchem, J.R., F.N. Miller, I.G. Joshua, **D.L. Wiegman**, K.D. Nolph, J. Rubin, and P.D. Harris: Mechanisms of dilation due to peritoneal dialysis solutions: Studies of the rat microvasculature. *Physiologist* 21:59, 1978.
28. Rubin, J., D. Arfania, K.D. Nolph, F.N. Miller, **D.L. Wiegman**, and I.G. Joshua: Peritoneal clearances with a non-vasoactive bicarbonate dialysis solution (NVS). *Clin. Res.* 26:806A, 1978.
29. Wilmoth, F.R., F.N. Miller, P.D. Harris, J.R. Jauchem, I.G. Joshua, and **D.L. Wiegman**: In vivo responses of small arteries, veins and arterioles to serotonin. *Fed. Proc.* 38:1194, 1979.
30. Jauchem, J.R., F.N. Miller, **D.L. Wiegman**, I.G. Joshua, and P.D. Harris: Sodium acetate induced relaxation of mesenteric arterial rings. *Fed. Proc.* 38:1244, 1979.
31. **Wiegman, D.L.**, J.A. Hoelscher, F.N. Miller, I.G. Joshua, P.D. Harris, and J.R. Jauchem: Increased beta-adrenergic receptor sensitivity with exercise training in the rat. *Microvasc. Res.* 17:S21, 1979.
32. Joshua, I.G., **D.L. Wiegman**, P.D. Harris, F.N. Miller, and J.R. Jauchem: Norepinephrine sensitivity of three levels of small arteries in the microcirculation of renovascular hypertensive rats. *Microvasc. Res.* 17:S61, 1979.
33. Miller, F.N., **D.L. Wiegman**, I.G. Joshua, J.R. Jauchem, and P.D. Harris: Effects of vasodilators on vessels in the mesothelial surface of the rat cecum. *Microvasc. Res.* 17:S102, 1979.
34. Faber, J.E., P.D. Harris, **D.L. Wiegman**, F.N. Miller, and I.G. Joshua: Prostaglandin synthesis blockade in a new preparation for study of the skeletal muscle microcirculation in unanesthetized rats. *Physiologist* 22:35, 1979.
35. Jauchem, J.R., F.N. Miller, **D.L. Wiegman**, I.G. Joshua, and P.D. Harris: Acetate and lactate-induced contraction and relaxation of the isolated mesenteric artery. *Physiologist* 22:63, 1979.

B. Abstracts (Continued)

36. Faber, J.E., P.D. Harris, **D.L. Wiegman**, F.N. Miller, and I.G. Joshua: Urethane-chloralose depression of arteriolar vasomotion in skeletal muscle of decerebrate rats. *Microvasc. Res.* 20:108-109, 1980.
37. Harris, P.D., I.G. Joshua, **D.L. Wiegman**, and F.N. Miller: In vivo microvascular reactivity in striated muscle during renovascular hypertension. *Microvasc. Res.* 20:112, 1980.
38. Meininger, G.A., P.D. Harris, I.G. Joshua, **D.L. Wiegman**, and F.N. Miller: Intravascular pressures in cremaster arterioles of normotensive and renovascular hypertensive rats. *Microvasc. Res.* 20:121, 1980.
39. Miller, F.N., K.D. Nolph, I.G. Joshua, P.D. Harris, and **D.L. Wiegman**: The effects of acetate and osmolality on the rat microcirculation and on peritoneal dialysis clearances in humans. *Microvasc. Res.* 20:121, 1980.
40. **Wiegman D.L.**, P.D. Harris, **F.N. Miller**, and I.G. Joshua: Increased response of small arterioles to 2-adrenergic stimulation following exercise training. *Physiologist* 23:120, 1980.
41. Harris, P.D., I.G. Joshua, G.A. Meininger, F.N. Miller, and **D.L. Wiegman**: Selective alterations in skeletal muscle arterioles during one-kidney, one-clip Goldblatt hypertension in the rat. Council for High Blood Pressure Research (Cleveland, Ohio), October 20, 1980.
42. Hippensteele, J.R., P.D. Harris, **D.L. Wiegman**, and I.G. Joshua: Effect of altered bath oxygen and carbon dioxide tension on cremasteric arteriolar diameters in decerebrate rats. *Microvasc. Res.* 21:245, 1981.
43. **Wiegman, D.L.**: Exercise training increases maximal dilation capacity of skeletal muscles arterioles. *Microvasc. Res.* 21:262-263, 1981.
44. Joshua, I.G., **D.L. Wiegman**, and P.D. Harris: Microvascular alterations during renovascular hypertension. *Fed. Proc.* 40:574, 1981.
45. Hippensteele, J.R. and **D.L. Wiegman**: Carbon dioxide-induced changes in the oxygen sensitivity of cremasteric arterioles. Meeting of the Jap. Microcir. Soc. (Tokyo, Japan), July 25, 1981.
46. Bishop, D.A., P.D. Harris, I.G. Joshua, F.N. Miller, and **D.L. Wiegman**: Arteriolar reactivity to angiotensin in the cremaster muscle of the decerebrate rat. *Physiologist* 24:106, 1981.
47. Hippensteele, J.R., P.D. Harris, and **D.L. Wiegman**: Renovascular hypertension: Altered oxygen sensitivity of cremasteric arterioles in decerebrate rats. *Microvasc. Res.* 23:258, 1982.

B. Abstracts (Continued)

48. Xiu, R.J., **D.L. Wiegman**, and P.D. Harris: Effects of altered bath oxygen on cremasteric arteriolar diameters in normotensive and renovascular hypertensive rats. *Microvasc. Res.* 23:279, 1982.
49. **Wiegman, D.L.**, I.G. Joshua, and W.M. Harris: Cardiovascular responses to hypoxia in decerebrate and conscious rats. *Fed. Proc.* 42:747, 1983.
50. Steinhausen, M., H. Kucherer, N. Parekh, S. Weis, K.-R. Wilhelm, and **D.L. Wiegman**: A new model to observe vas afferens, efferens and the glomerular network in vivo: The effects of the angiotensin II antagonist, saralasin. European Nephrology meeting (October 10, 1983), Salzburg, Austria.
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