

Pope L. Moseley, M.D.
4301 West Markham St, Slot 550
Little Rock, AR 72205
PMoseley@uams.edu

501-686-5350 office, 501-686-8407 fax

Date: November 2015

ACADEMIC APPOINTMENTS/MAJOR POSITIONS

07/2015- present	Dean, College of Medicine, University of Arkansas for Medical Sciences
07/2015- present	Executive Vice Chancellor, University of Arkansas for Medical Sciences
07/2013-07/15	Distinguished Professor, University of New Mexico
01/2008-07/15	Reva S. Skelton Research Endowment for Cardiovascular Research
10/2007-07/15	Regents' Professor, University of New Mexico
10/2001-07/15	Professor and Chair, Department of Internal Medicine University of New Mexico School of Medicine, Albuquerque, New Mexico
07/2000- 06/2001	Associate Dean for Research, University of New Mexico School of Medicine, Albuquerque, NM
07/1997-06/2000	Director, Program of Occupational and Environmental Health, University of New Mexico School of Medicine, Albuquerque, NM
07/1997-07/2015	Professor, Department of Biochemistry & Molecular Biology, University of New Mexico School of Medicine, Albuquerque, NM
07/1996-07/2015	Professor, Department of Family and Community Medicine, University of New Mexico School of Medicine, Albuquerque, NM
07/1996-present	Senior Scientist, Lovelace Respiratory Research Institute, Albuquerque, NM
07/1995-09/2001	Chief, Division of Pulmonary, Allergy and Critical Care Medicine, Department of Internal Medicine, University of New Mexico School of Medicine, Albuquerque, NM
07/1995-07/2015	Professor of Medicine, University of New Mexico School of Medicine, Albuquerque, NM
07/1995-06/1996	Adjunct Scientist, Inhalation Toxicology Research Institute, Albuquerque, NM
07/1990-06/1995	Associate Professor, Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, University of Iowa, College of Medicine, Iowa City, IA

- 07/1990-06/1995 Assistant Professor, Department of Exercise Science, University of Iowa, Iowa City, IA
- 07/1986-06/1990 Assistant Professor, Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, University of Iowa, College of Medicine, Iowa City, IA
- 07/1985-06/1986 Instructor, Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, University of Iowa, College of Medicine, Iowa City, IA

LICENSURE

- Iowa License No. 22502, 1981 (inactive)
 New Mexico License No. 95-305 (expiration 07/01/2014)
 New Mexico Board of Pharmacy License No. CS00017780 (expiration 01/31/2017)

BOARD CERTIFICATION

- Diplomat, National Board of Medical Examiners, 1980; No. 222226
 Diplomat, American Board of Internal Medicine, 1985; No. 100854
 Diplomat, American Board of Internal Medicine, Subspecialty: Pulmonary Diseases, 1988; No. 100854
 Diplomat, American Board of Preventive Medicine, Subspecialty: Occupational Medicine, 1989; No. 22120
 Diplomat, National Institute of Occupational Safety and Health (“A” reader certification for Pneumoconiosis), 1991

EDUCATION

- 07/1984-06/1986 Postdoctoral Research Fellow, Laboratory of R. Chalkley, Ph.D., Department of Biochemistry, University of Iowa, Iowa City, IA
- 07/1983-06/1985 Fellow, Pulmonary and Critical Care Medicine, University of Iowa Hospitals and Clinics, Iowa City, IA
- 07/1982-06/1983 M.S., Preventive Medicine and Environmental Health, University of Iowa College of Medicine, Iowa City, IA
- 07/1980-06/1983 Intern and Resident, Internal Medicine and Occupational Medicine University of Iowa Hospitals and Clinics, Iowa City, IA
- 09/1976-06/1980 M.D, University of Illinois College of Medicine, Chicago, IL
- 09/1972-05/1976 B.S, Davidson College, Davidson, NC (cum laude)

HONORS AND AWARDS

- 2013 Distinguished Professor of the University of New Mexico

- 2008 Reva S. Skelton Research Endowment for Cardiovascular Research
- 2007 Regents' Professor, University of New Mexico
- 2007 Visiting Senior Scholar, Center for Inflammation and Metabolism,
Copenhagen Muscle Research Center, Rigshospitalet and Copenhagen University, Copenhagen,
Denmark
- 2006 Outstanding graduate honoree, University of Iowa program in Pulmonary, Critical Care, and
Occupational Medicine
- 1999 Visiting Scholar, School of Sports Sciences, University of Sydney, NSW, Australia
- 1998 Ralph C. Williams Jr., M.D. UNM Department of Internal Medicine Research Award
- 1987 Invited Speaker, NHLBI Symposium of the NIH Centennial Celebration
- 1980 Fellowship from the National Fund for Medical Education to study byssinosis among cotton
workers at the High Institute of Public Health, Alexandria, Egypt
- 1977 James Scholar, University of Illinois
- 1976-78 Illinois General Assembly Scholarship
- 1976 Charles Dana Foundation Scholarship at Davidson College
Phi Beta Kappa

NIH/PHS/DOE PROFESSIONAL SERVICE

- 1997 Reviewer, NHLBI Clinical Investigator Award Presentation Abstracts
- 1993 NSF Reviewer for research proposals for the former Soviet Union and Baltic States.
- 1993 NIEHS P30 Centers Program Scientific Review.
- 1990-1995 Member, American Federation for Clinical Research Foundation Awards Review Committee
- 1990-1995 Reviewer, American Heart Association Grant Awards
- 1990-1995 Grant Review Committee, American Cancer Society Institutional Research Program (University of
Iowa Cancer Center).
- 2003 Special Consultant, Office of Human Research Protection, Review of ARDSnet
- 2006-present Special emphasis study section, National Institute of Arthritis, Musculoskeletal, and Skin Diseases

2006 American Thoracic Society Career Development Award Grant Review
2007-2010 NIEHS P30 Center Review Committee
2007-2010 NIH/ NIEHS Environmental Health Sciences Review Committee
2011 NIEHS R25 Education Grant Review Committee

BOARD SERVICE

2000-2004 Board of Directors, Relay New Mexico
2000-present Board of Directors, UNM Science and Technology Corporation
2001-2007 Board of Directors, University Physicians Associates
2001-2004 New Mexico ACP/ASIM Board Member
2003-2006 Exagen, Inc. University of New Mexico Affiliation Committee
1999-2012 Lovelace Respiratory Research Institute Research Program Oversight Committee
2004-2008 MIND Institute Advisory Board
2005-2012 Board of Directors, Lovelace Respiratory Research Institute (LRRI) Directors
2007-present University of New Mexico Medical Group, Board of Directors
2011-present Chair, Finance Committee, University of New Mexico Medical Group
2012-present Board of directors, National Center for Genome Research

EDITORIAL BOARDS/CONSULTATION

Editorial Positions:

1993-1999 Editorial Advisory Board, Journal of Laboratory and Clinical Medicine
1993-1996 Editorial Board, American Journal of Respiratory and Critical Care Medicine, 1993-1996
2005-present Associate Editor, Exercise and Sport Sciences Review (ESSR)
2005-present Editorial Board, The American Journal of Medicine

AD HOC Editorial Consultant:

American Journal of Physiology
American Journal of Respiratory Cell and Molecular Biology
American Review of Respiratory Disease
Biochemistry
Cancer Research

Chest
Comparative Biochemistry and Physiology
Cytokine
Journal of Applied Physiology
Journal of Biological Chemistry
Journal of Clinical Investigation
Journal of Laboratory and Clinical Medicine
Medicine and Science in Sports and Exercise

PRIOR & CURRENT LEADERSHIP POSITIONS/PROFESSIONAL SOCIETIES & ORGANIZATIONS

UNM School of Medicine Finance Committee

UNM School of Medicine Facilities Task Force

University Physician Associates Financial Review Task Force

UNM Health Sciences Center Executive Clinical Leadership Board

Chair, UNM Health Sciences Center Task Force on Uncompensated Care

Chair, UNM Health Sciences Center Task on Hospital Renovations for Adult Services

University of New Mexico Medical Group, Executive Committee

Health Sciences Center Committee on Rural Health, University of New Mexico, School of Medicine

Advanced Residency Committee, University of New Mexico, School of Medicine

Outreach Steering Committee, Department of Internal Medicine, University of New Mexico, School of Medicine

Howard Hughes Medical Institute Research Committee, University of New Mexico, School of Medicine.

University of New Mexico MBRF Scientific Advisory Committee, University of New Mexico.

Co-Director, Task Force on Outcomes, Health Management Guidelines Group, University of New Mexico,
School of Medicine

Strategic Planning Committee, Research Work Group, UNM Cancer Research and Treatment Center, University
of New Mexico, School of Medicine.

Health Sciences Center Research Committee, University of New Mexico, School of Medicine

Development Committee, Department of Epidemiology, University of New Mexico, School of Medicine

Chair, Research Executive Committee, University of New Mexico, School of Medicine

Chair, Transition group UNM/National Foundation for Functional Brain Imaging

Member, University of New Mexico Presidential Search Committee

Member, UNMHSC Clinical Executive Council (CEC)

Chair, Uncompensated Care Task Force

NATIONAL ORGANIZATIONS/PROFESSIONAL SOCIETIES

National Cancer Institute Advisory Panel on the Biochemical Effects of Pesticide Exposures

Consultant on Workers' Safety, Iowa Department of Transportation

Abstract Review Committee, Midwest Section, American Federation for Clinical Research, Pulmonary Subspecialty Section

Consultant, American Board of Preventive Medicine, Board Review Course

Membership Committee, American Thoracic Society

NIH/APS/ACSM, Working Group on Integrative Biology in Cardiac and Vascular Diseases

State of New Mexico Governor's Advisory Board on Respiratory Care

Advisory Board, National Environmental Respiratory Center, Environmental Protection Agency

Consultant on Agricultural & Environmental Health, Texas Tech University, Lubbock, TX

Western Society of Clinical Investigation, Councilor

Research Institute of New Mexico (BRINM), 2005-present, Vice president 2009-present

Association of Professors of Medicine Communications Committee July 2002-2006

AAIM Professional Development Task Force, 09/04/03-08/04/04

Association of Professors of Medicine Program Planning Committee 2008-2010

Association of Professors of Medicine New Chairs Program-Building the Research Enterprise 2008-2010

CLINICAL CARE, University of New Mexico

Attending Physician, Medical Intensive Care Unit 1995-2002

Attending Physician, Pulmonary Consultation Service 1995-present

Attending Physician, Occupational Lung Clinic 1995-2002

Attending Physician, Multi-Disciplinary Toxicology Clinic 1995-2001

RESEARCH PROGRAM

My research focuses on the role of the cellular heat shock protein (HSP) response in the adaptation of the whole organism. In the intracellular environment, the HSPs serve as protein transporters and are associated with tolerance to a variety of stresses. Our research group made the initial observations that alterations in cellular HSP accumulation occur in humans under physiologic conditions (aerobic exercise), and that a conditioning heat stress sufficient to cause HSP accumulation protects the whole organism from endotoxin exposure.

We have also explored the mechanisms behind the differential regulation of the heat shock response by oxidants, and demonstrated that the inability of aged organisms to accumulate HSP70 following heat stress reflects an alteration in gene regulation rather than a loss of potential to produce HSP70. Using both cellular systems and studies in the intact organism, our research group has identified gut injury and the loss of epithelial barrier integrity as early and pivotal events in the pathogenesis of heat stress. We have also defined the role of HSPs in

modulating the inflammatory response. We use both basic and translational systems that examine the mechanisms of cellular adaptation using exercise and glutamine supplementation to augment the heat shock response and HSF-1 inhibitors in exercising humans to block the heat shock response. Using our gene transfer system, our group demonstrated the requirement of HSPs in viral replication. Our patents on methods to purify and synthesize HSP-peptide complexes will allow us to conduct a variety of studies on the immune response to tumors, and make possible a number of studies and potential treatment applications.

In addition to my laboratory based research program, I have an ongoing collaboration with the Center for Biologic Sequence Analysis, a joint Danish National Center of The technical University of Denmark (DTU) and the University of Copenhagen where we are developing models of disease projection using the Danish National Health Registry. In this role, I am a Professor of the University of Copenhagen and guest Professor of the Department of Systems Biology at DTU. Finally, I serve as the Associate Director of the University of New Mexico Clinical Translational Science Center (UL1), I oversee the development of Comparative Effectiveness Research and the development of the Health Sciences Center informatics platform.

GRANTS

Funded Proposals – Principal Investigator/Co-Investigator

Funding Organization: National Institute of Health, RM-07-007_
Project Title: University of New Mexico Clinical Translational Science Center (UL1)
Principal Investigator: Richard Larson, M.D., Ph.D.
Pope L. Moseley, M.D., Associate Director
Member, National CTSA Comparative Effectiveness Key Function Committee
Percent Effort: 20%
Dates: 06/1/10-03/31/15

Funding Organization: National Institute of Health 1U54GM104944-01A1
Project Title: Clinical and Translational Research Infrastructure Network (CTR-IN)
Principal Investigator: R. Langer (UNLV), R. Larson (co-PI UNM) and P. Moseley (co-PI UNM)
Percent Effort: 15%
Dates: 09/01/13-08/31/18

Funding Organization: Subcontract, Novo Nordisk Foundation
Project Title: University of Copenhagen Center for Biologic Sequence Analysis, Department of Systems Biology
Principal Investigator: Pope L. Moseley (UNM)
Percent Effort: 25%
Dates: 09/01/12-08/31/15

Pending:

Funding Organization: National Institute of Health, UL1TR000041-03
Project Title: Pilot study: Activating the Heat Shock Response using Glutamine Improves Survival in severe Malarial Anemia: University of New Mexico Clinical Translational Science Center
Principal Investigator: Pope L. Moseley, M.D.

Duration of Award: April 1, 2014 – March 31, 2015
Percent Effort: 5%

Funding Organization: Patient Centered Outcomes Research Institute (PCORI)
Project Title: The Integrated Clinical System Research Network (ICSRN) – Phase I
Principal Investigator: Jon DeShazo (VCU), Pope L. Moseley, M.D. (UNM), Jerry Parker (U Missouri)
Duration of Award: January 1, 2014 – June 30, 2015
Percent Effort: 15%

Prior Funding:

Funding Organization: National Institutes of Health, NIH RO1-AR40771
Project Title: Heat Stroke and Hyperthermia: Molecular Mechanisms
Principal Investigator: Pope L. Moseley, M.D.
Duration of Award: July 1, 2002 – June 30, 2008 (years 11-15)
Percent Effort: 20%

Funding Organization: National Institute of Environmental Health Sciences, NIEHS P20-ES012072
Project Title: NIEHS Environmental Center Environmental Respiratory Disease in Native Americans
Principal Investigator: Pope L. Moseley, M.D.
Duration of Award: April 1, 1999 to March 31, 2003

Note: Scott W. Burchiel, Ph.D., Deputy Director, assumed directorship on 10/01/01 when I became Chair of Internal Medicine

Funding Organization: National Institute of Environmental Health Sciences, NIEHS P30-ES012072
Project Title: NIEHS Environmental Health Sciences Center Environmental Respiratory Diseases in Native Americans
Principal Investigator: Scott Burchiel, Ph.D.
Pope L. Moseley, M.D., Deputy Director
Duration of Award: April 1, 2003 to March 31, 2008
Percent Effort: 10%

Funding Organization: National Institute of Health, NIH RO1-HL61389
Project Title: GI Barrier Heat Injury: Systemic and Molecular Mechanisms
Principal Investigator: Larry Oberley, Ph.D.
Co-Investigator: Pope L. Moseley, M.D.
Duration of Award: December 1, 1998 to November 30, 2003

Funding Organization: National Institute of Health, NIH R01-AG14687
Project Title: Heat Shock Protein Regulation with Stress and Aging
Principal Investigator: K. Kregel, Ph.D.
Co-Investigator: Pope L. Moseley, M.D.
Duration of Award: September 1, 1998 to August 31, 2003

Funding Organization: NIH
Project Title: Role of Heat Shock Response in Activation of a Zoonotic Virus
Principal Investigator: Brian L. Hjelle, M.D.
Duration of Award: February 1, 2001 to January 31, 2002

Funding Organization: American Lung Association Asthma Research Center, RFA ES-98004
Project Title: Asthma Research Center-Pilot Project Program
Principal Investigator: Mary Lipscomb, M.D.
Co-Investigator: Pope L. Moseley, M.D. (Pilot Project Program Director)
Duration of Award: January 1, 1997 to December 31, 2001

Funding Organization: National Institute of Environmental Health Sciences
Project Title: Uranium Education in the Navajo Nation
Principal Investigator: M. Bauer, Ph.D., DINE College, D. Coultas, M.D.
Co-Investigator: Pope L. Moseley, M.D.
Duration of Award: October 23, 1996 to September 29, 2000

Funding Organization: Dept. of Defense Women's Health Research Program, DAMD 17-95-C-5093
Project Title: Use of Biomarkers to Optimize Heat Acclimatization in Women
Principal Investigator: Carl V. Gisolfi, Ph.D.
Co-Investigator: Pope L. Moseley, M.D.
Duration of Award: September 1995 to February 1999

Funding Organization: Centers for Disease Control
Project Title: Identify the Relationship between Exposures and Health Concerns in Persian Gulf War Veterans
Principal Investigator: J. A. Merchant
Duration of Award: December 1, 1994 to November 30, 1996

Funding Organization: National Institutes of Health R27-HL40349, First Award
Project Title: Mechanisms of Bleomycin Lung Disease
Principal Investigator: Pope L. Moseley, M.D.
Duration of Award: April 1988 to September 1994

Funding Organization: National Institutes of Health Clinical Investigator Award, K08-HLO1366
Project Title: Granulocyte Augmentation of Drug-Induced Lung Injury
Principal Investigator: Pope L. Moseley, M.D.
Duration of Award: July 1985 to June 1990

Funding Organization: National Institutes of Health, RO3-04-018-56
Project Title: Lung Parenchymal Injury Induced by Environmental Factors

Principal Investigator: Pope L. Moseley, M.D.

Duration of Award: July 1983 to June 1985

RESEARCH AWARDS GRANTED TO TRAINEES

National Institutes of Health Institutional Training Grant T32 HLO7638. Awarded: Shawn Flanagan; Sponsor: P. L. Moseley. July 1991-June 1993, \$9,600.

National Institutes of Health Clinical Associate Physician Award: "Organic Dust Disease: Mechanisms Related to the Stress Protein (HSP) Response", PI: J. I. Gotchall; Sponsor: P. L. Moseley, December 1992-November 1995, \$57,500/year.

Iowa Cardiovascular Center-Institutional Research Fellowship. Awarded: L. Solomon, Ph.D.; Sponsor: P. L. Moseley, August 1987-July 1988, \$17,000.

University of Iowa Interdisciplinary Research Assistantship Program. Awarded: Alan Ryan; Sponsors: P. L. Moseley and C. V. Gisolfi, June 1990-May 1991, \$11,000.

American Heart Association Fellowship. Awarded: Larry Solomon; Sponsor: P. L. Moseley, July 1990-June 1991, \$17,000.

Gatorade Sports Science Institute Student Research Award. Awarded: Shawn Flanagan; Sponsor: P. L. Moseley, October 1994-September 1995, \$1,000.

Deutscher Akademischer Austauschdienst (German Academic Exchange Service). Awarded: Jan Roigas, M.D. Sponsor: P. L. Moseley, June, 1995-Nov., 1996, \$60,000.

American Physiological Society's Perkins Memorial Award. Fellowship Awarded: Karol Dokladny, PhD. Sponsor: P. L. Moseley, 1999.

National Institutes of Health Institutional Training Grant T32 AI07538. Awarded: Karla Melendez, Sponsor: P. L. Moseley, 2000 to 2003.

Coor de Nacao de Aperfeicoamento de Pessoal Ensino Superior, Awarded: Fabiano Amorim, Ph.D.

PATENT AWARDED

U.S. Patent Number 5,747,332 Awarded, "Methods for Purifying and Synthesizing Heat Shock Protein Complexes"

Federal Republic of German Patent Number 297 24 684.4 Awarded "Methods for Synthesizing Heat Shock Protein Complexes"

U.S. Patent Number 5,981,706 Awarded, "Methods for Synthesizing Heat Shock Protein Complexes"

U.S. Patent Number 6,066,716 Awarded, "Purified Heat Shock Protein Complexes"

U.S. Patent Number 6,433,141 Awarded, "Purified Heat Shock Protein Complexes"

U.S. Patent Number 6,455,493 Awarded, "Methods for Using Heat Shock Protein Complexes"

U.S. Patent Number 6,713,608 Awarded "Purified Heat Shock Protein Complexes"

PUBLICATIONS

Articles in Peer-Reviewed Journals

1. **Moseley PL**, Kohler JP, Rice CL, Schwartz J, Zarins C, Gould S, Kerstein M and Moss G. Does Sepsis Reduce Threshold Hydrostatic Pressure in Pulmonary Edema? **Surg Forum** 30:170-172, 1979.
2. **Moseley PL** and Kerstin MD. Pregnancy and Thrombophlebitis. **Surg Gynecol Obstet** 150(4):593-599, 1980.
3. Kohler J, Rice C, **Moseley PL**, Schwartz J, Zarins C, Gold S and Moss G. Sepsis Reduces the Threshold for Pulmonary Edema in Baboons. **J Surg Res** 30:129-134, 1981.
4. **Moseley PL**, Gold R, Field R, Rodriguez-Erdmann F. Hemophilia, Maintenance Hemodialysis and Septic Arthritis. **Arch Int Med** 141:138-139. 1981 (Case Report).
5. Kerstein MD, Kohler JP, Gould S and **Moseley PL**. Pulmonary Extraction of Biogenic Amines during Septic Shock. **Am Surgeon** 48:552-554. 1982.
6. Cobb, WB, Helms, CM and **Moseley PL**. Toxic Shock Syndrome in a Young Man with a Pilonidal Abscess. **N Engl J Med** 306:1422-1423, 1982. (Case Letter).
7. Goldsmith JC, **Moseley PL**, Monick N, Brady M and Hunninghake GW. T-lymphocyte Subpopulation Abnormalities in Apparently Healthy Patients with Hemophilia. **Ann Int Med** 98:294-297, 1983.
8. **Moseley PL**, Shasby DM, Brady M and Hunninghake GW. Lung Parenchymal Injury Induced by Bleomycin. **Am Rev Respir Dis** 130:1082-1086, 1984.
9. Goldsmith JC, **Moseley PL**, Monick MM, McCormick JJ, Walker DY, Hunninghake GW. Immunologic Profiles of Adult Hemophiliacs. **J AIDS Res** 1(3):163-179, 1984.
10. Metzger WJ, Nugent KM, Richerson JB, **Moseley PL**, Lakin R, Zavala D and Hunninghake GW. Methods for Bronchoalveolar Lavage in Asthmatic Patients Following Bronchoprovocation and Local Antigen Challenge. **Chest** 87(1):16S-19S, 1985.
11. **Moseley PL**, Hemken C, Hunninghake GW. Augmentation of Fibroblast Proliferation by Bleomycin. **J Clin Invest** 78:1150-1154, 1986.
12. **Moseley PL**, Nugent KN, Monick M, Hunninghake GW. Interferon Growth Factor Activity for Human Lung Fibroblasts. **Chest** 89:657-662, 1986.
13. Metzger WJ, **Moseley PL**, Richerson HB, Zavala DC, Iwamoto P, Monick M, Sjoerdsma K, Hunninghake GW. Local Allergen Challenge and Bronchoalveolar Lavage of Allergic Asthmatic Lungs. **Am Rev Respir Dis** 135:433-440, 1987.
14. **Moseley PL** and Chalkley R. Bleomycin Induced DNA Damage in Vitro and in Intact Cells. **J Lab Clin Med** 110:618-623, 1987.

15. Fick RB, Metzger WJ, Richerson HB, Zavala DC, **Moseley PL**, Schoderbek WE, Hunninghake GW. Increased Bronchovascular Permeability Following Allergen Exposure Asthmatics. **J Appl Physiol** 63:1147-1155, 1987.
16. **Moseley PL**, Monick M, Hunninghake GW. Divergent Effects of Silica on Lymphocyte Proliferation and Immunoglobulin Production. **J Appl Physiol** 65:350-357, 1988.
17. **Moseley PL**, York SJ and York J. Bleomycin Induces Expression of the HSP 70 Heat Shock Promoter. **Am J Resp Cell Mol Biol** 1:89-93, 1989.
18. Gotchall J, Comried L, Bredlau G and **Moseley PL**. Evaluation of an Inaccurate Pulmonary Artery Catheter Thermistor. **Chest** 96:941-943, 1989.
19. Jolles H, **Moseley PL**, Peterson MW. Nodular Pulmonary Opacities in Patients with Rheumatoid Arthritis. **Chest** 96(5):1022-1025, 1989.
20. **Moseley PL**. Augmentation of Bleomycin-Induced DNA Damage in Intact Cells. **Am J Physiol Cell**: 257:882-887, 1989.
21. Solomon LR, Beerelli RD and **Moseley PL**. Bleomycin: Fe can Degrade DNA in the Presence of Excess EDTA in Vitro. **Biochemistry** 28:9932-9937, 1989.
22. Ryan AJ, Gisolfi CV, **Moseley PL**. Synthesis of the 70kD Stress Protein in Exercising Humans. **J Appl Physiol** 70:466-471, 1991.
23. Peterson MW, Geist L, **Moseley PL**. Mortality Following Cardiopulmonary Resuscitation in the Medical Intensive Care Unit. **Chest** 100:168-17, 1991.
24. Buettner GR, **Moseley PL**. Ascorbate both Activates and Inactivates Bleomycin by Free Radical Generation. **Biochemistry** 31:9784-9788, 1992.
25. Ryan AJ, Flanagan S, **Moseley PL**, Gisolfi CV. Acute Heat Stress Protects Rats Against Endotoxin Shock. **J Appl Physiol** 73:1517-1522, 1992.
26. Cox G, **Moseley PL**, Hunninghake GW. Induction of Heat Shock Protein 70 in Neutrophils During Exposure to Subphysiological Temperatures. **J Infect Dis** 167:769-771, 1993.
27. Buettner GR, **Moseley PL**. ESR Spin Trapping of Radicals Produced by Iron, Bleomycin, and Ascorbate. **Free Rad Res Commun** 19:589-593, 1993.
28. **Moseley PL**, McCafferty JD, Wallen E, Flanagan S, Kern JA. Heat Stress Regulates the Human 70kD Heat Shock Gene Through Its 3' Untranslated Region. **Am J Physiol** 64:L533-L537, 1993.
29. Paulas JA, Tucker RD, Flanagan SW, **Moseley PL**. Heat Shock Protein Response to Interstitial Thermotherapy in a Prostate Tumor Model. **Prostate** 23:263-270, 1993.
30. **Moseley PL**, Gapen C, Wallen ES, Walter ME, Peterson MW. Thermal Stress Induces Epithelial Permeability. **Am J Physiol (Cell)** 36:425-434, 1994.

31. Moseley KA, **Moseley PL**. The TDD: An Inclusion Tool. **Perspectives in Education and Deafness** 13:10-12, 1994.
32. Flanagan SW, Ryan AJ, Gisolfi CV, **Moseley PL**. Tissue Specific HSP70 Response in Animals Undergoing Heat Stress. **Am J Physiol** 268:R268-32, 1994.
33. Hall DM, Oberley TW, Oberley LW, **Moseley PL**, Gisolfi CV. Hyperthermia Stimulates HSP70 Synthesis and Increases the Concentration of Mnsod in Splanchnic Viscera of the Rat. **FASEB Journal** 9:256, 1995.
34. Gapen C, **Moseley PL**. Acidosis Alters Hyperthermic Cytotoxicity and the Cellular Stress Response. **Thermal Biology** 20:321-325, 1995.
35. Kregel KC, **Moseley PL**, Skidmore R, Gutierrez J, Guerriero V. HSP70 Accumulation in Tissues of Heat-Stressed Rats in Blunted with Advancing Age. **J Appl Physiol** 79(5):1673-1678, 1995.
36. Kregel KG, and **Moseley PL**. Differential Effects of Exercise and Heat Stress on Liver HSP70 Accumulation with Aging. **J Appl Physiol** 80(2):547-551, 1996.
37. **Moseley PL**, Blanck PD, Merritt R. Hospital Privileges and the Americans with Disabilities' Act. **Spine** 21(2):2288-2293, 1996.
38. Mittelberg KN, Tucker RD, Loening SA, **Moseley PL**. Effect of Radiation and Hyperthermia on Prostate Tumor Cells with Induced Thermal Tolerance and the Correlation with HSP70 Accumulation. **Urologic Oncology** 2:146-151, 1996.
39. Roigas J, Wallen ES, Loening SA, **Moseley PL**. β -galactosidase as a Marker of HSP70 Promoter Induction in Dunning R3327 Prostate Carcinoma Cells. **Urological Research** 25:251-252, 1997.
40. Kluger MJ, Rudolph K, Soszynski D, Conn CA, Leon LR, Kozak W, Wallen ES, **Moseley PL**. Effect of Heat Stress on LPS-induced Fever and Tumor Necrosis Factor. **Am J Physiol** 273(42):R858-R863, 1997.
41. Rudolph D, Soszynski D, Kozak W, Conn CA, Leon LR, Kluger MJ, Wallen ES, **Moseley PL**. Effect of Heat Stress on LPS-induced Fever. **FASEB J** 11:58, 1997.
42. Wallen ES, Buettner GR and **Moseley PL**. Oxidants Differentially Regulate the Heat Shock Response. **Int J Hyperthermia** 13(5):517-524, 1997.
43. Roigas J, Wallen ES, Loening SA, **Moseley PL**. Effect of Combined Treatment of Chemotherapeutics and Hyperthermia on Survival and the Regulation of Heat Shock Proteins in Dunning R3327 Prostate Carcinoma Cells. **Prostate** 34:195-202, 1998.
44. Flanagan SW, **Moseley PL**, Buettner G. Increased Flux of Free Radicals in Cells Subjected to Hyperthermia: Detection by Electron Paramagnetic Resonance Spin Trapping. **FEBS Letters** 431:285-286, 1998.
45. Chang RT, Lambert GP, **Moseley PL**. Effect of Estrogen Supplementation on Exercise Thermoregulation in Pre-menopausal Females. **J Appl Physiol** 85 (#6):2082-2088, 1998.

46. Roigas J, Wallen ES, Loening SA, **Moseley PL**. Heat Shock Proteins (HSP72) Surface Expression Enhances the Lysis of a Human Renal Cell Carcinoma by IL-2 Stimulated NK Cells. **Advances in Experimental Medicine and Biology** 451:225-229, 1998.
47. Iwamoto GW, Ainsworth A, **Moseley PL**. Hyperthermia Enhances Cytomegalovirus Regulation of HIV-1 and TNF α Gene Expression. **Am J Physiol**. 277:L1051-L1056, 1999.
48. Hall DM, Oberley TD, **Moseley PL**, Buettner GR, Oberley LW, Weindruch R, Kregel KC. Caloric Restriction Improves Thermotolerance and Reduces Hyperthermia-induced Cellular Damage in Old Rats. **FASEB J** 14:78-86, 2000.
49. Hall DM, Xu L, Drake VJ, Oberley TD, **Moseley PL**, Kregel KC. Aging Reduces Adaptive Capacity and Stress Protein Expression in the Liver After Heat Stress. **J Appl Physiol**. 89:749-759, 2000.
50. Glotzer J, Saltih M, Chicocca S, Michon A, **Moseley PL**, Cotton M. A DNA Tumor Virus Protein GAM-1 has the Essential Function in Virus Replication of Activating a Heat Shock Response. **Nature** 407(6801):207-211, 2000.
51. Dokladny K, Kozak A, Wachulec M, Wallen ES, Menache M, Kozak W, Kluger M, **Moseley PL**. Effect of Heat Stress on LPS-induced Febrile Response in D-galactosamine Sensitized Rats. **Am J Physiol: Reg, Integ and Comp Physiol**. 280:R338-R344, 2001.
52. Walsh RC, Koukoulas I, Gamham A, **Moseley PL**, Hargreaves M, Febbraio MA. Exercise Increases Serum Hsp72 in Humans. **Cell Stress Chaperones**. 6(4):386-393, 2001.
53. Lambert GP, Gifolfi CV, Berg DJ, **Moseley PL**, Oberley LW, Kregel KC. Hyperthermia-induced Intestinal Permeability and the Role of Oxidative and Nitrosative Stress. **J Apply Physiol**. 2002 Apr; 92(4):1750-1761.
54. Roigas J, Wallen ES, Loening S, **Moseley PL**. Estramustine Phosphate Enhances the Effects of Hyperthermia and Induces the Small Heat Shock Protein HSP27 in the Human Prostate Carcinoma Cell Line PC-3. **Urol. Res**, 2002, May: 30(2): 130-135.
55. Harkins MS, **Moseley PL**, Iwamoto GK. Regulation of CD23 is Important in the Chronic Inflammatory Response in Asthma: A Role for γ -IFN and HSP70 in the Th2 Environment. **Asthma Immunol**. 91(6):567-574, 2003.
56. Savell J, Ma Y, Morrow KS, Jove R, Olashaw N, **Moseley PL**, Cress WD, Wharton W. AG490 Inhibits G₁/S Traverse in Balb/c-3T3 Cells Following Either Mitogenic Stimulation or Exogenous Expression of E2F-1. **Mol. Cancer Ther**. 3:205-213, 2004.
57. Roigas J, Jensen CA, Wallen ES, Loening SA, Wharton W, **Moseley PL**. Repression of Thermotolerance in Dunning R3327 Prostate Carcinoma Cells by 2-Deoxyglucose. **Int J Hyperthermia** 20:557-566, 2004.
58. Raj DSC, Dominic EA, Pal A, Osman F, Morgan M, Pickett G, Shah VA, Ferrando A, **Moseley PL**. Skeletal Muscle, Cytokines and Oxidative Stress in End-stage Renal Disease. **Kidney Int'l** 68:2338-2344, 2005.

59. Dokladny K, **Moseley PL**, Ma TY. Physiologically Relevant Increase in Temperature Causes an Increase in Intestinal Epithelial Tight Junction Permeability. **Am J Physiol: Gastro**: 290:2; G204-212, 2006.
60. Shah VO, Dominic EA, **Moseley PL**, Pickett G, Fleet M, Ness S, Raj DSC. Hemodialysis Modulates Gene Expression Profile in Skeletal Muscle. **Am J Kidney Dis** 48(4):616-628, 2006.
61. Dokladny K, Wharton W, Lobb R, Ma TY, **Moseley PL**. Induction of Physiological Thermotolerance in MDCK Monolayers: Contribution of HSP70. **Cell Stress Chaperones** 11:268-275, 2006.
62. Melendez KF, Mobarak C, Bear DG, Wallen ES, Edwards B, **Moseley, PL**. Heat Shock Protein Surface Expression in Human Breast Cells. **Cell Stress Chaperones** 11:334-42, 2006.
63. Guo S, Wharton W, **Moseley PL**, Shi H. Heat Shock Protein 70 Regulates Cellular Redox Status by Modulating Glutathione Related Enzyme Activities. **Cell Stress Chaperones** 12:245-254, 2007.
64. Yamada P, Amorim FA, **Moseley PL**, Robergs R, Schneider SM. Effect of Heat Acclimation on Heat Shock Protein 72 and Interleukin-10 in Humans. **J Appl Physiol** 103:1196-1204, 2007.
65. Raj DSC, Boivin MA, Dominic EA, Boyd A, Roy PK, Rihani R, Tzamouloukis AH, Shah VA, **Moseley, PL**. Hemodialysis Induces Mitochondrial Dysfunction and Apoptosis. **Eur J Clin Invest** 37:971-977, 2007.
66. Dokladny K, Ye D, Kennedy J, **Moseley PL**, Ma TY. Cellular and Molecular Mechanisms of Heat Stress Induced Upregulation and Occludin Protein Expression: Regulatory Role of HSF-1 **Am J Pathol** 172:659-70, 2008.
67. van Hall G, Steensberg A, Fischer C, Keller C, Hiscock N, Moller K, Saltin B, **Moseley PL**, Pedersen B. Interleukin-6 Markedly Decreases Skeletal Muscle Protein Turnover and Increases Non-muscle Amino Acid Utilization in Healthy Individuals. **J Clin Endo Met** 93:2852-8, 2008.
68. Dokladny K, Wharton W, Ma TY, **Moseley PL**. Lack of Cross-Tolerance Following Heat and Cadmium Exposure in Functional MDCK Monolayers. **J Appl Tox** 28(7):885-94, 2008.
69. Raj DSC, **Moseley PL**, Dominic EA, Onime A, Tzamaloukas AH, Boyd A, Shah VH, Glew R, Ferrando A. Interleukin-6 Modulates Hepatic and Muscle Protein Synthesis during Hemodialysis. **Kidney Int** 73(9):1054-61, 2008.
70. van Hall G, Steensberg A, Fischer C, Keller C, Moller K, **Moseley PL**, Pedersen BK. Interleukin-6 Markedly Decrease Skeletal Muscle Protein Turnover and Nonmuscle Amino Acid Utilization in Healthy Individuals. **J Clin Endocrinol Metab**. 93(7):2851-8, 2008.
71. Amorim FA, Yamada PM, Robergs Ra, Schneider SM, **Moseley PL**. The Effects of the Rate of Heat Storage on Serum Heat Shock Protein 72 in Humans. **Eur J Appl Physiol**.104 (6):965-72, 2008.
72. Yamada P, Amorim FA, **Moseley PL**, Schneider SM. Heat Shock Protein 72 Response to Exercise in Humans. **Sport Medicine** 38:715-33, 2008.
73. Shah VO, Scariano J, Waters D, Qualls C, Morgan M, Pickett G, Gasparovic C, Dokladny K, **Moseley PL**, Raj DCS. Mitochondrial Deletion and Sarcopenia. **Genetics in Medicine** 11(3):147-52, 2009.

74. Andreasen AS, Pedersen-Skovsgaard T, Mortensen OH, van Hall G, **Moseley PL**, Pedersen BK. The Effect of Glutamine Infusion on the Inflammatory Response and HSP70 during Human Experimental Endotoxemia. **Critical Care** 13:1R7. 2009.
75. Raj DSC, Carrero JJ, Shah VO, Qureshi AR, Bárány P, Heimbürger O, Lindholm B, Ferguson J, **Moseley PL**, Stenvinkel P. Soluble CD14 Levels, Interleukin 6, and Mortality Among Prevalent Hemodialysis Patients. **Am J Kidney Dis.** 54:1072-80, 2009.
76. Song H, **Moseley PL**, Lowe SL, Ozbun MA. Inducible Heat Shock Protein 70 Enhances HPV31 Viral Genome Replication and Virion Production During the Differentiation-Dependent Life Cycle in Human Keratinocytes. **Virology Research** 147:113-22, 2010.
77. Dokladny K, Lobb R, Wharton W, Ma TY, **Moseley PL**. LPS-induced Cytokine Levels are Repressed by Elevated Expression of HSP70 in Rats: Possible Role of NF-kappaB. **Cell Stress Chap:** 15-153-63, 2010.
78. Boivin MA, Battah SI, Dominic EA, Kalantar-Zadeh K, Ferrando A, Tzamaloukas AH, Dwivedi R, Ma TY, **Moseley PL**, Raj DSC. Activation of Caspase-3 in the Skeletal Muscle during Haemodialysis. **Eur J Clin Invest** 40:903-10, 2010.
79. Ramadass B, Dokladny K, **Moseley PL**, Patel YR, Lin HC. Sucrose Co-administration Reduces the Toxic Effect of Lectin on Gut Permeability and Intestinal Bacterial Colonization. **Dig Dis Sci** 2010 Oct; 55(10):2778-84, 2010.
80. Amorim FA, Robergs RA, Schneider SM, **Moseley PL**. Effects of Whole-body Heat Acclimation on Cell Injury and Cytokine Responses in Peripheral Blood Mononuclear Cells. **Eur J Appl Physiol** 111(8):1609-18, 2011.
81. Kuennen MR, Gillum T, Dokladny K, Bedrick E, Schneider SM, **Moseley PL**. Thermotolerance and Heat Acclimation Share a Common Mechanism in Humans **Am J Physiol: Reg, Integ and Comp Physiol.** 301(2):R524-33, 2011.
82. Zuhl M, Schneider S, Lanphere K, Conn C, Dokladny K, **Moseley PL**. Exercise Regulation of Tight Junction Proteins. **Br J Sports Med.**10:1136-1144, 2012.
83. Kuennen M, Gillum T, Dokladny K, Schneider S, **Moseley P**. Fit Persons Are at Decreased (Not Increased) Risk of Exertional Heat Illness. **Exerc Sport Sci Rev.**41 (2):134-5, 2013.
84. Dokladny K, Zuhl MN, Mandell M, Bhattacharya D, Schneider S, Deretic V, **Moseley PL**. Regulatory Coordination Between Two Major Intracellular Homeostatic Systems: Heat Shock Response and Autophagy. **J Biol Chem;** 288:14959-72, 2013.
85. Zuhl MN, Lanphere KR, Kravitz L, Mermier CM, Schneider S, Dokladny K, **Moseley PL**. The Effects of Oral Glutamine Supplementation on Exercise Induced Gastrointestinal Permeability and Tight Junction Protein Expression. **J Appl Physiol** 15;116:183-91, 2013.
86. Matos MA, Ottone VD, Duarte TC, Samoio PF, Costa KB, Fonseca CA, Neves MP, Schneider SM, **Moseley PL**, Coimbra CC, Magalhaes FD, Rocha-Vieira E, Amorim FT: Exercise Reduces Cellular Stress Related to Skeletal Muscle Insulin Resistance. **Cell Stress Chaperones** 19:263-70, 2014.

87. Jensen AB,(**co-first Authors**) **Moseley PL**, Oprea TI, Ellese SG, Eriksson R, Schmock H, Jensen PB, Jensen LJ, Brunak S: Temporal Disease Trajectories Condensed from Population-Wide Registry Data Covering 6.2 Million Patients. **Nature Communications 5, Article Number: 4022, 2014.**
Doi:10.1038/ncomms5022.
88. Zuhl M, Dokladny K, Mermier C, Schneider S, Salgado R, **Moseley PL**: The effects of acute oral glutamine supplementation on exercise-induced gastrointestinal permeability and heat shock protein expression in peripheral blood mononuclear cells. **Cell Stress Chaperones.** 2014 Jul 26. [Epub ahead of print].

MANUSCRIPTS IN REVIEW/REVISION

1. Song H, **Moseley PL**, Ozbun MA. HSP70i Enhances HPV31 Major Capsid Protein L1 Nuclear Accumulation and Virion Morphogenesis Dependent upon the HSP70i ATPase Function (submitted).
2. Setty P, Dokladny K, **Moseley PL**, Bard J, and Lin HE: Legume Lectin Counters Heat Shock Protein 70 to Impair Protein Folding (submitted).

BOOKS/CHAPTERS

1. Hunninghake GW, **Moseley PL**. Immunological Abnormalities of Chronic Non-Infectious Pulmonary Diseases. In: Immunology of the Lung, J Bienenstock (Ed). New York, McGraw Hill, pp. 345-364, 1984.
2. Metzger MJ, Sjoerdsma K, Richerson HB, **Moseley PL**, Zavala D, Monick M, Hunninghake G. Platelets in Bronchoalveolar Lavage from Asthmatic Patients and Allergic Rabbits with Allergen-Induced Late Phase Responses. In: PAF, Platelets, and Asthma, G Menz, CP Page and M Schmitz-Schumann (Eds.), Agents & Actions Supplements, Vol. 21, pp. 151-159, 1987.
3. **Moseley PL**. Drug-Induced Lung Disease. In: Foundations of Respiratory Care, D J Pierson (Ed), Churchill Livingstone, Inc., 1991.
4. **Moseley PL**. Exercise, Heat, and Thermotolerance: Molecular Mechanisms. In: Exercise, Heat, and Thermoregulation, E Nadel (Ed.), Benchmark Press, 1993.
5. **Moseley PL** and Oppenheimer D. JI Frey and B Fornoff (Eds.). Respiratory Care. (Chapter IV) In: Speech Pathology for Tracheostomized and Ventilator Dependent Patients, Voicing, Inc., Newport Beach, CA, pp. 184-256, 1993.
6. **Moseley PL**. Heat Shock Proteins and Endotoxin. In: Exercise and Thermoregulation, J Sutton and R Balnave, (Eds.), Published by Faculty of Health Sciences of the University of Sydney, Australia, pp. 95-103, 1995.
7. **Moseley PL**. Thermal Protection: The Role of Heat Shock Proteins and Epithelial Barrier Integrity. In: Exercise and Thermoregulation, J Sutton and R Balnave, (Eds.), Published by Faculty of Health Sciences of the University of Sydney, Australia, pp. 181-189, 1995.

8. **Moseley PL.** Heat Shock Proteins and Fever. In: Fever: Basic Mechanisms and Management, 2nd edition, P Mackowiak (Ed.), Published by Raven Press. 1996.
9. Roach R, **Moseley PL.** Effects of High Altitude. In: Allergy and Respiratory Disease in Sports Medicine, JM Weiler (Ed.), Published by Raven Press. 1997.
10. **Moseley PL.** Heat Shock Proteins and the Inflammatory Response. (Chapter V) In: Molecular Mechanisms of Fever, M Kluger, T Bartfai and CA Dinarello, (Eds.), Published by Annals of the New York Academy of Sciences, Vol. 856, pp. 206-213, 1998.
11. Iwamoto G, **Moseley PL.** Modulation of Cytokines by the Heat shock Response. In: Renal Cell Carcinoma, D Schnorr, SA Loening, (Eds.), Published by Blackwell Wissenschaft-Verlag, Berlin, Germany, pp. 29-34, 1998.
12. Roigas J, Meyer D, Wallen ES and **Moseley PL.** Cytokines and Renal Carcinoma. The role of HSP72 in tumor cells by activated natural killer cells. In: Renal Cell Carcinoma, D Schnorr, SA Loening, (Eds.), Published by Blackwell Wissenschaft-Verlag, Berlin, Germany, pp. 181-187, 1998.
13. **Moseley PL,** Wallen ES and Roigas J. Heat Shock Protein Vaccines for Tumor Immunotherapy In: Renal Cell Carcinoma, D Schnorr, SA Loening, (Eds.), Published by Blackwell Wissenschaft-Verlag, Berlin, Germany, pp. 188-193, 1998.
14. **Moseley PL.** Exercise and Stress Response: The Role of Stress Proteins. M Locke, EG Noble, (Eds.), Published by CRC Press LLC, Boca Raton, Florida, pp. 179-195, 2002.
15. **Moseley PL** and Amorim FA: Heat Shock Proteins and Inflammation. In AA Asea and BK Pedersen (Eds) Heat Shock Proteins Springer Publishing pp 57-83, 2010.
16. Schneider SS and **Moseley PL:** Chapter 19: The Temperature Regulatory System. In Tipton C (Ed) The Regulation of Body Temperature (2014 in press).

REVIEWS

1. **Moseley PL,** Gisolfi CV. New Frontiers in Thermoregulation and Exercise. (Invited "Lead Article") Sports Medicine 16:163-167, 1993.
2. **Moseley PL.** Molecular Aspects of Thermotolerance and Heat Acclimatization. (Invited Paper) J Lab Clin Med 123:48-53, 1994.
3. **Moseley PL.** Heat Shock Proteins in Human Disease (Invited Commentary). J Lab Clin Med 128:223-224 1996.
4. **Moseley PL.** "Heat Shock Proteins and Heat Adaptation of the Whole Organism. J Appl Physiol 83(5):1413-1417, 1997.
5. **Moseley PL.** Heat Shock Proteins and the Inflammatory Response. Annals of the New York Academy of Sciences 856:206-213, 1998

6. **Moseley PL.** Exercise, stress, and the immune conversation. *Exercise and Sports Scien. Revs.* 28:3, July 2000.
7. **Moseley PL.** Stress Proteins and the Immune Response. *Immunopharmacology* 48 (2000) 299-302.
8. **Moseley PL:** Nitric Oxide and the Stress Response—two 2-Edged Swords Swung Together (commentary). **Exec Sport Sci Rev.** 37(2):57, 2009.
9. Gillum TL, Kuennen MR, Schneider S, **Moseley PL:** A Review of Sex Differences in Human Immune Function after Aerobic Exercise **Exerc Immunol Rev.**17:104-21, 2011.
10. Dokladny K and **Moseley PL:** Autophagy and the Heat Shock Response-the Balance of Exercise Exercise. **Autophagy** (invited review)
11. Deretic V, Kimura T, Timmins G, **Moseley PL,** Chauhan S, Mandell M: Immunological Manifestations of Autophagy. *J Clin Invest* (in press, 2014).

OTHER WRITING

- Moseley PL.** The Hot Weather Athlete: New Findings about Old Myths. *Masters Sports* Vol. 5, No. 8, 1995.
- Moseley PL.** Do You Get a Good Workout in Bad Air? *Masters Sports* Vol. 6, No. 8, 1996.
- Moseley PL.** Course syllabus for Advanced Exercise Physiology Seminar 27:242: Temperature Regulation, University of Iowa, 1995.

INVITED PRESENTATIONS (Selected)

- The Clinical Application of Techniques of Molecular Biology, American College of Chest Physicians Annual Meeting, 1986.
- National Heart, Lung and Blood Institute Centennial Event Research Symposium, 1987.
- “Heat Shock Gene Regulation by Oxidants,” Lung Immunochemical Research Laboratory, University of Birmingham Hospital, Birmingham, England, 1989.
- “Drug Induced Lung Disease,” American Thoracic Society Annual Meeting, May 14 1991.
- “Exercise, Heat and Thermotolerance: Molecular Mechanisms,” Conference on Exercise, Heat and Thermoregulation, Baveno, Italy, June 18-21, 1992.
- “Potential Role of Heat Shock Proteins in Organic Dust Induced Airway Disease,” National Meeting of the NIEHS Centers Board of Directors, November 19-20, 1992.
- “Environment Stress: HSP70 Regulation in Vivo and In Vitro,” The Lovelace Medical Foundation Institute for Basic and Applied Research, Albuquerque, NM, January 31, 1994.

1995-1999

“Application of the Tissue Stress Response,” American College of Sports Medicine Annual Meeting, May 31, 1995.

“Heat Stroke and Endotoxemia: Applied Molecular Mechanisms,” Biennial Conference on the Biochemistry of Exercise, Sydney, Australia, September 25-27, 1995.

“Molecular Biology and Physiology: Building the Bridge,” American College of Sports Medicine Annual Meeting, Cincinnati, OH, May 1996.

“Heat-related Illness,” International Pre-Olympic Scientific Conference, Dallas, TX, July 10-14, 1996.
30th European Conference on Hyperthermia, Berlin, Germany, April 1-5, 1997.

“Occupational Asthma,” Mayo Clinic’s Eighth Annual Pulmonary & Infectious Diseases Seminar, Tucson, AZ, October 4, 1997.

“Heat Stroke,” Mayo Clinic’s Eighth Annual Pulmonary & Infectious Diseases Seminar, Tucson, AZ, October 5, 1997.

“Heat Shock Proteins,” New York Academy of Sciences Conference: Molecular Mechanism of Fever, Santa Fe, NM November 2-4, 1997.

“Heat Shock Proteins and the Immune Response,” Humboldt University, Berlin, Germany, November 14, 1997.

“Heat Shock Proteins and the Immune Response: A New Job for the Stress Family,” Western Association of Physicians, Carmel, CA, February 4, 1998.

ALA Asthma Research Center,” New Mexico Thoracic Society, 26th Annual Lung disease Symposium, Santa Fe, New Mexico, February 1998.

“Heat Shock Proteins, Free Radicals, and Oxidative Stress: Integration of Basic Science with Exercise Stress,” American College of Sports Medicine Annual Meeting, Orlando, FL, June 2-5, 1998.

1998 ALA/ATS International Conference, Chicago, Illinois, April 2-5, 1998.

“Immune Modulation by Heat Shock Proteins,” John B. Pierce Laboratory, Yale University, New Haven, Conn., May 19, 1998.

“Modulation of Cytokines by the Heat Shock Response,” International Charite’ Symposium, Berlin, Germany, October, 1998.

“Heat Shock Protein Vaccines for Tumor Immunotherapy,” International Charite’ Symposium, Berlin, Germany, October 1998.

“Heat Shock Protein and the Immune Response,” Research Institute for Molecular Pathology, Vienna, Austria, October 1998.

“Immune Therapy Strategies in Lung Cancer,” International Conference on Immune Therapy and Lung Cancer, Vienna, Austria, May 3-7, 1999.

“Impact of Aging on HSP70 Accumulation and Thermotolerance with Heat Stress,” American College of Sports Medicine, Annual Meeting, Seattle, WA, June 3-5, 1999.

“Stress Proteins and the Immune Response,” Lovelace Respiratory Research Institute’s International Symposium: Respiratory Immunology. Santa Fe, NM. October 10-13, 1999.

“Exercise Stress, and the Immune Conversation,” University of Colorado at Boulder, CO. December 1-3, 1999.

2000-2005

“Stress Proteins and Physical Exercise,” International Symposium on Training, Overtraining and Regeneration in Sport Ulm, Germany. October 26-28, 2000.

“Heat Shock Protein: Environmental and Exercise Stress,” at the Annual Meeting of the American Society for Biochemistry and Molecular Biology (FASEB), Experimental Biology 2001, in Orlando, FL. April 1, 2001.

Roger Larsen Visiting Professor; University of California, San Francisco, Fresno Regional Medical Center, November 18-19, 2002.

“Pathogenesis Hypotheses of Exertional Heat Injury/Stroke,” American College of Sports Medicine, San Francisco, CA, May 28-31, 2003.

“Heat Shock Proteins: Understanding the Immune/Inflammatory Paradox,” International Symposium on Exercise and Immunology (ISEI) Copenhagen, Denmark, July 17-19, 2003.

Invited Speaker: “Cytokines, Muscle, and Metabolism,” 2004 APS Intersociety Meeting-Integrative Biology of Exercise, Austin, Texas, October 6-9, 2004.

Invited Speaker: “Immune Activation by Heat Shock” IUPS Commission on Thermal Physiology Symposium on Temperature Regulation, Rhodes, Greece, October 10-15, 2004.

2006-2010

Invited Speaker: “Physiological Thermotolerance: Protein Stability and Endotoxin Tolerance, Copenhagen Muscle Research Institute, Copenhagen, Denmark, September 25, 2006.

Invited Speaker, 19th International Puijo Symposium: “Physical Activity, Muscle Metabolism and Chronic Diseases” Kuopio, Finland, June 27-29, 2007.

Invited Speaker: “Heat Shock Proteins and Protection”, American College of Sports Medicine Annual Meeting, Seattle, WA, May 28, 2009.

2010-present

Invited Speaker: “Modulating Inflammation and Adaptation through the Cellular Stress Response,” Program on Aging, Panum Institute, University of Copenhagen, Denmark, March 23, 2011.

Keynote Speaker, American Physiological Society featured symposium in environmental physiology: “Aligning Whole Body Cellular Adaptations to Repeated Heat Stress”, Experimental Biology Annual Meeting, Washington DC, April 12, 2011.

Pennsylvania State University Physiology Colloquium series lecture: “Exercise and Inflammation: The Role of the Stress Proteins,” October 20, 2011.

Noll Lecture, Pennsylvania State University, “The Gut As the Door of Exercise Perception,”

October 21, 2011 Grand Rounds, University of Nebraska Department of Internal Medicine, “Exercise and Myokines: Fitness over Fatness and Why,” November 4, 2011.

Invited Lecture, Center for Biological Sequencing, Danish Technical University, “Heat Shock Proteins and Inflammation: the Virus/Chaperone Connection,” November 17, 2011.

Invited Symposium: Heat Acclimation, Cellular "choices" for adaptation: Does HSF1/HSP system play a master role? International Congress on the Physiology and Pharmacology of Temperature Regulation, Kruger, South Africa, September 6-11, 2014.