

CURRICULUM VITAE

I. Personal History:

A. Name: Peter Ramutis Kvietys

B. Date and Place of Birth: 1/12/48; Strasbourg, France

C. Citizenship: U.S.A.

D. Marital and Family Status: Married, two children

E. Education:

1. Degrees, earned:

Western Michigan University, 1972; B.S., Biology
Michigan State University, 1975; M.S., Physiology
Michigan State University, 1979; Ph.D., Physiology

2. Academic honours:

Outstanding Graduate Student Award, Department of Physiology, Michigan State University, 1977.

Pharmacia Travel Award from the Microcirculatory Society, 1982.

Fellow of the Cardiovascular Section of American Physiological Society, 1985

3. Professional Societies and Memberships:

American Physiological Society
American Gastroenterological Association
Microcirculatory Society
American Heart Association
North American Vascular Biology Organization

II. Employment History:

A. Saudi Arabia

Professor, Department of Physiology
Alfaisal University, Riyadh 2010 – present
Adjunct Appointment, Scientist

King Faisal Specialist Hospital & Research Center, Riyadh 2011 - present

B. Canada:

Director, Critical Illness Research
Lawson Health Research Institute
London, Ontario 2007- 2009 (retired Dec. 2008)
Scientist, Lawson Health Research Institute
London, Ontario 2003 – 2009 (retired Dec. 2008)
Program Leader for Vascular Biology/Inflammation
Lawson Health Research Institute
London, Ontario 2000 - 2003
Director, Division of Vascular Biology
London Health Sciences Centre Research Inc.
London, Ontario 1997 – 2000
Professor, Department of Medicine
U.W.O., London, Ontario, 1997 – 2009 (retired)
Professor, Department of Medical Biophysics
U.W.O., London, Ontario, 1996 – 2009 (retired)
Professor, Department of Physiology
U.W.O., London, Ontario, 1995 - 2007
Senior Scientist, London Health Sciences Centre, Research Institute
London, Ontario, 1995 - 2000
Senior Scientist, Victoria Hospital Research Institute,
Victoria Hospital, London, Ontario, 1994-1995

C. United States:

Professor, Department of Physiology and Biophysics,
LSU Medical Center, Shreveport, Louisiana, 1991- 1994
Associate Professor, Department of Physiology and Biophysics,
LSU Medical Center, Shreveport, Louisiana, 1986 - 1991
Associate Professor, Department of Physiology,
University of South Alabama, Mobile, Alabama, 1984 - 1986
Assistant Professor, Department of Physiology,
University of South Alabama, Mobile, Alabama, 1981 - 1984.
Instructor, Department of Physiology,
University of South Alabama, Mobile, Alabama, 1981.
Research Associate, Department of Physiology,
University of South Alabama, Mobile, Alabama, 1980 - 1981.
Postdoctoral Fellow, Department of Physiology,
University of South Alabama, Mobile, Alabama, 1979 - 1980.

III. Service at Institutional, Community, and National/International Levels

A. University Service

University of South Alabama

Nutrition Task Force, 1981

Student Research Committee, 1981 - 1983 (**Chairman**, 1982)

Graduate School Admissions Committee, 1982 - 1985

Cellular/Molecular Biology Interdisciplinary Coordinating Committee, 1984 - 1986

Basic Science Research Forum Committee, 1985

LSU Medical Center

Radiation Safety Committee, 1987

Promotion Appeals Committee, 1989, 1990

Biomedical Research Institute Planning Committee, 1989

First Year Student Promotions Committee: 1989, 1990

Curriculum Committee, 1991 - 1994

Faculty Promotions Committee, 1993

University of Western Ontario

Graduate Studies Committee (Physiology), 1995

Faculty of Medicine and Dentistry Research Council, 1998

London Health Sciences Center

Canada Foundation for Innovation Task Team, 1998 - 2000

Research Advisory Committee, 1998 - 2000

Maternal Perinatal Health (MPH) Research Task Team, 1999

Search Committee, Chair, Critical Care, 1999

Lawson Health Research Institute

Steering Committee, Research Facility Development, 2000 - 2003

Lawson Health Research Institute Research Council, 2000 – 2003

Alfaisal University

Curriculum Committee 2011 – present

Promotions Committee 2011 – present

Phase 1 Committee, Director 2012 - present

B. Service for National/International Organizations

1. *Scientific Advisory Panels*

Special Review Committee, National Institutes of Alcohol Abuse and Alcoholism, June 30-July 2, 1987

Special Review Committee, Metabolic Pathology (NIH), April 13, 1989

Special Review Committee, General Medicine A2 (NIH), October 8-9, 1989

Special Review Committee, Respiratory and Applied Physiology (NIH), 1991

Special Review Committee, Reverse site visit. "Program Projects in Vascular Biology and Medicine" (NIH), April 22, 1992.

Special Review Committee, Site visit. "Research Center Grant in Trauma and Burn Program of NIGMS" August 6-8, 1992.

Special Review Committee, site visit. "NIGMS Trauma Research Center", April 4-5, 1993.

Special Review Committee, Reverse site visit. "Program Project in Heat Stress" (NIAMS), October 19-20, 1993.

Special Review Committee "Program Project in Heat Stress" (NIAMS), July 6, 1994.

NIGMS Site Visit and Special Emphasis Panel Meeting, Univ. Texas at Houston, March 18 - 19, 1998

NIGMS Site Visit and Special Emphasis Panel Meeting, Univ. Of Texas at Houston, March 8-9, 1999

External Reviewer for Veterans Administration Merit Review (U.S.)- 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1999, 2000, 2001, 2003

External Reviewer for Medical Research Council of Canada - 1990, 1991, 1992, 1994, 1995, 1996, 1997.

External Reviewer for Canadian Institutes of Health Research – 2001, 2004, 2005, 2006, 2007 (Emerging Team Grant), 2007

External Reviewer for Crohn's and Colitis Foundation of Canada - 1993, 1994, 1996.

External Reviewer for Alberta Heritage Foundation for Medical Research - 1993, 1999, 2000, 2002, 2004

External Reviewer for Bayer/Red Cross Canada - 1996, 2000

External Reviewer for Multiple Sclerosis Society of Canada - 2006

External Reviewer for Ontario Thoracic Society - 1997, 1998

External Reviewer for Canadian Liver Foundation - 2000

External Reviewer for Physician's Services Incorporated – 2001

External Reviewer for Heart and Stroke Foundation of Canada- 2004

External Reviewer for Portuguese Science and Technology Foundation (Group Grant, 2007)

Member Experimental Medicine Committee, Medical Research Council of Canada, 1997-2000

Member Group Grants Committee, CIHR, 2002, 2004

Member 'Cardiovascular System C', CIHR, 2001, 2002, 2003, 2004

Consultant – CIHR/Institute of Circulatory and Respiratory Health, Strategic Planning, 2004

2. Scientific Journals

Associate Editor:

American Journal of Physiology, Gastrointestinal and Liver Section, 1991 - 1996.

Editorial Board:

American Journal of Physiology, Gastrointestinal and Liver Section, 1985 - 1991

American Journal of Physiology, Gastrointestinal and Liver Section, 1997 - 2002

Pathophysiology, 1997 - Present

Microcirculation, 1998 - 2003

Journal of Critical Care 2000 - Present

Journal of Clinical Biochemistry & Nutrition 2005 – Present

Section Editor:

PanVascular Medicine, Visceral Vascular Diseases Section 2013 - 2014

Field reviewer for:

Digestive Diseases and Sciences

Gastroenterology

American Journal of Physiology: Gastrointestinal and Liver Physiology

American Journal of Physiology: Heart and Circulatory Physiology

American Journal of Physiology: Endocrinology and Metabolism

American Journal of Physiology: Cell Physiology

Proc. Soc. Exper. Biol. Med.

Journal of Applied Physiology

Microvascular Research

Life Sciences

Regulatory Peptides

Archives of Biochemistry and Biophysics

Journal of Applied Physiology

Journal of Pharmacology and Experimental Therapeutics

FASEB Journal

Journal of Clinical Investigation

Journal of Cellular Physiology

Canadian Journal of Physiology and Pharmacology

Journal of Surgical Research

Blood

Journal of Leukocyte Biology

Digestion

Circulation Research

Journal of Immunology

Gut

Hepatology

Hypertension

Microcirculation

PLOS
Arteriosclerosis, Thrombosis & Vascular Biology

3) *Scientific Conferences*

Vice Chairman, FASEB Summer Research Conference. "Physiology and Pathophysiology of the Splanchnic Circulation". 1992.

Chairman, FASEB Summer Research Conference. "Physiology and Pathophysiology of the Splanchnic Circulation". 1994.

Organizing Committee, Second Scientific Meeting of the Oxidative Stress Consortium, 2001

IV. **Research Support (Principal Investigator)**

Postprandial Intestinal Hyperemia, NIH, HL27659, (New Investigator Award), 1981-1984, \$104,900.

Pancreatic transcapillary solute and fluid exchange, NIH, AM33548, 1984-1988, \$167,788.

Hypoxia/reoxygenation injury to microvascular endothelium, American Heart Association 891108, 1989-1992, \$88,500.

Hypoxia/reoxygenation injury to microvascular endothelium, LEQSF (RD-A-7) Louisiana Board of Regents, 1989-1992, \$46,650.

Gastric mucosal injury, NIH, DK41399, 1990-1994, \$421,122.

Director of cellculture core for pathophysiology of intestinal ischemia/reperfusion NIH, PO1 DK 43785 (P.I. D.N. Granger), 1991-1996, \$163,060.

(Resigned 1994).

In vitro model of intestinal ischemia/reperfusion, NIH HL48855, 1993-1997, \$445,336. (converted to subcontract, 1994-1997, \$16,000).

Neutrophil-endothelial cell interactions during anoxia/reoxygenation: role of platelets, MRC, MT-12902, 1995-2000, \$465,000.

Development of oxidant tolerance, MRC, MT-13668, 1996-1999, \$174,000.

Circulatory Dysfunction in the Systemic Inflammatory Response Syndrome, MRC Group Grant , Director. GR-12816, 1997 - 2000, \$1,126,130.

LPS Pretreatment Prevents Peritonitis-Induced Systemic Inflammation, MRC (project in Group Grant), MT-13940, 1997 - 2000, \$142,173.

Development of oxidant tolerance, MRC, MT-13668, 1999-2004, \$305,000

Sepsis-induced Neutrophil Emigration in the lung: Role of Macrophages, CIHR, MOP 37758, 2000-2005, \$406,605.

Multiple Organ Dysfunction in the Systemic Inflammatory Response Syndrome, CIHR Group Grant , Director, MGC - 12816, 2000-2005, Core: \$929,553

Erythropoietin protects the heart from ischemia/reperfusion injury, CIHR MOP 13668, 2004-2009, \$672,825.

Multiple Organ Dysfunction in the Systemic Inflammatory Response Syndrome, CIHR Group Grant, Director, MGC 12816, 2005-2009, \$1,430,450.

V. Invited presentations

- 1) American Physiological Society, Workshop on Splanchnic Circulation, Cincinnati, 1981, "Vasoactive agents and splanchnic oxygen uptake".
- 2) Pharmacia, Uppsala, Sweden, 1982, "Capillary fluid exchange in splanchnic organs"
- 3) Department of Physiology, University of Goteborg, Goteborg, Sweden, 1982, "Intrinsic and extrinsic regulation of capillary density".
- 4) Department of Physiology, University of Grenoble, Grenoble, France, 1982, "Role of capillary recruitment in meeting the oxygen requirements of the small intestine".
- 5) Department of Physiology, Queen Elizabeth College, London, England, 1982, "The oxygen availability-to-demand ratio and intestinal vascular responses".
- 6) International Union of Physiological Sciences, Satellite Symposium on the Microcirculation. Sydney, Australia, 1983, "Intrinsic and extrinsic regulation of the pancreatic circulation".
- 7) Student Research Forum, Michigan State University, East Lansing, Michigan, 1983, "Research in Medicine".
- 8) Department of Physiology, University of Nevada, Reno, Nevada, 1983, "Intestinal functional activity and blood flow".
- 9) Workshop on the Relationships Between Intestinal Motility and Epithelial Transport. Dorado, Puerto Rico, 1985, "Effects of motor activity on intestinal blood flow".
- 10) FASEB Summer Research Conference, Physiology and pathophysiology of the splanchnic circulation, Vail Colorado, 1986, "The pancreatic microcirculation".
- 11) American Physiological Society, New Orleans, Louisiana, 1986, Symposia on neural-humoral regulation of electrolytes and water balance at the microcirculation, Neural-humoral effects on the splanchnic circulation".
- 12) Monte Carlo Symposium on Splanchnic Perfusion and Multiple Organ Failure. Monte Carlo, Monaco, 1987. "The Role of Hypoxia in Ischemic Injury to the Intestinal Mucosa".
- 13) American Physiological Society, Las Vegas, Nevada, 1988, Symposia on Regulation of blood flow in endocrine glands, "Blood flow and pancreatic secretory activity".
- 14) American Physiological Society, New Orleans, Louisiana, 1989, Symposia on integrative factors in gut function, "Relationship of blood flow to motility and epithelial transport.
- 15) International Symposium on Cell Injury and Cytoprotection, Harvard University School of Public Health, Boston, 1989, "Neutrophils enhance anoxia/reoxygenation-induced injury to microvascular endothelium."
- 16) Department of Physiology and Cell Biology, University of Texas, Houston, Texas, 1989, "Ethanol-induced gastric mucosal injury: Role of neutrophils".
- 17) American Chemical Society, Miami, Florida, 1989, Symposium on Mechanisms of Protection from Chemical Toxins, "Enzymatic Scavengers of oxyradicals and gastrointestinal mucosal injury".
- 18) Second International Gastroenteric Biology Conference, Chicago, Illinois, 1989, "Interaction between inflammatory cells and microvascular endothelium in mucosal injury".
- 19) International Workshop on Pancreatic Inflammatory Disease: Cell Biological Concepts and

Therapeutic Applications, Marburg, Federal Republic of Germany, 1990, "Physiology of pancreatic microcirculation".

20) International Workshop on Pancreatic Inflammatory Disease: Cell Biological Concepts and Therapeutic Applications, Marburg, Federal Republic of Germany, 1990, "Role of reactive oxygen metabolites in inflammation".

21) Fifth European Congress on Intensive Care Medicine, Amsterdam, The Netherlands, 1990, Symposium on Basic Mechanisms of Tissue Injury, "Role of reactive oxygen species".

22) GI Disease Research, G.D. Searle and Co., Skokie, Illinois, 1990, "Ethanol-induced gastric mucosal injury".

23) FASEB Summer Research Conference, Physiology and Pathophysiology of the Splanchnic Circulation, Copper Mountain, Colorado, 1990, "Chemical mediators of endothelial cell injury".

24) American Gastroenterological Association, New Orleans, Louisiana, 1991, Symposium on endothelial cells, "Endothelial cell dysfunction in gastrointestinal disease".

25) Fifth World Congress for Microcirculation, Louisville, Kentucky, 1991, "Effects of ethanol and anoxia/reoxygenation on neutrophil-endothelial cell interactions".

26) FASEB Summer Research, Molecular Basis of Gastric Mucosal Defense, Copper Mountain, Colorado, 1992, "Role of neutrophils in mucosal injury".

27) Japanese Society of Gastroenterology, Tokyo, Japan, 1992, Special Lecture, "Role of the microcirculation in ischemia/reperfusion induced intestinal injury".

28) First Department of Internal Medicine, Nagoya, Japan, 1992, "Role of neutrophils in gastric mucosal injury".

29) Gastrointestinal Research Group, University of Calgary, Calgary, Alberta, 1992, "Postprandial modulation of intestinal mucosal integrity".

30) American College of Sports Medicine Roundtable, Indianapolis, Indiana, 1993, "Effects of blood flow on intestinal absorption and secretion".

31) American Gastroenterological Association, Boston, Massachusetts, 1993, Symposium on Mucosal Defence: Recent developments and clinical implications. "Role of the circulation in mucosal defence."

32) Department of Surgery, University of Chicago, Chicago, Illinois, 1993, "Helicobacter-induced neutrophil endothelial cell interactions".

33) Department of Anesthesia, Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts, 1993, "Ischemia/reperfusion: Friend or Foe".

34) 5th Taisho International Symposium on Gastroenterology, Hakone, Japan, 1994, "Development of oxidant tolerance in the rat small intestine: an epithelium-independent event".

35) Department of Internal Medicine, Keio University, Tokyo, Japan, 1994, "Helicobacter pylori-induced inflammation".

36) American Gastroenterological Association, New Orleans, Louisiana, 1994, Symposium on Intestinal Ischemia/Reperfusion Injury "Adaptive cytoprotection: Development of ischemic tolerance".

37) Molecular Biological Approach to Peptic Ulcer Disease, New Orleans, Louisiana, 1994 "EGF and mucosal protection".

38) FASEB Summer Research Conference, Physiology and Pathophysiology of the Splanchnic Circulation, Copper Mountain, Colorado, 1994, "Anoxia/reoxygenation-induced leukocyte-endothelial cell interaction".

39) American Association of Anatomists, Atlanta, Georgia, 1995, Symposium on the

Gastrointestinal Mucosa: Form and Function “Postprandial mucosal protection”.

- 40) FASEB Summer Research Conference, Cellular and Molecular Bases of Gastrointestinal Mucosal Defence, Saxton River, Vermont, 1995, “Helicobacter-derived neutrophil activating factors”.
- 41) FASEB Summer Research Conference, Physiology and Pathophysiology of the Splanchnic Circulation, Copper Mountain, Colorado, 1996 “Neutrophil transendothelial migration: Role of elastase”.
- 42) Sixth World Congress for Microcirculation, Munich, Germany, 1996 “Neutrophil-endothelial cell interactions induced in vitro by anoxia/reoxygenation”.
- 43) Seventh Taisho International Symposium on Gastroenterology, Lansdowne, VA, 1997, “Epithelial and mast cell products differentially modulate migration of epithelial cells in wounded monolayers”.
- 44) Symposium on Redox Regulation of Gene Expression, Shreveport, Louisiana, 1997, “Anoxia/reoxygenation tolerance: Role of NFκB, nitric oxide, and oxidative stress”.
- 45) 6th Southeast European Symposium of Pediatric Surgery, Graz, Austria, 1998 “Motility, digestion and absorption of the normal intestinal tract”.
- 46) FASEB Summer Research Conference, Physiology and Pathophysiology of the Splanchnic Circulation, Wilsonville, Oregon, 1998 “Gastrointestinal blood flow”.
- 47) Department of Physiology, Michigan State University, East Lansing, Michigan, 1998, “Anoxia/reoxygenation tolerance in endothelial cells”.
- 48) Department of Cell and Molecular Physiology, LSU Medical Center, Shreveport, LA, 1999, “Neutrophil-endothelial cell interactions: role of elastase”.
- 49) Sixth Great Lakes Lung Conference, “Neutrophil-endothelial cell interactions: role of elastase”. Niagara-on-the-lake, Ontario, 1999.
- 50) Symposium on Functional Genomics: a new approach to understanding cardiac and renal dysfunction. “Neutrophil-endothelial cell interactions during the development of tolerance to ischemia/reperfusion in isolated cells”. Stockholm, Sweden, 2000
- 51) Immunet/Endothelial Cell Club, University of Alberta. “Neutrophil-endothelial cell interactions: role of elastase”. Edmonton, Canada, 2000
- 52) Endothelial Cell Club, University of Alberta. “Development of oxidant tolerance in endothelial cells”. Edmonton, Canada, 2000
- 53) Department of Physiology, University of South Alabama, Distinguished Scientist Lecture: “Neutrophil-endothelial cell interactions: role of elastase”, Mobile, Alabama, U.S.A., 2001
- 54) 2nd Scientific Meeting of the Oxidative Stress Consortium. “Development of Oxidant Tolerance”. London, Ontario, 2001
- 55) 7th World Congress for Microcirculation. “Invitro model of ischemia reperfusion”. Sydney, Australia, 2001
- 56) Saint Michael’s Hospital. “Development of tolerance in isolated cardiac myocytes, Toronto, Ont. 2002
- 57) Royal Victoria Hospital. “Neutrophil-endothelial cell interactions in inflammation”. Montreal, Quebec, 2003.
- 58) Robarts Research Institute. “Intrinsic and extrinsic regulation of inflammatory response.” London, Ontario, 2004.
- 59) Ortho Biotech Symposia on the cardiovascular effects of erythropoietin, “Erythropoietin protects against the ischemia/reperfusion induced inflammation in the heart”, Toronto, Ontario,

2004

60) CCIR/CIHR City-wide Symposia, “Cellular mechanisms of delayed preconditioning”
London, Ontario, 2005

61) Department of Microbiology and Immunology, Dalhousie University “Neutrophil-
transendothelial migration” Halifax, Nova Scotia, 2006

62) Robarts Research Institute, “Role of macrophages in neutrophil emigration” London, Ontario,
2007

63) Department of Cellular and Molecular Physiology, LSU Medical Center, Shreveport,
Louisiana, “Chemotactic gradients and PMN transendothelial migration”, 2007

64) Department of Microbiology and Immunology, University of Western Ontario, London,
Ontario, “Chemotactic gradients and PMN transendothelial migration”, 2007

VI. Teaching

1. Undergraduate Training:

University of South Alabama

Medical Students - Endocrine and Gastrointestinal Physiology

Course Master - Medical Student Physiology Course, Laboratory

Graduate Students - Endocrine, Gastrointestinal and Cardiovascular Physiology

LSU Medical Center

Medical Students - Cardiovascular Physiology

Course Master - Medical Student Physiology Course (1986-1990)

Graduate Students - Advanced Gastrointestinal and Cardiovascular Physiology

Course Master - Advanced Gastrointestinal Physiology (1990)

Course Master - Advanced Cardiovascular Physiology (1991, 1994)

University of Western Ontario

Graduate: Physiology 514 (1997)

Graduate: Medical Biophysics 581b (1999, 2002)

Undergraduate: Physiology 480 (1996, 1998, 1999)

Medical Biophysics 513Y (1999)

Alfaisal University

Medical Students

Gastrointestinal Physiology, Block Director (2010 – present)

Cardiovascular Physiology (2010 – present)

Blood, Block Director (2012 – present)

Molecular Medicine, Course Director (2011 – present)

Problem-based learning (PBL) sessions (2010-present)

2. Graduate and Postgraduate Training:

Ph. D. Students

S. Morgan Smith, "The role of oxygen radicals and neutrophils in hemorrhagic shock-induced gastric mucosal injury", University of South Alabama, 1987.

Cameron Lush, "LPS induced tolerance to peritonitis", University of Western Ontario (2002)

Sean Madorin, "Role of cardiac myocytes in the development of LPS tolerance", University of Western Ontario (2004)

M.S. Students

Cameron Lush., "LPS tolerance", University of Western Ontario (1997)

Ph.D. Dissertation Committee Member

Joseph N. Benoit, "Mechanisms involved in the pathogenesis of chronic portal venous hypertension", University of South Alabama, 1985.

Michele G. Ulrich-Baker, "Relationship between gastrointestinal growth and blood flow", University of South Alabama, 1986.

Lucrecia A. Hernandez, "Role of neutrophils in ischemia-reperfusion injury in the cat small intestine", University of South Alabama, 1987.

William A. Womack, "Intestinal villous motility: regulation and function", University of South Alabama, 1987.

Christoph von Ritter, "The role of neutrophilic mediators in acute inflammation of the gut", LSU Medical Center, 1988.

Karen D. Crissinger, "Intestinal hemodynamics, oxygenation, and the response to ischemic stress in the developing piglet," LSU Medical Center, 1989.

Jeffrey K. Smith, "The role of xanthine oxidase and reactive oxygen metabolites in postischemic microvascular injury in skeletal muscle", LSU Medical Center, 1989.

Barbara J. Zimmerman, "Mechanisms involved in reperfusion-induced neutrophil infiltration" LSU Medical Center, 1990.

Otto Velasquez, "Role of lipids in mucosal injury", LSU Medical Center, 1993.

Kristine Bienvenu, "Mechanisms of shear rate-dependent leukocyte adhesion", LSU Medical Center, 1993.

Sarah Jerome, "Role of leukocytes in the no-reflow phenomenon", LSU Medical Center, 1994.

Feng Wu, "Oxidants and iNOS induction in sepsis: effect of ascorbate", UWO (in progress)

M.S. Thesis Committee Member

Judy (Karpecki) Bornais, "Control of Integrin Adhesiveness by metal ions, UWO (2000)

Jodie Adams, "The proinflammatory and immunoregulatory cytokines mediate endotoxin-induced intestinal injury in the neonatal rat", UWO, 1998

Jim Rose, "Microcirculatory hypoperfusion and tissue bioenergetics in the small bowel mucosa: the effect of sepsis and angiotension II", UWO (2002)

Postdoctoral fellows

Werner Inauen, M.D., University Hospital in Berne, Switzerland 1989-1991

Norimasa Yoshida, M.D., Kyoto Prefectural University, Japan 1990-1992

David L. Osborne, Ph.D., East Carolina University School of Medicine, USA 1991-1993.

Gediminas Cepinskas DVM., Lithuanian Academy of Sciences, Lithuania 1991-1997

Susumu Ishikawa, M.D., Nagoya City University Medical School, Nagoya, Japan, 1992-1994.

Toshiki Takemura, M.D., Kyoto Prefectural University, Japan 1992-1994

Bashar Hakim, M.D., LSU Medical Center, 1992-1994.

Naotomo Ohno, M.D. Nagoya City University Medical School, Nagoya, Japan, 1994-1994.

Jurate Savickiene, Ph.D., Institute of Biochemistry, Vilnius, Lithuania, 1998-2000

Remi Neviere, M.D. (co-supervision with Dr. William Sibbald) 1998

Tao Rui, M.D., Zhenjiang Medical College, Zhenjiang, China, 1998-1999.

Tao Rui, M.D., Zhenjiang Medical College, Zhenjiang, China, 2000 - 2004

Carmen V. Ionescu, M.D., M.S., University of Western Ontario, 2000 - 2002

Wan Kai Zhang, M.D., Cardiovascular Institute of Shanxi Province, China.
2002 - 2003

Naohito Sugimoto, M.D., Kyoto Prefectural University, Japan. 2003-2005

Zhanfei Wang, M.D. Ph.D., China Medical University, Shenyang, China. 2003-
2007

Min Yang, M.D., M.S., Jiangsu University, China, 2007 – present

Zheng Z. M.D., Ph.D., Fudan University, Shanghai, China, 2006 – 2007.

Bian, Z. M.D., Ph.D., Wuhan University, Wuhan, China, 2006 – 2007.

Yun-hui Shen, Ph.D. Shanghai University, Shanghai, China, 2007 – present.

Fatima Valiyeva, M.D., Moscow Medical Univ., Moscow, Russia, 2007 -
present

3. *Other Contributions to Graduate and Postgraduate Training*

Graduate (UWO)
Examining Boards

a) Ph.D. thesis

Sharon Hyduk (1997)
Jaret Malloy (1998)
Stephen Dukacz (1999)
Robert Brock (2000)
Michelle McCully (2007)
Jennifer Shelton, (2007)

b) M.Sc. thesis

Candice Wakulich (1996)
Sami Qutab (1997)

VII. Publications

A) Books and other works

1. Granger, D.N., J.A. Barrowman and P.R. Kvietys (**authors**). Clinical Gastrointestinal Physiology, Saunders, Philadelphia, 1985.
2. Kvietys, P.R., J.A. Barrowman and D.N. Granger (**editors**). The Pathophysiology of the Splanchnic Circulation Vol I and Vol II, CRC Press, Boca Ratan, 1987.
3. Kvietys, P.R. and D.N. Granger. (**authors**) Undergraduate Teaching Project. The Splanchnic Circulation: Physiology and Pathophysiology, American Gastroenterological Association, 2000.
4. Kvietys, P.R. (**author**) Gastrointestinal Circulation. E-book. Morgan & Claypool Life Sciences Publishers, 2010.
5. Kvietys, P.R. and Yaqinuddin A. (**authors**) Gastrointestinal Mucosal Injury and Repair. E-book. Morgan & Claypool Life Sciences Publishers (in preparation).

B) Chapters in Books

1. Taylor, A.E., F. Grimbert, G. Rutili, P.R. Kvietys and J.C. Parker. Pulmonary Edema: Changes in Starling Forces and Lymph Flow. In: Tissue Fluid Pressure and Composition. A. Hargens, Ed. Baltimore, Williams and Wilkins, 1981, p. 135-143.
2. Granger, D.N., N.A. Mortillaro, P.R. Kvietys and A.E. Taylor. Regulation of intestinal fluid volume in the small bowel. In: Tissue Fluid Pressure and Composition. G. Hargens, ed. Baltimore, Williams and Wilkins, 1981, p. 173-183.
3. Chou, C.C. and P.R. Kvietys. Physiological and pharmacological alterations in gastrointestinal blood flow. In: Measurement of Splanchnic Blood Flow. D.N. Granger and G.B. Bulkley, eds. Baltimore, Williams and Wilkins, 1981, p. 475-509.
4. Kvietys, P.R., J.A. Barrowman and D.N. Granger. The effects of anesthetics and experimental conditions on splanchnic blood flow. In: Measurement of Splanchnic Blood Flow. D.N. Granger and G.B. Bulkley, eds. Baltimore, Williams and Wilkins, 1981, p. 57-65.
5. Kvietys, P.R. and D.N. Granger. Role of the microcirculation in intestinal transmucosal fluid transport. In: Microcirculation of the Alimentary Tract - Physiology and Pathophysiology. A. Koo, ed. World Scientific Publ., Singapore, p. 241-252, 1983.
6. Granger, D.N., M.A. Perry, P.R. Kvietys, D.A. Parks and J.N. Benoit. Metabolic, myogenic and hormonal factors in local regulation of alimentary tract blood flow. In: Microcirculation of the Alimentary Tract - Physiology and Pathology. A. Koo, ed. World Scientific Publ., Singapore, p. 131-142, 1983.
7. Granger, D.N. and P.R. Kvietys. Lymphatics of the small and large intestines. In: Blood Vessels and Lymphatics in Organ Systems, D.I. Abramson and P.B. Dobrin, eds., Academic Press, New York, Chapt. 12, pp. 450-458, 1984.
8. Kvietys, P.R. The microcirculation of the large intestine. In: The Physiology and Pharmacology of the Microcirculation. N.A. Mortillaro, editor. Academic Press, Orlando, Chapt. 4, pp. 77-94, 1984.
9. Kvietys, P.R. and D.N. Granger. The physiology, pharmacology, and pathophysiology of the

- colonic circulation. In: Physiology of the Intestinal Circulation. A.P. Shepherd and D.N. Granger, editors, Raven Press, p. 131-142, 1984.
10. Kvietys, P.R., W.G. Patterson and D.N. Granger. Intrinsic and extrinsic regulation of the pancreatic microcirculation. In: Progress in Microcirculation Research II. F.C. Courtice, D.G. Garlick, and M.A. Perry, editors. Sidney, Committee in Postgraduate Medical Education, University of New South Wales, 1984, p. 243-252.
 11. Barrowman, J.A., P. Tso, P.R. Kvietys and D.N. Granger. Gastrointestinal lymph and lymphatics. In: Biology of the Lymphatic Circulation. M. Johnston, ed., Elsevier, Holland, pp. 327-354, 1985.
 12. Granger, D.N., P.R. Kvietys, M.A. Perry, and J.A. Barrowman. The microcirculation and intestinal transport. In: Physiology of the Gastrointestinal Tract (L.R. Johnson, ed.) Raven Press, New York, 1987, p. 1671-1697.
 13. Perry, M.A., J.L. Ardell, J.A. Barrowman, and P.R. Kvietys. Physiology of the splanchnic circulation. In: The Pathophysiology of the Splanchnic Circulation (P.R. Kvietys, J.A. Barrowman, and D.N. Granger, eds.) CRC Press, Boca Ratan, 1987, p. 1-56.
 14. Kvietys, P.R., S.M. Smith, and M.A. Hollwarth. Effects of motor activity on blood flow. In: Relationships between intestinal motility and epithelial transport. N.W. Read, editor, Janssen Pharmaceuticals, Sheffield, England, 1987; pp.179-189.
 15. Kvietys, P.R., S.M. Smith, M.B. Grisham, and D.Neil Granger. Role of xanthine oxidase and neutrophils in ischemia/reperfusion injury to the gastric mucosa. In: Microcirculation, Vol. I. (M. Tsuchiya, M.Asano, Y. Mishima, M. Oda, Eds) Elsevier, Amsterdam, 1987, pp.651-654.
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