CURRICULUM VITAE

**Christopher Todd Minson, Ph.D.**

Endowed Professor of Human Physiology

# **WORK ADDRESS:** University of Oregon

 Department of Human Physiology

 1240 University of Oregon

 Eugene, OR 97403-1240

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**HOME ADDRESS:** 195 Sunshine Acres Dr.

 Eugene, OR 97401

 Phone: (541) 343-8371

**DATE OF BIRTH:** 22 October 1966

 San Jose, Costa Rica

**CITIZENSHIP:** United States of America

**EDUCATION:** Post-Doctoral Fellow (1997-2000)

 Departments of Anesthesiology and Physiology

 Mayo Clinic and Foundation

 Mentor: Dr. Michael J. Joyner

Doctor of Philosophy (August, 1997)

 Department of Exercise Science

 The Pennsylvania State University

 Research Area: Aging/Cardiovascular Control/Thermoregulation

Thesis: “Influence of Age on the Hemodynamic Adjustments to Physiological Stresses”

## Advisor: Dr. W. Larry Kenney

Masters of Arts (June, 1993)

Department of Exercise Science and Nutrition

San Diego State University

Research Area: Exercise Physiology

Thesis: “Loading Effects of Phosphate on 2,3-DPG and Aerobic Capacity”

Advisors: Dr. Anthony A. Sucecn and Michael Buono

Bachelor of Science (May, 1989)

Departments of Psychology and Exercise and Sport Science

University of Arizona: Psychology/Exercise Physiology

**HONORS:**

The Pennsylvania State University College of Health and

### Human Development Graduate Student Research Award 1995

*Foundation Research Grant Award*, American College of 1996

Sports Medicine

Recipient of *National Research Service Award*, National 1998

 Institutes of Health

*Young Investigator Award*, Exercise and Environmental 2000

 Physiology Section of American Physiological Society

*New Investigator Award*, American College of Sports Medicine 2002

Elected to *Fellowship* in the American College of Sports Medicine 2003

Editorial Board for *Journal of Applied Physiology* 2003-Present

Elected President for NW American College of Sports Medicine 2004

*New Investigator Award*, Exercise and Environmental Physiology 2005

 American Physiological Society

Editorial Board for *Medicine and Science in Sports and Exercise* 2005-Present

Elected to serve on the University Senate 2005-2007

Faculty Excellent Award, University of Oregon 2007

Distinguished Alumni Award, College of Health and Human 2007

 Development; The Pennsylvania State University

Paper Selected for “Faculty of Science 1000; Biology” 2008

“Star Reviewer” for *Journal of Applied Physiology*  2008

Excellence in Clinical Research Award; Sacred Heart Medical 2008

 Center, Eugene, OR
 Elected to Exercise and Environmental Physiology Steering 2010-2013

 Committee, American Physiological Society

 Mentor Award, Medical Research Foundation of Oregon 2012

 Ken and Kenda Singer Endowed Professorship 2014

**ACADEMIC/INSTRUCTIONAL POSITIONS:**

 Undergraduate Teaching Assistant 1988-1989

University of Arizona, Department of Psychology

 Graduate Teaching Assistant 1991-1992

 San Diego State University, Department of Exercise Science

Research Assistant 1991-1993

 Naval Health Research Center, San Diego, CA

 Instructor, Adjunct Faculty 1993

 San Diego State University, Department of Exercise Science

 Graduate Teaching and Research Assistant 1993-1997

 The Pennsylvania State University, Department of Kinesiology

 Research Fellow 1997-2000

Mayo Clinic, Departments of Anesthesiology and Physiology

Assistant Consultant

Mayo Clinic, Department of Anesthesia Research 2000

Assistant Professor 2000-2005

University of Oregon; Department of Human Physiology

Associate Professor (with tenure) 2005-2011

University of Oregon

Department of Human Physiology

Visiting Professor 2007-2008

Research Institute for Sport and Exercise Science

John Moores University (Liverpool, England)

Department Head 2008-Present

University of Oregon

Department of Human Physiology

Professor 2011

University of Oregon

Department of Human Physiology

**MEMBERSHIPS:**

 American Physiological Society

 American Heart Association

 American College of Sports Medicine

 Association of the Chairs of Departments of Physiology

 Wilderness Medical Society

**INTRAMURAL/EXTRAMURAL ACTIVITIES:**

 Organized and presented a joint symposium for the Departments Oct. 1999

 of Dermatology and Vascular Surgery of the Mayo Clinic

 Organized a retreat for physicians and scientists interested in Nov. 1999

 neuropathic pain at the Mayo Clinic.

 Department reviewer for Human Subjects Committee, Department 2000-2007

 of Human Physiology, University of Oregon.

 Chair of Physiology Position Search Committee, Department 2001-2002

 of Exercise and Movement Science, University of Oregon.

 Board of Directors Member for the International Institute for Sport 2000-2006

 and Human Performance.

 Instructor for Exercise Specialist certification through ACSM 2002-2004

 Vice Present of Board of Directors for the International Institute 2003-2006

 for Sport and Human Performance.

 Scientific Reviewer for Northwest ACSM Graduate Student 2003-2005

 Research Competition

 Committee for Graduate Program Curriculum Reform 2003

 Serve on Research Awards Committee-National ACSM 2003-2006

 Serve as a consult to Proctor and Gample’s New Initiative Program 2003-2006

 President of Northwest Chapter of Am. Coll. of Sports Med. 2004-2007

 Member of the University of Oregon Senate 2005-2007

Member of Oregon Heart and Vascular Institute 2005-Present

 ACSM Writing Group Member for “Exercise and Physical 2006-2009

 Activity for Older Adults”

External Reviewer for ACSM Position Stand on “Heat & Cold 2007

Illnesses During Distance Running”

Radiation Safety Committee Member 2006-2008

Search Committee for Assistant VP of Research 2006-2007

Services Administration

Department Head, Human Physiology, University of Oregon 2008-Present

Councilor/Steering Committee Member for Thermal Physiology 2010-2013

 EEP Section of the American Physiological Society

Science Council, University of Oregon 2011-2013

Dean’s Advisory Group, College of Arts and Sciences, 2011-2012

 University of Oregon

National Institutes of Health, Clinical and Integrative 2011-2015

Cardiovascular Science Study Section (Regular member)

Review Committee for the Center for Teaching and Learning, 2012

 College of Education, University of Oregon

Leadership Circle for Heads and Directors on Equity, Inclusion 2014

and Diversity

**JOURNAL REVIEWER:**

 Journal of Applied Physiology (Serve on *Editorial Board*)

 Medicine and Science in Sports and Exercise (Serve on *Editorial Board*)

 Journal of Physiology

 Microcirculation

 American Journal of Physiology (Heart and Circulatory Physiology)

 American Journal of Physiology (Regulatory, Integrative, Comparative)

 Circulation

 Journal of Clinical Endocrinology and Metabolism

 Canadian Journal of Applied Physiology

 Research Quarterly for Exercise and Sport

 Microvascular Research

 British Journal of Sports Medicine

 Journal of Cardiovascular Pharmacology

 Contraception

 Fertility and Sterility

 Comprehensive Physiology

**GRANT REVIEWER:**

American Philosophical Society, Franklin Research Grants

Murdock Charitable Trust, Murdock College Research Program for Life Sciences

United States Army Research Institute of Environmental Medicine (Internal)

National Institutes of Health; Clinical and Integrative Cardiovascular Sciences Study Section (*ad-hoc* member, 2007)

National Institutes of Health, Clinical and Integrative Cardiovascular Science Study Section (Challenge Grants/American Recovery Act; 2009-2010)

National Institutes of Health, Clinical Cardiovascular Special Emphasis Panel (ZRG1 CVRS-L (02); January, 2010)

National Institutes of Health, Clinical and Integrative Cardiovascular Science Study Section (*ad-hoc* member, October, 2010)

National Institutes of Health, Clinical and Integrative Cardiovascular Science Study Section (Regular member, October, 2011-2015)

**RESEARCH INTERESTS:**

My research has focused on integrative cardiovascular physiology in humans.

Specific areas of interest include:

* + Role of sex steroids on vascular function and autonomic regulation
	+ Mechanisms of skin blood flow and temperature regulation in humans.
	+ Benefits of heat acclimation on exercise performance and cardiovascular regulation and health

**CURRENT RESEARCH SUPPORT:**

**National Institutes of Health**

NIH R01 HL115027 Halliwill (PI) 6/5/2013-6/4/2017

Exercise, Histamine, and Vascular Function in Aging

Total direct costs: $1,307,343

The long-term goal of this proposal is to understand the link between exercise, histamine receptors, and alterations in endothelial and vascular function so that we can exploit this link to generate novel interventions to improve or maintain vascular health in aging and treat patients with peripheral artery disease.

Role: Co-I (1.0 summer month for 2014)

**Research, Innovation and Graduate Education (UO Internal)**

Incubating Interdisciplinary Initiatives (I3) Award

Title: “TrackTown USA Learning and Healthy Outcomes Curriculum”

Periood: 09/16/2014-09/15/2015

Costs: $50,000 pilot program

**American Heart Association**

(Pre-doctoral Fellowship for Brunt, VE)

Project Title: “Chronic Heat Therapy for Improving Vascular Function in Able-Bodied Individuals and Spinal Cord Injury Patients”

Dates of Award: 6/1/2014 – 5/31/2016

Role: PI Mentor

Project Goals: To investigate the role of chronic heat exposure in spinal cord and able bodied subjects on measures of cardiovascular health.

**PENDING RESEARCH SUPPORT:**

**Department of Defense**

Defense Health Program-Clinical Trial Award

Title: “Cardiometabolic and Endothelial Function in Spinal Cord Injured Patient with Chronic Heat Stress”

Period: 04/01/2015-3/31/2019

Direct Costs: $1,800,000; Total: $2,300,000

**Medical Research Foundation**

Interim Funds (Principle Investigator)

Title: “Sympathetic Overactivity and Vascular Dysfunction in Obesity and the Polycystic Ovary Syndrome”

Period: 01/01/2014-12/31/2015

Direct Costs: $40,000

**NIH/NHLBI**

R01 HL81671 (Principle Investigator)

Title: “Hyper adrenergic status, autonomic function, and vascular health in women”

Period: 06/01/15-05/31/2020 (Comp Renewal; to be submitted 12/2015)

Direct Costs: $1,700,000, Total = $2,521,719

The goals of these studies are to investigate how androgens alter indices of vascular health and autonomic-vascular regulation in young, reproductive-age women.

**COMPLETED RESEARCH SUPPORT:**

**NIH/NHLBI**

R01 HL81671 (Principle Investigator)

Title: “Progesterone and Vascular Function in Women”

Period: 02/01/08-06/3/2013

Direct Costs: $900,000, Total = $1,321,719

The goals of these studies are to investigate how progestogens alter indices of vascular health and autonomic-vascular regulation in young, reproductive-age women.

**National Science Foundation**

Title: Collaborative Research: “Neuroimaging and hormonal analyses of gender and interindividual differences in competitive choices”

 Principle Investigator: Ulrich Mayer, PhD (Role: Co-Investigator)

 Direct Costs: $245,000

**American Heart Association**

(Pre-doctoral Fellowship for Miner, JA)

Project Number: 12PRE8910017

Project Title: “Sex Steroids and Autonomic-Vascular Function in Polycystic Ovary Syndrome”

Dates of Award: 1/1/2012 – 12/31/2013

Role: PI Mentor

Project Goals: To investigate the role of estrogen on biomarkers of vascular health and autonomic control of blood pressure in obese young women with polycystic ovary syndrome.

**DURIP (GRANT10963964) Lovering (PI) 8/10/2012-8/9/2013**

Department of Defense/Office of Naval Research

Title: “Integrative Physiology Research at the University of Oregon: Advanced Ultrasound Equipment Funds”

Total direct costs: $240,534

Role: Co-Investigator (Lovering PI)

**Columbia Sportswear, Inc.**

Title: “Performance Testing of Omni-Freeze Zero”

Dates of Award: 7/01/2012-3/31/2013

Role: PI

 Fixed Price Contract: $125,000

**DURIP 59272-LS-RIP**

Department of Defense/Department of the Army

Title: “Assessment of Blood Flow and Perfusion during Challenges to Homeostasis in Humans”

Total direct costs: $158,400 (Halliwill PI)

**SBIR/DOD**

Subcontract Agreement with Physical Optics Corporation

Title: “Evaluation of a Heated Arm Sleeve on Finger Dexterity in Cold Environments”

Period: 09/2010-08/2011

Fixed Price Contract: $52,500

The goal of this project is to determine the ideal temperature of a heated arm sleeve for improving finger dexterity in cold environments (from 0°C to -15°C).

**NIH/NHLBI**

R01 HL70928 (Principle Investigator)

Title: “Mechanisms of Cutaneous Vasodilation in Humans”

Period: 7/01/02-6/30/08

Direct Costs: $700,000; Total = $994,815

**Interagency agreement #137275**  (Halliwill PI)

Oregon State University and University of Oregon

10/16/2007-1/31/2008

“Exercise and Environmental Physiology Product Testing (US Army Helmets)”

The goal of this study is to evaluate the thermoregulatory changes with exercising in a hot environment utilizing a new ballistic helmet design.

Direct Costs: $25,000

**Medical Research Foundation of Oregon** (Principle Investigator)

Title: Progesterone and Vascular Regulation in Young Women

 Period: 11/01/2005-10/31/2007

 Direct Costs: $30,000

**AHA Northwest Affiliate**

AHA 0265260Z Beginning Grant-in-aid (Principle Investigator)

Title: “Blood Pressure and Vascular Regulation in Women”

Period: 7/01/02-6/31/05

Direct Costs: $80,000

**Defense University Research Instrumentation Program** $248,925

(Co-Principle Investigator with John R. Halliwill, Ph.D.)

The goal of this application is to obtain funding to build an environmental chamber for performing integrative cardiovascular studies on humans.

**R01 AG07004-11 (Kenney, W.L.)** 9/16/00-3/15/03

NIH/NIA Consortium (UO Component): $167,000

Principle Investigator: W.L. Kenney, Ph.D.-The Pennsylvania State University)

“Age and Control of Human Skin Blood Flow”

**NRSA NHLBI 10123** (Principle Investigator: Minson) 9/01/98-8/31/00

NIH/NHLBI

(Post-Doctoral Advisor: Michael J. Joyner, M.D., Mayo Clinic and Foundation)

“The Menstrual Cycle and Blood Pressure Regulation in Young Women”

Consultant to:

**NIH/NHLBI R01** (Stewart, J.M.) 7/01/2008-6/30/2012

Title: “Vascular Dysfunction in Chronic Fatigue Syndrome”.

New York Medical College, New York, N.Y.

The goal of this study is to investigate the vascular disruptions that are present in patients with Chronic Fatigue Syndrome and to develop tests that would improve treatment evaluation.

**NIH/NIMH R01**

Title: “Targeted Obesity Prevention Program in Adolescent Women”

Principle Investigator: Eric Stice, Ph.D., Oregon Research Institute, Eugene, OR

Period: 2/01/2007-1/31/2013

Consultant

**RESEARCH TRAINEES:**

Ann Reed Medical Student 1998-1999

Shurea Wilson Visiting Medical Student 1997-1998

Latoya Berry Undergraduate Research Fellow 1998,1999 (Summers)

Sara Hagar Undergraduate Research Fellow 1998,1999 (Summers)

Cara Weisbrod Undergraduate Student 1998,1999 (Summers)

Patrick Mailloux Visiting Medical Student 1998

Tamica Young Research Associate 1998-2000

Klaus Torp, M.D. Medical Resident 1999 (6 months)

Lacy Alexander Master’s Student 2000-2003

Brett Wong Doctoral Student 2000-2006

Brad Wilkins Doctoral Student 2000-2004

Adam Bergquist Undergraduate Student 2000-2002

Sean McCulley Undergraduate Student 2000-2002

Belinda Houghton Undergraduate-Honors College 2000-2001

Mark Rothgary Undergraduate Student 2001-2002

Linda Chung Undergraduate Student 2002-2003

Jessica Gee Meendering Master’s/Doctoral Student 2002-2007

Mika Beckstead Doctoral Student 2002-2003

Britta Torgrimson Doctoral Student 2003-2007

Gregg McCord Doctoral Student 2003-2007

Belinda Houghton Masters Student 2001-2003

Katie Speulda Undergraduate Student 2003-2004

Jonah Lee Undergraduate Student 2003-2004

Margaret Cooper Master’s Student 2003-2005

Michael Raye High School Student 2004-2005

Mark Reinke Undergraduate Student 2004-2005

Sarah Mollet-Williams Undergraduate Student 2004-2005

Nicole Miller Undergrad/Masters Student 2004-2005

Santiago Lorenzo Doctoral Student 2004-2010

Nicole Miller Masters Student 2005-2007

Jean-Luc Cracowski Visiting Fellow 2005-2006

Sarah Williams Undergraduate Student 2007-2008

Sarah Luther Undergraduate Student 2007-2008

Tarumi Takashi Undergraduate Student 2007-2008

Jennifer Miner Masters/Doctoral Student 2007-2012

Justin Diegel Undergraduate Student 2007-2008

Michael Smith Masters Student 2008-2010

MacKenzie Madison Masters Student 2008-2010

Vienna Brunt Doctoral Student 2009-Present

Danielle Miller Undergraduate Student 2008-2009

Allison Foxx Undergraduate Student 2008-2009

Sarah Huelskamp Undergraduate-Honors College 2008-2009

Krista Jensen Undergraduate-Honors Student 2008-2010

Cory Miner Masters Student 2010-Present

Tom Stocklin-Enright Undergraduate Student 2010-2011

Alvaro Andres Garay Romero High School Student 2010-2011

Naoto Fujii Post-Doctoral Fellow 2011-2013

Brenda Olmos Undergraduate Honors Student 2012-2013

Michael Francisco Undergraduate Student 2012-2013

Patricia Choi Undergraduate Research Fellow 2012-2014

Erin Madison Undergraduate Honors Student 2012-Present

Brett Ely Doctoral Student 2012-Present

Michael Francisco Doctoral Student 2013-Present

Elizabeth Pankow Undergraduate Student 2013-Present

Alex Chapman Undergraduate Student 2013-Present

Stefanee Sakasci Undergraduate Student 2013-Present

Alex Woldt Undergraduate Student 2013-Present

Matt Howard Undergraduate Student 2014-Present

**HONORS AND AWARDS BY STUDENTS, TRAINEES, AND LAB PERSONNEL:**

2001 Doctoral Student Brad Wilkins: Evonuk Doctoral Research Scholarship

2001 Doctoral Student Brad Wilkins: Steven L. Wasby Award

2002 Undergraduate Student Belinda Houghton awarded “Honors with Distinction”

2002 Doctoral Student Brad Wilkins: Broekoff Scholarship

2002 Doctoral Student Brad Wilkins: Recognition Award, American Physiological Society

2002 Master’s Student Belinda Houghton: Target of Opportunity Laureate Award

2002 Doctoral Student Brad Wilkins: Foundation Research Award from the American College of Sports Medicine

2003 Master’s Student Brett Wong: Jan Broekoff Scholarship

2004 Doctoral Student Britta Torgrimson: “Best Doctoral Student Slide Presentation” at the Northwest Chapter of the American College of Sports Medicine

2004 Doctoral Student Brett Wong:“Best Doctoral Student Slide Presentation” at Northwest Chapter of the American College of Sports Medicine

2004 Doctoral Student Jessica Meendering: “Best Poster Presentation” at NWACSM.

2004 Doctoral Student Brett Wong was awarded the Broekoff Scholarship

2004 Doctoral Student Britta Torgrimson: University of Oregon Risa Palm Graduate Fellowship

2004 Doctoral Student Brett Wong: National Student Research Award of the American College of Sports Medicine (sole recipient)

2005 Doctoral Student Jessica Meendering: College of Arts and Sciences

 Everett del Monte Scholarship

2005 Doctoral Student Britta Torgrimson: University of Oregon Jan Broekoff

 Scholarship.

2005 Doctoral Student Britta Torgrimson: Foundation Research Grant by the American College of Sports Medicine.

2005 Undergraduate Student Sarah Williamson presented a poster to the Undergraduate Research Competition and won one of three awards given for best posters.

2005 Doctoral Student Brett Wong: Evonuk Memorial Research Grant

2005 Undergraduate Nicole Miller: Undergraduate Research Fellowship

2006 Doctoral Student Britta Torgrimson: University of Oregon Risa Palm Graduate Fellowship

2006 Doctoral Student Jessica Meendering: UO Henry V. Howe Scholarship.

2006 Master’s student Santiago Lorenzo: UO Risa Palm Graduate Fellowship

2006 Doctoral Student Britta Torgrimson: UO Charles A. Reed Fellowship

2006 Doctoral Student Jessica Meendering was awarded a research grant from the Center for the Study of Women in Society.

2006 Doctoral Student Jessica Meendering was awarded the Department of Human Physiology Jan Broekoff Graduate Scholarship.

2006 Doctoral Student Jessica Meendering: Eugene Evonuk Memorial Grant

2006 Doctoral Student Jessica Meendering: UO General Scholarship

2006 Doctoral Student Jessica Meendering was awarded the Northwest Health Foundation Student Research Grant

2006 Master’s Student Santiago Lorenzo: Outstanding Community Leader Award from the International Student Association

2006 Doctoral Student Jessica Meendering: American College of Sports Medicine Foundation Grant

2006 Doctoral Student Britta Torgrimson: Northwest Health Foundation Student Research Grant

2007 Doctoral Student Britta Torgrimson-The Marthe Smith Scholarship

2007 Doctoral Student Britta Torgrimson: Clarence and Lucille Dunbar Scholarship, University of Oregon College of Arts & Science

2007 Doctoral Student Britta Torgrimson: Eugene and Clarissa Evonuk Graduate Research Fellowship in Environmental or Stress Physiology

2007 Doctoral Student Britta Torgrimson awarded a Graduate Student Research Support Grant, Center for the Study of Women in Society

2007 Doctoral Student Britta Torgrimson was a Nomineefor the Gary Stewart Scholarship for Research in Public Health, Association of Reproductive Health Professionals

2007 Doctoral Student Britta Torgrimson was awarded the Jan Broekhoff Graduate Scholarship, Department of Human Physiology

2007 Clinical Collaborator Paul Kaplan, MD won the Outstanding Research Presentation (in Basic Science) at the American Society of Reproductive Endocrinologists for research done by my laboratory

2008 Doctoral Student Mark Black at Liverpool John Moores University won an International Scholars Award from the American College of Sports Medicine to receive training in my laboratory

2008 Doctoral Student Santiago Lorenzo: Clarence and Lucille Dunbar Scholarship from the College of Arts and Sciences, University of Oregon

2009 Doctoral Student Santiago Lorenzo: Minority Travel Award-American Physiological Society

2009 Doctoral Santiago Lorenzo: Eugene and Clarissa Evonuk Graduate Research Fellowship in Environmental or Stress Physiology, University of Oregon

2010 Doctoral Student Jenni Miner: Jan Broekoff Scholarship; Department of Human Physiology, University of Oregon

2010 Clinical Collaborator Paul Kaplan, MD: Practicing Physician Award at the Pacific Coast Reproductive Society for research in my laboratory

2012 Undergraduate Research Fellowship, University of Oregon was awarded to Patricia Choi for work in lab entitled “Novel protocols for evaluating microvascular function in the human cutaneous circulation”

2012 Honor’s College Research Award, awarded to Erin Madison for work in my lab entitled “Three tests of endothelial function to assess menstrual cycle variability in blood vessel function”

2013 Doctoral Student Jenni Miner was a recipient of the tum Suden/Hellebrandt Award from the American Physiological Society

2013 Undergraduate student Michael Francisco: David S. Bruce Outstanding Undergraduate Abstract Award from the American Physiological Society

2013 Doctoral Student Vienna Brunt was awarded the 2013-2014 Miller Family Graduate Award in Technology & Science

2014 Doctoral Student Vienna Brunt was announced as the Graduate Research Fellowship Recipient for 2014-2015 academic year (full tuition and salary support)

**MASTER’S AND DOCTORAL STUDENT COMMITTEES:**

Jamaal Ryan Master’s Comprehensive Exam Comm. 2002

Stuart Nurre Master’s Comprehensive Exam Comm. 2002

Dan Schoffer Masters Project Committee-Chair 2002

Jennifer Hess Doctoral Thesis Committee 2003

Brad Wilkins Doctoral Thesis Committee- Chair 2003

Lacy Holowatz Master’s Thesis Committee- Chair 2004

Brett Wong Master’s Thesis Committee 2004

Belinda Houghton Master’s Thesis Committee 2004

Jessica Meendering Master’s Thesis Committee 2004

Jenny Lockwood Master’s Thesis Committee 2004

Molly Pritcher Master’s Thesis Committee 2004

Jay Williams Master’s Thesis Committee 2004

Brett Wong Doctoral Thesis Committee- Chair 2005

Gregg McCord Master’s Thesis Committee- Chair 2005

Jessica Meendering Comprehensive Exam Committee-Chair 2005

Jennifer Hess Doctoral Thesis Committee 2006

Tim Vanderveld Doctoral Thesis Committee 2006

Tony Drew Doctoral Thesis Committee 2006

Jenni Lockwood Doctoral Comp Exam and Thesis Comm. 2006-Present

Jessica Meendering Doctoral Dissertation Committee- Chair 2006-Present

Santiago Lorenzo Master’s Thesis Committee- Chair 2006-Present

Britta Torgrimson Comprehensive Exam Committee-Chair 2006

Santiago Lorenzo Comprehensive Exam Committee-Chair 2006

Tom Pellinger Doctoral Comps Exam and Disser. Comm 2006-2008

Brenna Lynn Doctoral Comps Exam and Disser. Comm 2006-2008

Britta Torgrimson Doctoral Dissertation Committee- Chair 2006-2007

Stacey Sims Doctoral Thesis International External 2006

 Reviewer; University of Otago, NZ

Grant Simmons Comprehensive and Dissertation Comm 2006-2008

Santiago Lorenzo Doctoral Dissertation Committee-Chair 2008-2010

Jenni Miner Master’s Thesis Committee-Chair 2008-2010

David Wozniak Doctoral Dissertation Committee (Economics) 2008-2011

Jeff Engle Doctoral Dissertation Committee (Chemistry) 2009-2013

Vienna Brunt Master’s Thesis Committee-Chair 2010-2011

Steve Laurie Doctoral Dissertation Committee 2010-2012

Jon Elliott Comprehensive Exam Committee 2011-Present

Steve Romero Doctoral Dissertation Committee 2011-Present

Conerd Frederickson Doctoral Dissertation Committee (Chemistry) 2013-Present

Christopher Banek Doctoral Dissertation Committee-Chair 2013-Present

Matt Ely Comprehensive Exam Committee 2014

**POSITIONS OF GRADUATE RESEARCH TRAINEES AFTER GRADUATION:**

Christopher Banek Post-Doctoral Fellow, University of Minnesota

Santiago Lorenzo Post-Doctoral Fellow, Research Institute for Exercise/Envir Med.

 (Currently Associate Professor at Ohio University, Braderton)

Jessica Meendering Assistant Professor, University of Nebraska, Omaha

 (Current: Associate Professor, South Dakota State University)

Britta Torgrimson Post-Doctoral Fellow at Oregon Health Sciences University

Brett Wong Assistant Professor, Kansas State University

 (Current: Associate Professor, Georgia State University)

Lacy Holowatz Assistant Professor, The Pennsylvania State University

Brad Wilkins Post-doctoral Fellow, Mayo Clinic and Foundation

 (Current: Senior Scientist: Nike Performance Research Labs)

Belinda Houghton Post-Doctoral Fellow, Oregon Health Sciences University

Linda Chung Doctoral Student at University of Massachusetts

Jonah Lee Doctoral Student at Ball State University

Adam Bergquist Doctoral Student at University of Colorado

Nicole Miller Nursing Student at University of Missouri

Maggie Cooper Research Coordinator at Oregon Health Sciences University

Gregg McCord Medical Student at The Pennsylvania State University

 (Current: Resident, OHSU)

**Michael Smith Assistant Professor; California State University, Chico**

**NATIONAL/INTERNATIONAL MEETINGS AND INVITED PRESENTATIONS:**

Federation of American Societies for Experimental Biology, Washington, D.C. 1996. Age, fitness, and regional blood flow during exercise in the heat. Poster presentation.

Federation of American Societies for Experimental Biology, New Orleans, LA 1997. Age alters the central cardiovascular response to passive heating. Slide presentation.

Mayo Clinic, Rochester MN, 1997. Influence of age on the hemodynamic adjustments to physiological stresses. Invited slide presentation.

Vanderbilt University, Nashville, TN, 1997. Influence of age on the hemodynamic adjustments to physiological stresses. Invited slide presentation.

American College of Sports Medicine, Orlando, FL, 1998. Reduced leg vasodilation during exercise in fit older men: potential mechanisms. Poster presentation.

American College of Sports Medicine, Orlando, FL, 1998. Age and skin temperature influence the hemodynamic response to tilting. Poster presentation.

Federation of American Societies for Experimental Biology, San Francisco, 1998. Sweat gland function and vasodilation during body heating in humans. Slide presentation.

Experimental Biology, Washington, D.C., 1999. Baroreflex sensitivity and vascular transduction during the menstrual cycle in young women. Slide presentation.

Dermatology and Vascular Surgery Joint Symposium, Mayo Clinic, Rochester, MN, 1999. Innovative Tools for Clinical Research in Neurovascular Physiology. Invited slide presentation.

American Autonomic Society International Meeting, Kohala Coast, Hawaii, 1999. The menstrual cycle and oral contraceptives alter baroreflex sensitivity. Slide presentation.

Experimental Biology, San Diego, CA 2000. Role of nitric oxide and cutaneous nerves in the initial response to local heating of the skin in humans. Poster presentation.

American College of Sports Medicine, St. Louis, MO, 2002. Mechanisms of age-related changes in the skin blood flow response to local heating. Slide presentation.

International Hypoxia Symposium, Banff, Alberta, Canada, 2003. Hypoxia, skin blood flow, and temperature regulation. Invited Speaker.

American College of Sports Medicine, San Francisco, CA, 2003. Mechanisms and Interactions of nitric oxide in the skin. Invited Speaker.

American College of Sports Medicine, San Francisco, CA, 2003. Age and control of skin blood flow during exercise. Invited Speaker.

American College of Sports Medicine, Northwest Region, Moscow, ID, 2005. Limitations to VO2max. Invited Speaker.

The Pennsylvania State University, Departments of Physiology and Kinesiology Seminar Series, 2006. Invited Speaker and Outstanding Alumni Award

International Thermal Physiology Meeting, Phoenix, AZ, 2006. Mechanisms of cutaneous active vasodilation in humans. Invited Speaker.

Kobe University (December 8, 2006). Regulation of Cutaneous Vascular Function in Humans. Invited Speaker

Kobe University (December 9, 2006). Cardiovascular Regulation in Humans. Invited Speaker

University of Tsukuba, Japan (December 12, 2006). Mechanisms of Cutaneous Active Vasodilation in Humans. Invited Speaker.

Japan Women’s University of Physical Education (December 15, 2006). Mechanisms of Cutaneous Active Vasodilaiton in Humans. Invited Speaker.

The Pennsylvania State University (September 27, 2007). Exercise and Heat Stress in Humans. Invited Speaker.

University of Cork, Departments of Physiology and Medicine, Cork, Ireland, Seminar Series, November 15, 2007. Sex Steroids and Vascular Health. Invited Speaker

John Moores University, Liverpool, England, Department of Exercise and Health Science, January 2008. Faculty Seminar Series. Invited Speaker.

Grenoble University/Medical School, Departments of Pharmacology and Medicine, Grenoble, France, February 2008. Invited Speaker.

Yale University and Medical School, John B. Pierce Laboratory. New Haven, CT;

Mechanisms of Cutaneous Active Vasodilation in Humans; November 2008; Invited Speaker.

Oregon Health and Science University, Department of Physiology and Pharmacology, Portland, OR; Mechanisms of Cutaneous Active Vasodilaiton in Humans. February 2009; Invited Speaker

University of North Texas Health Sciences Center, Department of Integrative Physiology, Fort Worth, TX; Mechanisms of Cutaneous Active Vasodilaiton in Humans. April 2009; Invited Speaker

University of Texas, San Antonio. Department of Kinesiology. Exercise and Heat Acclimation: Implications for Performance. Invited Speaker for the Texas ACSM Speaker’s Tour; November 2010.

University of Texas Health Sciences Center, San Antonio. Department of Physiology. Mechanisms of Cutaneous Vasodilation: Novel Insights or Rampant Speculation? Invited Speaker for the Texas ACSM Speaker’s Tour; November 2010.

Texas A&M University, College Station, TX. Department of Exercise Science. Hormone Therapy and Neurovascular Function in Young Women. Invited Speaker for the Texas ACSM Speaker’s Tour; November 2010.

University of Texas, Austin, TX. Department of Exercise Science. Hormone Therapy and Neurovascular Function in Young Women. Invited Speaker for the Texas ACSM Speaker’s Tour; November 2010.

Institute for Exercise and Environmental Medicine; University of Texas Southwest Medical School. Hormone Therapy and Neurovascular Function in Young Women. Invited Speaker for the Texas ACSM peaker’s Tour; November 2010.

Japanese Physiological Society: Co-Benefits of Global Warming; Mechanisms of Heat Acclimation and Implications for Performance; January, 2011; Invited Speaker (Kobe University).

Invited Speaker to University of Tsukuba; Mechanisms of Heat Acclimation and Implications for Performance; January, 2011.

Invited Speaker to the Organization for the Study of Sex Differences Annual Meeting in June, 2011 (Oklahoma City, OK); Role of Gender and Sex Hormones on Sympathetic Outflow.

Invited Speaker to the 2011 APS Conference: Physiology of Cardiovascular Disease: Gender Disparities; Sex Hormones and Endothelial Function. University of Mississippi Medical Center in Jackson, Mississippi; July 2011.

Chair and Invited Speaker to 2012 Experimental Biology Meeting: Thermal Physiology: Basic Mechanisms to Clinical Applications: San Diego, CA; April 2011

Invited Speaker: “Maximizing Athletic Performance and Safety During Exercise in the Heat: Role of Heat Acclimation”. Northeast ACSM, Providence, RI; November 2012

Invited Speaker: “Maximizing Performance with Heat Acclimation”. Richmond Tigers Football Club, Melbourne, Australia; December 2012.

Invited Speaker: “Sex Steroids and Autonomic-Vascular Balance in Humans”. University of Missouri School of Medicine; Department of Medical Pharmacology and Physiology, Columbia, Missouri; April 2013.

Invited Speaker: “Sex Steroids, Sympathetic Activity, and Endothelial Function in the Polycystic Ovary Syndrome; Cardiovascular Grand Rounds; West Virginia University Department of Physiology and Pharmacology and the Center for Cardiovascular and Respiratory Sciences; Morgantown, West Virginia, June 2013.

Invited Speaker: “Julie Betschart Visiting Speaker: Sex Steroids and Autonomic-Vascular Control in Humans”. West Virginia University Department of Physiology and Pharmacology; Morgantown, West Virginia, June 2013.

Invited Speaker: “Environmental Factors and Performance in Track and Field”. IAAF World Junior Championships Medical Conference; Eugene, OR. Planned for July, 2014.

Invited Speaker: “Peripheral Cellular and Systemic Adaptations to Chronic Heat Exposure”. Physiology and Pharmacology of Temperature Regulation Meeting, Kruger National Park, South Africa. Planned for September, 2014.

**TEACHING EXPERIENCE:**

1. Ski Instructor (1987-1989)

Mt. Lemmon Ski Valley, Arizona

1. Head Swim Instructor (Summers 1985-1989)

Prescott YMCA, Prescott, AZ

1. Teaching Assistant (1988 – 1989)

Department of Psychology, University of Arizona

1. Master’s Swim Coach (1990-1993)

The Plunge, San Diego, California

1. Teaching Assistant (1991-1992)

Exercise Physiology Laboratory

Department of Exercise Science and Nutrition, San Diego State University

1. Teaching Assistant (1991-1992)

Instructor for Activity Courses

Department of Exercise Science and Nutrition, San Diego State University

1. Instructor (1993)

 Exercise Physiology Laboratory Course

Department of Exercise Science and Nutrition, San Diego State University

1. Teaching Assistant (1993-1994)

Case Studies-Cardiac Rehabilitation and Exercise Prescription

Department of Kinesiology, The Pennsylvania State University

1. Teaching Assistant (1994-1995)

Exercise Physiology

Department of Kinesiology, The Pennsylvania State University

1. Instructor (1995-1997)

Case Studies-Cardiac Rehabilition and Exercise Prescription

Department of Kinesiology, The Pennsylvania State University

1. Co-Instructor (1997-1999)

Integrative Physiology Course

Mayo Graduate School

12. Instructor (2000-2002; Co-Instructor 2002-Present)

 Exercise Physiology Seminar (HPHY 607)

 Department of Human Physiology, University of Oregon

13. Instructor (2000-2008)

 Human Physiology II (HPHY 314)

 Department of Human Physiology, University of Oregon

14. Instructor (2001-Present);

 Graduate Human Cardiovascular Control (HPHY 676)

 Department of Human Physiology, University of Oregon

15. Instructor (2001-2008)

 Graduate/Undergraduate Environmental Physiology (HPHY 470/570)

 Department of Human Physiology, University of Oregon

16. Co-Instructor (2004-2007)

 Exercise and Performance (HPHY 103)

 Department of Human Physiology, University of Oregon

17. Coordinator/Instructor (2005-2011)

 Integrative Endocrine Physiology (HPHY 418)

 Department of Human Physiology, University of Oregon

18. Coordinator for Special Problems HPHY 607

 Medical Missions to Central America

19. Co-Instructor (2012-Present)

 Systems Physiology II (HPHY 622)

 Department of Human Physiology, University of Oregon

**Publications (Peer reviewed ORIGINAL research):**

1. Bennett, B.L., R.D. Hagan, K.A. Huey, **C. Minson**, and D. Cain. Comparison of two cool vests on heat-strain reduction while wearing a firefighting ensemble. *Eur. J. Appl. Physiol. Occup. Physiol.* 70(4): 322-8, 1995 (PMID:7649143).
2. **Minson, C.T.** and W.L. Kenney. Age and cardiac output during cycle exercise in thermoneutral and warm environments. *Med. Sci. Sports Exer.* 29(1): 75-81, 1997 (PMID: 9000158).
3. Ho, C.W., J.L. Beard, P.A. Farrell, **C.T. Minson**, and W.L. Kenney. Age, fitness, and regional blood flow during exercise in the heat. *J. Appl. Physiol.* 82(4): 1126-1135, 1997 (PMID: 9104849).
4. **Minson, C.T.,** S.L. Wladkowski, A.F. Cardell, J.A. Pawelczyk, and W.L. Kenney. Age alters the cardiovascular response to direct passive heating. *J. Appl. Physiol.* 84(4): 1323-1332, 1998 (PMID: 9516200).
5. **Minson, C.T.**, S.L. Wladkowski, J.A. Pawelczyk, and W.L. Kenney. Age, splanchnic vasoconstriction, and heat stress during tilting. *Am. J. Physiol.* 276 (45): R203-R212, 1999 (PMID: 9887196).
6. Halliwill, J.R., **C.T. Minson**, and M.J. Joyner. Measurement of limb venous compliance in humans: technical considerations and physiological findings. *J. Appl. Physiol.* 87(4): 1555-1565, 1999 (PMID: 10517791).
7. Shastry, S., **C.T. Minson**, S.A. Wilson, N.M. Dietz, and M.J. Joyner. Effects of atropine and L-NAME on cutaneous blood flow during body heating in humans. *J. Appl. Physiol.* 88(2): 467-472, 2000 (PMID: 10658012).
8. **Minson, C.T.**, J.R. Halliwill, T. Young, and M.J. Joyner. Influence of the menstrual cycle on sympathetic activity, baroreflex sensitivity, and vascular transduction in young women. *Circulation* 101: 862-868, 2000 (PMID: 10694525).
9. Reed, A.S., M.E. Tschakovsky, **C.T. Minson**, J.R. Halliwill, K.D. Torp, L.A. Nauss, and M.J. Joyner. Skeletal muscle vasodilation during sympathoexcitation is not neurally mediated in humans. *J. Physiol.* 525(1): 253-262, 2000 (PMID: 10811741).
10. **Minson, C.T.**, J.R. Halliwill, T. Young, and M.J. Joyner. Sympathetic activity and baroreflex sensitivity in young women taking oral contraceptives. *Circulation* 102: 1470-1472, 2000 (PMID: 11004135).
11. Halliwill, J.R., **C.T. Minson**, and M.J. Joyner. Effect of systemic nitric oxide synthase inhibition on post-exercise hypotension in humans. *J. Appl. Physiol.* 89: 1830-1836, 2000 (PMID: 11053333).
12. Torp, K.D., M.E. Tschakovsky, J.R. Halliwill, **C.T. Minson**, M.J.Joyner. Beta receptor agonist activity of phenylephrine in the human forearm. *Journal of Applied Physiology* 90: 1855-1859, 2001 (PMID: 11299277).
13. **Minson, C.T.**, LT. Berry, and M.J. Joyner. Nitric oxide and neurally mediated regulation of skin blood flow during local heating. *Journal of Applied Physiology* 91: 1619-1626, 2001 (PMID: 11568143).
14. Weisbrod, C.J., **C.T. Minson**, M.J. Joyner, J.R. Halliwill. Effects of regional phentolamine on hypoxic vasodilation in healthy humans. *Journal of Physiology* 537(2): 613-621, 2001 (PMID: 11731591).
15. Proctor, D.N., J.D. Miller, N.M. Dietz, **C.T. Minson**, M.J. Joyner. Reduced submaximal leg blood flow after high-intensity aerobic training. *Journal of Applied Physiology* 91: 2619-2627, 2001 (PMID: 11717227).
16. Halliwill, J.R. and **C.T. Minson**. Effect of hypoxia on arterial baroreflex control of heart rate and muscle sympathetic nerve activity in humans. *Journal of Applied Physiology* 93(3): 857-864, 2002 (PMID: 12183478).
17. Charkoudian, N., A. Vella, A.S. Reed, **C.T. Minson**, P. Shah, R.A. Rizza, M. J. Joyner. Cutaneous vascular function during acute hyperglycemia in healthy young adults. *Journal of Applied Physiology* 93(4):1243-1250, 2002 (PMID: 12235021).
18. **Minson, C.T.**, L.A. Holowatz, B.J. Wong, W.L. Kenney, and B.W. Wilkins. Decreased nitric oxide and axon reflex mediated cutaneous vasodilation with age during local heating. *Journal of Applied Physiology* 93: 1644-1649, 2002 (PMID: 12381749).
19. Holowatz, L.A., B.L. Houghton, B.J. Wong, B.W. Wilkins, A.W. Harding, W.L. Kenney and **C.T. Minson**. Nitric oxide and attenuated reflex cutaneous vasodilation in aged skin. *American Journal of Physiology (Heart Circ Physiol)*, 284: H1662-1667, 2003 (PMID: 12505876).
20. Wilkins, B.W., L.A. Holowatz, B.J. Wong, and **C.T. Minson**. Nitric oxide is not permissive for cutaneous active vasodilation in humans. *J. Physiol.* 548.3: 963-969, 2003 (PMID: 12651918).
21. Wong**,** B.J.,B.W. Wilkins, L.A. Holowatz and **C.T. Minson**. Nitric oxide synthase inhibition does not alter the reactive hyperemic response in the cutaneous circulation. *J. Appl. Physiol.* 95:504-510, 2003 (PMID: 12692141).
22. **Minson, C.T.** Hypoxic regulation of blood flow in humans. Skin blood flow and temperature regulation. *Advances in Experimental Medicine and Biology* 543: 249-262, 2003 (PMID: 14713127).
23. **Minson, C.T.** and B.J. Wong. Reactive hyperemia as a test of endothelial or microvascular function? *J. Am. Coll. Cardiol.* 43(11): 2218-2220, 2004 (PMID: 15172427).
24. Wilkins, B.W., L.H. Chung, B.J. Wong, N. Tublitz and **C.T. Minson**. Mechanisms of vasoactive intestinal peptide -mediated vasodilation in human skin. *J. Appl. Physiol.* 97: 1291-1298, 2004 (PMID: 15155712)*.*
25. Wong, B.J., B.W. Wilkins, and **C.T. Minson**. H1 but not H2 receptor activation contributes to the rise in skin blood flow during whole body heating in humans. *J. Physiol.* 560(3): 941-948*)*, 2004 (PMID: 15375193).
26. Wilkins, B.W., **C.T. Minson**, J.R. Halliwill. Regional hemodynamics during postexercise hypotention: Cutaneous Circulation. *J. Appl. Physiol.* 97: 2071-2076, 2004 (PMID: 15322061).
27. Meendering, J.R, B.N. Torgrimson, B.L. Houghton, J.R. Halliwill, and **C.T. Minson**. Effects of the menstrual cycle and oral contraceptive use on calf venous compliance. *Am. J. Physiol. (Heart Circ)*288: H103-H110, 2005 (PMID: 15345485).
28. Houghton, B., L.A. Holowatz, and **C.T. Minson**. Influence of progestin bioactivity on cutaneous vascular responses to passive heating. *Med. Sci. Sports Exer.*  37(1): 45-51, 2005 (PMID: 15632666).
29. Halliwill, J.R. and **C.T. Minson**. Cardiovagal regulation during combined hypoxic and orthostatic stress: fainters versus non-fainters. *J. Appl. Physiol.* 98: 1050 – 1056, 2005 (PMID: 15531565).
30. Holowatz, L.A., C.S. Thompson, **C.T.** **Minson** and W.L. Kenney. Mechanisms of acetylcholine-mediated vasodilation in young and aged skin. *J. Physiol.* 563: 965-973, 2005 (PMID: 15661816).
31. Meendering, J.R, B.N. Torgrimson, B.L. Houghton, J.R. Halliwill, and **C.T. Minson**. Menstrual cycle and sex affect hemodynamic responses to combined orthostatic and heat stress. *Am. J. Physiol.* (*Heart Circ)*, 289(2): H631-H642, 2005 (PMID: 15778279).
32. McCord, G.R., and **C.T. Minson**. Cutaneous vascular responses to isometric handgrip exercise during local heating and hyperthermia. *J. Appl. Physiol.* 98(6): 2011-2018, 2005 (PMID: 15661840).
33. Boignard, A., M. Salvat-Melis, P.H. Carpentier, **C.T**. **Minson,** L.Grange, C. Duc,

F. Sarrot-Reynauld and J.-L. Cracowski. Local hyperemia to heating is impaired in secondary Raynaud’s phenomenon. *Arthritis Research & Therapy*, 7: R1103-R1112, 2005 (PMID: 16207327).

1. Torgrimson, B. and **C.T. Minson**. Sex and Gender: What is the difference? *J. Appl. Physiol.* 99: 785-787, 2005 (PMID: 16103514).
2. Meadow, M.S., **C.T. Minson**, and J.M. Stewart. Decreased microvascular nitric oxide-dependent vasodilation in postural tachycardia syndrome. *Circulation* 112: 2611-2618, 2005 (PMID: 16230486).
3. Wilkins, B.W., B.J. Wong, N. Tublitz and **C.T. Minson**. The vasoactive intestinal peptide fragment VIP10-28 and active vasodilation in human skin. *J. Appl. Physiol.* 99: 2294 – 2301, 2005 (PMID: 16109832).
4. Wong, B.J., N.J. Tublitz, and **C.T. Minson**. Neurokinin-1 receptor desensitization to consecutive microdialysis infusions of substance P in human skin.  *J. Physiol.* 563(3): 1047-1056, 2005 (PMID: 16123103).
5. Wong, B.J., S.M. Williams, and **C.T. Minson**. Minimal role for H1 and H2 histamine receptors in cutaneous thermal hyperemia to local heating. *J. Appl. Physiol* 100: 535-540, 2006 (PMID: 16195389).
6. Green, D.J., W. Bilsborough, J.H.J. Siong, M. Erickson, G.J. O’Driscoll, **C.T.** **Minson** and A.J. Maiorana. Impaired skin blood flow responses to environmental heating in chronic heart failure. *Eur. Heart J.* 27(3): 338-343, 2006 (PMID: 16299022).
7. Houghton, B.L., J.R. Meendering, B.J. Wong, and **C.T. Minson.** Nitric oxide and noradrenaline contribute to the temperature threshold of the axon reflex response to gradual local heating in human skin. *J Physiol.* 572(1):811-20, 2006 (PMID: 16497714).
8. Cracowski, J.-L., **C.T**. **Minson,** M. Salvat-Melis and J.R. Halliwill. Methodological issues in the assessment of skin microvascular endothelial function in humans. *Trends Pharmacol Sci* 27(9):503-8, 2006 (PMID: 16876881).
9. McCord, G.R., J.-L. Cracowski, **C.T. Minson**. Prostanoids contribute to cutaneous active vasodilation in humans.  *Am J Physiol Regul Integr Comp Physiol* 291(3):R596-602, 2006 (PMID: 16484440).
10. Salvat-Melis, M., P.H. Carpentier, **C.T.** **Minson,** G.R. McCord, A. Paris, A. Moreau-Gaudry and J.-L Cracowski. Digital thermal hyperemia impairment does not relate to skin fibrosis or macrovascular disease in systemic sclerosis. *Rheumatology* 45 (12): 1490-1496, 2006 (PMID: 16705051).
11. Wong, B.J. and **C.T. Minson.** Neurokinin-1 receptor desensitization attenuates cutaneous active vasodilation in humans. *J. Physiol.* 577(3), 1043-1051, 2006 (PMID: 17023511).
12. Cracowski, J.-L., S.Lorenzo, and **C.T. Minson**. Effects of local anaesthesia on subdermal needle insertion pain and subsequent tests of microvascular function in humans. *Eur. J. Pharmacol.* (559), 150-154, 2007 (PMID: 17229423).
13. Torgrimson, B.N., J.R. Meendering, P.F. Kaplan, **C.T. Minson.** Endothelial function across an oral contraceptive cycle in women using levonorgestrel and ethinyl estradiol. *Am. J. Physiol. (Heart Circ Physiol)*: 292(6): H2874-H2880, 2007 (PMID: 17277029).
14. Simmons, G., **C.T. Minson**, J.-L.Cracowski, J.R. Halliwill. Systemic hypoxia causes cutaneous vasodilation in healthy humans. *J. Appl. Physiol.* 103(2): 608-15, 2007 (PMID: 17510298).
15. Stewart J.M., M.S. Medow, **C.T.** **Minson,** I. Taneja. Cutaneous neuronal nitric oxide is specifically decreased in postural tachycardia syndrome. *Am J Physiol Heart Circ Physiol* 293(4): H2161-7, 2007 (PMID: 17660395).
16. Lorenzo, S, **C.T. Minson.** Human cutaneous reactive hyperaemia: role of BKCa+ channels and sensory nerves. *J. Physiology* 585(1): 295-303, 2007 (PMID: 17901123).
17. Meendering, J.R., B.N. Torgrimson, N.S. Miller, P.K. Kaplan, **C.T. Minson.** Estrogen, medroxyprogesterone acetate, endothelial function, and biomarkers of cardiovascular risk in young women. *Am J. Physiol. Heart Circ* 294(4): H1630-H1637, 2008 (PMID: 18281378).
18. Torgrimson, B.N., J.R. Meendering, P.F. Kaplan, **C.T. Minson.** Endothelial function, endothelin-1, and fibrinogen in young women using the vaginal contraceptive ring. *Fertility & Sterility* 92: 441-447, 2009 (PMID: 18706555).
19. Meendering, J.R., B.N. Torgrimson, N.S. Miller, P.F. Kaplan, **C.T. Minson.** Ethinyl estradiol to desogestrel ratio impacts endothelial function in young women. *Contraception* 79: 41-49, 2009 (PMID: 19041440).
20. Van Duijnhoven, N. T.L, T.W.J. Janssen, D. J. Green, **C.T. Minson**, M.T.E. Hopman, D.H.J. Thijssen. Effect of functional electrostimulation on impaired skin vaosodilator responses to local heating in spinal cord injury.  *Journal of Applied Physiology* 106(4): 1065-1071, 2009 (PMID: 19228983).
21. Chodzko-Zajko, W.J. , D.N. Proctor **,** M.A. Fiatarone Singh, **C.T. Minson**, C.R. Nigg, G. J. Salem, J. S. Skinner. ACSM Position Stand. Exercise and Physical Activity For Older Adults. *Medicine and Science in Sports and Exercise* 41(7): 1510-1530, 2009 (PMID: 19516148).
22. Tinken, T.M., D.H.J. Thijssen, N. Hopkins, M.A. Black, E.A. Dawson, **C.T. Minson**, S.C. Newcomer, M. H. Laughlin, N.T. Cable, D. J. Green. Impact of shear rate modulation on vascular function in humans. *Hypertension* 54(2): 278-85, 2009 (PMID: 19546374).
23. Lynn, B.M., **C.T. Minson**, and J.R. Halliwill. Fluid replacement and heat stress during exercise alter postexercise cardiac haemodynamics in endurance exercise-trained men. *J Physiol* 587: 3605-3617, 2009 (PMID: 19491249).
24. Meendering, J.R., B.N. Torgrimson, N.S. Miller, P.K. Kaplan, **C.T. Minson.** A combined oral contraceptive containing 30mcg ethinyl estradiol and 3.0mg drospirenone does not impair endothelium-dependent vasodilation. *Contraception* 82 (4): 366-372, 2010. PMID: 20851231
25. Simmons, G.H., S.M. Fieger, **C.T. Minson**, J. R. Halliwill. Hypoxic cutaneous vasodilation is sustained during brief cold stress and is not affected by changes in CO2. *Journal of Applied Physiology* 108(4): 788-792 (PMID: 20167671), 2010.
26. **Minson, C.T.** Thermal provocation to evaluate microvascular reactivity in human skin. *J. Appl. Physiol.* 109(4):1239-46, 2010. PMID: 20507974
27. Lorenzo, S., J. R. Halliwill, M. Sawka, **C. T. Minson.** Heat Acclimation Improves Exercise Performance. *J. Appl. Physiol.* 109(4):1140-7, 2010. PMID: 20724560.
28. Lorenzo, S., **C. T. Minson.** Heat Acclimation improves cutaneous vascular function in Humans *J. Appl. Physiol.* 109(6):1736-1743, 2010. PMCID: PMC3006409.
29. **Minson, C.T.** Research, Teaching, Service and Life: How to survive and prosper. *The Physiologist* 53(6): 21-22, 2010.
30. Simmons, G.H., S.M. Fieger, B.J. Wong, **C.T. Minson**, J. R. Halliwill. No effect of systemic hypoxia on α-adrenergic vasoconstrictor responsiveness in human skin*. Acta Physiol Scand* (Oxf) 201(3), 339-347, 2011. PMID: 20946237
31. Torgrimson, B.N., J.R. Meendering, P.F. Kaplan, **C.T. Minson.** Depot-Medroxyprogesterone Acetate and endothelial function before and after acute oral, vaginal, and transdermal estradiol treatment. *Hypertension*; 57(4), 819-824, 2011. PMID: 21357271
32. Brunt, V.E , J.A. Miner, J.R. Meendering, P.F. Kaplan, **C.T. Minson.** 17-β estradiol and progesterone independently augment cutaneous thermal hyperemia but not reactive hyperemia. *Microcirculation* 18(5): 347-355, 2011. PMID: 21426437
33. Wong, B. J. and **C.T. Minson.** Altered thermal hyperemia in human skin by prior desensitization of neurokinin-1 receptors. *Experimental Physiology* 96(6): 599-609, 2011. PMID: 21478256
34. Simmons, G.H., Z. Barrett-O’Keefe, **C.T. Minson**, J.R. Halliwill. Cutaneous vascular and core temperature responses to sustained cold exposure in hypoxia. *Exper. Physiol.*  96(10):1062-1071, 2011. PMID: 21705404
35. Lorenzo, S., **C. T. Minson**, T.G. Babb, J. R. Halliwill**.** Lactate threshold predicting time trial performance: impact of heat and acclimation. *J. Appl. Physiol.* 111 (1), 2011. PMID: 21527667
36. Miner, J.A., E. Martini, P.F. Kaplan, J.R. Halliwill, **C.T. Minson.** Short-term oral progesterone administration antagonizes the effect of transdermal estadiol on endothelium-dependent vasodilation in young healthy women. *Am. J. Physiol. Heart, Circ.* 301: H1716-H1722, 2011. (PMID: 21856917).
37. Smith, M.M., **C.T. Minson.** Obesity and Adipokines: Effects on Sympathetic Overactivity. *Journal of Physiology* 590(8): 1787-1801, 2012. PMID: 22351630
38. Brunt, V.E , **C.T. Minson.** KCa channels and epoxyeicosatrienoic acids: major contributors to thermal hyperaemia in human skin. *Journal of Physiology* 590: 3523-3534, 2012. PMID: 22674719
39. Carter, J.R., Q. Fu, **C.T.** **Minson**, M. J. Joyner. Ovarian cycle and sympathoexcitation in premenopausal women. *Hypertension* 61(2): 1524-1563, 2013. PMID: 23172932
40. Fujii, N., M.C. Reinke, Brunt, V.E, **C.T. Minson.** Impaired acetylcholine-induced cutaneous vasodilation in young smokers: roles of nitric oxide and prostanoids. *American Journal of Physiology (Heart, Circ)* 304: H667-H673, 2013. PMID: 23316063.
41. Lakehomer, H.A., Kaplan, P.F., Wozniac, D.C, **C.T. Minson.** Characteristics of scheduled bleeding manipulation with combined hormonal contraception in university students. *Contraception* 88(3): 426-430, 2013. PMID: 23477500
42. Brunt, V.E., N. Fujii, **C.T.Minson**. No independent, but an interactive, role of calcium-activated potassium channels in human cutaneous active vasodilation. *Journal of Applied Physiology* 115:1303-1309, 2013. PMID: 23970531
43. Brunt, V.E., J.A. Miner, P.F. Kaplan, **C.T. Minson.** Short-term administration of progesterone and estradiol independently alter carotid-vasomotor, but not carotid-cardiac, baroreflex function in young women. *Am J Physiol Heart Circ* (Accepted for Publication; doi:10.1152/ajpheart.00194.2013), 2013.
44. Johnson, J.M., **C.T. Minson**, D.L. Kellogg. Cutaneous vasodilator and vasoconstrictor mechanisms in temperature regulation. *Comprehensive Physiology* 4: 1-57, 2014.
45. Fujii, N., V.E. Brunt, **C.T. Minson.** Tempol improves cutaneous thermal hyperemia through increasing nitric oxide bioavailability in young smokers. *Am J Physiol Heart Circ* 306(11): H1507-1511, 2014.
46. Choi, P., V.E. Brunt, N. Fujii, **C.T. Minson.** New approach to measure cutaneous microvascular function: an improved test of NO-mediated vasodilation by thermal hyperemia. *J Appl Physiol* (Accepted for Publication: PMID: 24903917), 2014.
47. Ely, B.R., A.T. Lovering, M. Horowitz, **C.T. Minson**. Heat acclimation and cross tolerance to hypoxia: bridging the gap between cellular and systemic responses. *Temperature* (Accepted for Publication), 2014.
48. McCord, G.R., T. Takashi, **C.T. Minson**. Role of myogenic reflexes in the cutaneous vascular response to hyperthermic isometric handgrip exercise. (Manuscript in Preparation).
49. Brunt, V.E., N. Fujii, **C.T. Minson.** Role of KCa channels in acetylcholine-mediated vasodilation in human skin. (Manuscript in Preparation).
50. Miner, J.A., J.C. Miner, V.E. Brunt, P.F. Kaplan, L. Strycker, **C.T. Minson.** Changes in cardiovagal baroreflex sensitivity in young women in response to short-term oral progesterone and transdermal estradiol administration. (Manuscript in Preparation).
51. Fujii, N., V.E. Brunt, **C.T. Minson.** Preserved EDHF component of acetylcholine-induced cutaneous vasodilation in smokers. (Manuscript in Preparation).
52. Miner, J.C., J.A. Miner, V.E. Brunt, P.F. Kaplan, L. Strycker, **C.T. Minson.** Independent effects of estrogen and progesterone on sympathetic outflow and baroreflex sensitivity in young women (Manuscript in Preparation).

**LETTERS to the EDITOR and INVITED COMMENTARIES:**

1. Halliwill, J.R. and **C.T. Minson**. Measures of venous function: Technical issues and novelty of findings. *American Journal of Physiology (Heart Circ Physiol)*, 287: H981, 2004.
2. **Minson, C.T.**, P. Kaplan, J.R. Meendering, B. Torgrimson, and N.S. Miller. Women, hormones, and clinical trials: a beginning, not an end. *J. Appl. Physiol.* 100: 373, 2006.
3. Torgrimson, B., J.R. Meendering, and **C.T. Minson**. Comments on Point-Counterpoint “Flow-mediated dilation does/does not reflect nitric oxide-mediated endothelial function.” *J. Appl. Physiol.* 100: 362, 2006.
4. **Minson, C.T.** and D.J. Green. Measures of vascular reactivity: prognostic crystal ball or Pandora’s box? *J Appl Physiol* 105: 398-399, 2008 (PMID: 18556427).
5. Cracowkski, J.-L., G.R. McCord, and **C.T. Minson**. How to investigate skin endothelial dysfunction in diabetes. J. Diabet. Complicat. 20(2):133-4, 2007 (PMID: 16504842).
6. Halliwill JR and **C.T. Minson**. Retrograde shear: Backwards into the future? *Am J Physiol Heart Circ Physiol* 298(4): H1126-H1127, 2010 (PMID: 20190101).
7. Brunt, V.E. and **C.T. Minson**. Cutaneous Thermal Hyperemia: More Than Skin Deep. *J Appl Physiol* 111(1): 5-7, 2011.
8. Carter, J.R., Q. Fu, **C.T.** **Minson**, M. J. Joyner. Response to role of sex steroid hormones and nitric oxide in the regulation of sympathetic nerve activity in women. *Hypertension* 61(4): e37, 2013. PMID: 23607137
9. Sieck, G.C., T. Wang, **C.T. Minson**, B.R. Ely. Physiology’s Impact: Exploring the Mysteries of Life. *Physiology* 28(5): 272-273, 2013.

**Book Chapters:**

1. **Minson, C.T.** and J.R. Halliwill. Fluid and Electrolyte Replacement. In *Macronutrients, Electrolytes, and Macroelements in Sports Nutrition*, edited by J.A. Driskell and I. Wolinsky. Boca Raton, FL: CRC Press, 1999*.*
2. **Minson, C.T.** Reflex Control of the Circulation. In *Principles of Sex-Based Physiology*, Advances in Molecular and Cell Biology, Vol. 34, edited by V.M. Miller and M. Hay. New York: Elsevier Publishing Company, 147-166, 2003.
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**Published Abstracts:**

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