University of North Texas Health Science Center
UNTHSC Scholarly Repository

Bibliography of Publications | Gibson D. Lewis Health Science Library

1999

1999 Faculty Bibliography of Publications

Marylouise Lindsey

Tim Mason

Follow this and additional works at: http://digitalcommons.hsc.unt.edu/facbib

Recommended Citation
Lindsey, Marylouise and Mason, Tim, "1999 Faculty Bibliography of Publications" (1999). *Bibliography of Publications.* Paper 9.
http://digitalcommons.hsc.unt.edu/facbib/9

This Article is brought to you for free and open access by the Gibson D. Lewis Health Science Library at UNTHSC Scholarly Repository. It has been accepted for inclusion in Bibliography of Publications by an authorized administrator of UNTHSC Scholarly Repository. For more information, please contact Tom.Lyons@unthsc.edu.

1999 Bibliography of Publications

Compiled and edited by

Tim Mason, M.L.S.
Technical Services Librarian
and
Marylouise Lindsey
Senior Library Technician

Gibson D. Lewis Health Science Library
University of North Texas Health Science Center at Fort Worth

June 2000

Table of Contents

Introduction **iii**

Division of Basic Sciences **1**

Anatomy and Cell Biology 1
Integrative Physiology 9
Molecular Biology and Immunology 18
Pharmacology 28

Division of Clinical Sciences **41**

Clinical Research 41
Family Medicine 41
Internal Medicine 42
Manipulative Medicine 47
Medical Education 47
Medical Humanities 48
Pathology 49
Public Health and Preventive Medicine 49
Psychiatry and Human Behavior 49
Radiology 50
Surgery 50

School of Public Health **53**

Students **55**

Graduate School of Biomedical Sciences 55
School of Public Health 65
Texas College of Osteopathic Medicine 65

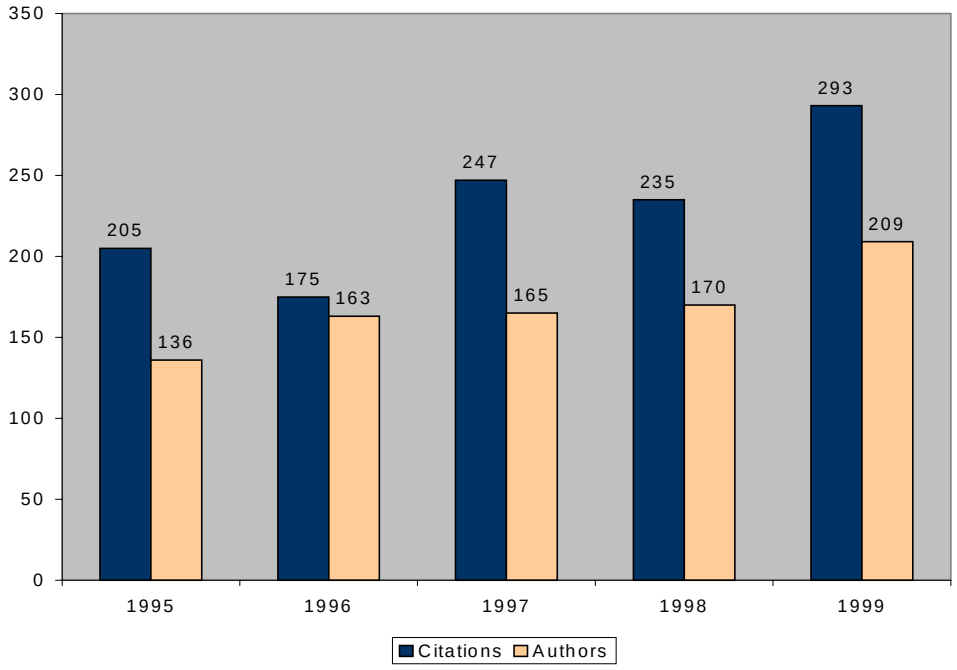
Author Index **67**

Introduction

The 1999 Bibliography of Publications cites journal articles, books, book chapters, editorial letters, published abstracts, book reviews, and web sites published by 209 authors under the auspices of the University of North Texas Health Science Center at Fort Worth during the calendar year. The accuracy of references has been verified. This 1999 bibliography, containing 293 unique citations, provides a comprehensive listing of the publications of faculty, staff, and students; and an overview of their accomplishments and research interests. We have also included eight citations from 1998 which were inadvertently omitted from last year's bibliography.

Entries are grouped by division, then by department, and arranged alphabetically by author within each department. This year we include a section for the new School of Public Health, and there are separate sections for students of the Graduate School of Biomedical Sciences, the School of Public Health, and the Texas College of Osteopathic Medicine. For collaborative works, the entry is cited under each author. The format used to cite publications follows the style established by the National Library of Medicine.

This year, as last, the bibliography is also available in electronic format on the Gibson D. Lewis Health Science Library's web site.



Division of Basic Sciences

Anatomy and Cell Biology

Neeraj Agarwal, Ph.D.
Associate Professor

Agarwal N, Krishnamoorthy RR, Prasanna G, Pang I-H, Wordinger RJ, Yorio T. **Characterization of a putative clonal retinal ganglion cell line from transformed mixed retinal cells [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S763.

Agarwal R, Lambert W, Agarwal N, Seiler J, Clark AF. **Effects of dexamethasone (DEX) on growth factor and neurotrophin mRNA expression by cultured human trabecular meshwork cells [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S667.

Agarwal R, Talati M, Lambert W, Clark AF, Wilson SE, Agarwal N, Wordinger RJ. **Fas-activated apoptosis and apoptosis mediators in human trabecular meshwork cells.** Experimental Eye Research 1999 May;68(5):583-90.

Krishnamoorthy RR, Crawford MJ, Al-Ubaidi MR, Agarwal N. **Nuclear transcription factor NF-6B regulates photo-oxidative stress induced apoptosis of mouse cultured photoreceptor cells [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S595.

Krishnamoorthy RR, Crawford MJ, Chaturvedi MM, Jain SK, Aggarwal BB, Al-Ubaidi MR, Agarwal N. **Photo-oxidative stress down-modulates the activity of nuclear factor-kappaB via involvement of caspase-1, leading to apoptosis of photoreceptor cells.** Journal of Biological Chemistry 1999 Feb 5;274(6):3734-43.

Liu JJ, Xue Y, Agarwal N, Roque RS. **Human Müller cells express VEGF183, a novel spliced variant of vascular endothelial growth factor.** Investigative Ophthalmology and Visual Science 1999 Mar;40(3):752-9.

Roque RS, Rosales AA, Liu JJ, Agarwal N, Al-Ubaidi MR. **Retina-derived microglial cells induce photoreceptor cell death in vitro.** Brain Research 1999 Jul 31;836(1-2):110-9.

Sheedlo HJ, Krishnamoorthy RR, Nelson TH, Agarwal N, Liu JJ, Roque RS, Wordinger RJ, Jaynes CD, Brun-Zinkernagel AM, O'Brian P, Aschenbrenner JE, Turner JE. **Retina-derived fetuin (RDF): analysis by immunocytochemistry, reverse transcriptase-polymerase chain reaction and Southern blot.** Current Eye Research 1999 Dec;19(6):465-71.

Turner JE, Sheedlo HJ, Nelson TH, Krishnamoorthy RR, Doan V, Agarwal N. **RPE-retina trophic factor (RPE-RTF) protects photoreceptor cells from apoptotic cell death [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S160.

Rajnee Agarwal
Senior Research Assistant

Agarwal R, Lambert W, Agarwal N, Seiler J, Clark AF. **Effects of dexamethasone (DEX) on growth factor and neurotrophin mRNA expression by cultured human trabecular meshwork cells [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S667.

Agarwal R, Talati M, Lambert W, Clark AF, Wilson SE, Agarwal N, Wordinger RJ. **Fas-activated apoptosis and apoptosis mediators in human trabecular meshwork cells.** Experimental Eye Research 1999 May;68(5):583-90.

Lambert W, Agarwal R, Clark AF, Wordinger RJ. **Secretion of neurotrophins by cells of the human optic nerve head [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S673.

Liu X, Talati M, Lambert W, Agarwal R, Clark AF, Wordinger RJ. **Expression of ciliary neurotrophic factor (CNTF), glial derived neurotrophic factor (GDNF) and their receptors by cells of the human optic nerve head [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S673.

Wordinger RJ, Agarwal R, Lambert W, Talati M, Cross W, Clark AF. **The expression of ciliary neurotrophic factor (CNTF), glial derived neurotrophic factor (GDNF) and their receptors by human trabecular meshwork (TM) cells and tissues [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S504.

Wordinger RJ, Clark AF, Agarwal R, Lambert W, Wilson SE. **Expression of alternatively spliced growth factor receptor isoforms in the human trabecular meshwork.** Investigative Ophthalmology and Visual Science 1999 Jan;40(1):242-7.

John E. Aschenbrenner, Ph.D.
Associate Professor

Barker DJ, Aschenbrenner JE, Orr EL, Turner JE, Barron BA, Forster MJ, Garner MH, McIntosh WE, Smith GH. **Integrating multimedia and case presentations in a first year medical neuroscience course [Abstract].** Abstracts - Society for Neuroscience 1999;25(pt.1):267.

Sheedlo HJ, Krishnamoorthy RR, Nelson TH, Agarwal N, Liu JJ, Roque RS, Wordinger RJ, Jaynes CD, Brun-Zinkernagel AM, O'Brian P, Aschenbrenner JE, Turner JE. **Retina-derived fetuin (RDF): analysis by immunocytochemistry, reverse transcriptase-polymerase chain reaction and Southern blot.** Current Eye Research 1999 Dec;19(6):465-71.

Clifton H. Beasley, M.D.
Adjunct Associate Professor

Santos CI, Zeiter JH, Speaker MG, Beasley CH, DeFaller JM, Clark AF. **Efficacy and safety of topical 1% anecortave acetate (AL-3789) as anti-neovascular therapy for recurrent pterygium [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S335.

Anne Marie Brun-Zinkernagel
Research Associate

Chaitin MH, Krishnamoorthy RR, Brun-Zinkernagel AM, Zhang S. **Expression of RHAMM in the retina and RPE [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S925.

Krueger KA, Ings EI, Brun-Zinkernagel AM, Landt M, Easom RA. **Site-specific phosphorylation of synapsin I by Ca^{2+}/calmodulin-dependent protein kinase II in pancreatic betaTC3 cells: synapsin I is not associated with insulin secretory granules.** Diabetes 1999 Mar;48(3):499-506.

Liu JJ, Song Y, Brun-Zinkernagel AM, Roque RS. **The availability and mitogenic activity of VEGF183 require heparin or proteolytic cleavage from cell-surface sites [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S574.

Rudick VL, Brun-Zinkernagel AM, Westbrook M, Dory L. **Regulation of apolipoprotein E secretion in mouse macrophages: effect of HDL [Abstract].** FASEB Journal 1999 Mar 12;13(4):A177.

Sheedlo HJ, Krishnamoorthy RR, Nelson TH, Agarwal N, Liu JJ, Roque RS, Wordinger RJ, Jaynes CD, Brun-Zinkernagel AM, O'Brian P, Aschenbrenner JE, Turner JE. **Retina-derived fetuin (RDF): analysis by immunocytochemistry, reverse transcriptase-polymerase chain reaction and Southern blot.** Current Eye Research 1999 Dec;19(6):465-71.

Patrick R. Cammarata, Ph.D.
Professor

Cammarata PR. **A transgenic animal model of osmotic cataract [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S878.

Cammarata PR, Zhou C, Chen G, Singh I, Reeves RE, Kuszak JR, Robinson ML. **A transgenic animal model of osmotic cataract. Part 1: over-expression of bovine Na+/myo-inositol cotransporter in lens fibers.** Investigative Ophthalmology and Visual Science 1999 Jul;40(8):1727-37.

Cammarata PR, Zhou C, Singh I, Reeves RE, Robinson ML, Raven PB, sponsor. **Transgenic animal model of osmotic cataract [Abstract].** FASEB Journal 1999 Mar 12;13(4):A342.

Jiang ZR, Zhou C, Cammarata PR, Chung SSM. **Overexpression of Na+-dependent myo-inositol transporter gene in mouse lens lead to congenital cataract [Abstract].** FASEB Journal 1999 Mar 12;13(4):A381.

Zhou C, Cammarata PR. **Characterization of the minimal osmotic response element of the *Bovine* Na^+/myo-inositol cotransporter gene [Letter].** Experimental Eye Research 1999 Jan;68(1):137-42.

Michael H. Chaitin, Ph.D.
Associate Professor

Chaitin MH, Krishnamoorthy RR, Brun-Zinkernagel AM, Zhang S. **Expression of RHAMM in the retina and RPE [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S925.

Robert J. Collier, Ph.D.
Adjunct Assistant Professor

Bullard LE, Rajaratnam VS, Collier RJ, Clark AF, Penn JS. **Evidence that AL-3789 inhibits retinal neovascularization in an animal model of ROP by inducing retinal PAI-1 [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S619.

Collier RJ, Martin EA, Landers R, Lin M, Parker S, Kapin MA. **Prevention of photic induced retinal injury by Eliprodil [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S159.

Margaret H. Garner, Ph.D.
Associate Professor

Barker DJ, Aschenbrenner JE, Orr EL, Turner JE, Barron BA, Forster MJ, Garner MH, McIntosh WE, Smith GH. **Integrating multimedia and case presentations in a first year medical neuroscience course [Abstract].** Abstracts - Society for Neuroscience 1999;25(pt.1):267.

Garner MH, Kong Y. **Lens epithelium and fiber Na,K-ATPases: distribution and localization by immunocytochemistry.** Investigative Ophthalmology and Visual Science 1999 Sep;40(10):2291-8.

Matthews J, Payne DM, Garner MH. **A study of Na, K-ATPase in lens cells using a novel compound - Texas Red®-Ouabain [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S882.

Ong MD, Garner MH. **Differentiation of bovine lens epithelial cells into lens fiber cells by serum-starvation in vitro cultures [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S517.

Raghu R. Krishnamoorthy, Ph.D.
Postdoctoral Research Associate

Agarwal N, Krishnamoorthy RR, Prasanna G, Pang I-H, Wordinger RJ, Yorio T. **Characterization of a putative clonal retinal ganglion cell line from transformed mixed retinal cells [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S763.

Chaitin MH, Krishnamoorthy RR, Brun-Zinkernagel AM, Zhang S. **Expression of RHAMM in the retina and RPE [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S925.

Krishnamoorthy RR, Crawford MJ, Al-Ubaidi MR, Agarwal N. **Nuclear transcription factor NF-6B regulates photo-oxidative stress induced apoptosis of mouse cultured photoreceptor cells [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S595.

Krishnamoorthy RR, Crawford MJ, Chaturvedi MM, Jain SK, Aggarwal BB, Al-Ubaidi MR, Agarwal N. **Photo-oxidative stress down-modulates the activity of nuclear factor-kappaB via involvement of caspase-1, leading to apoptosis of photoreceptor cells.** Journal of Biological Chemistry 1999 Feb 5;274(6):3734-43.

Sheedlo HJ, Krishnamoorthy RR, Nelson TH, Agarwal N, Liu JJ, Roque RS, Wordinger RJ, Jaynes CD, Brun-Zinkernagel AM, O'Brian P, Aschenbrenner JE, Turner JE. **Retina-derived fetuin (RDF): analysis by immunocytochemistry, reverse transcriptase-polymerase chain reaction and Southern blot.** Current Eye Research 1999 Dec;19(6):465-71.

Turner JE, Sheedlo HJ, Nelson TH, Krishnamoorthy RR, Doan V, Agarwal N. **RPE-retina trophic factor (RPE-RTF) protects photoreceptor cells from apoptotic cell death [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S160.

Jing-Jing Liu, Ph.D.
Postdoctoral Research Fellow

Liu JJ, Song Y, Brun-Zinkernagel AM, Roque RS. **The availability and mitogenic activity of VEGF183 require heparin or proteolytic cleavage from cell-surface sites [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S574.

Liu JJ, Xue Y, Agarwal N, Roque RS. **Human Müller cells express VEGF183, a novel spliced variant of vascular endothelial growth factor.** Investigative Ophthalmology and Visual Science 1999 Mar;40(3):752-9.

Roque RS, Oakford LX, Liu JJ. **Release of biologically active VEGF by urokinase involves its exon 7-encoded domain [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S616.

Roque RS, Rosales AA, Liu JJ, Agarwal N, Al-Ubaidi MR. **Retina-derived microglial cells induce photoreceptor cell death in vitro.** Brain Research 1999 Jul 31;836(1-2):110-9.

Sheedlo HJ, Krishnamoorthy RR, Nelson TH, Agarwal N, Liu JJ, Roque RS, Wordinger RJ, Jaynes CD, Brun-Zinkernagel AM, O'Brian P, Aschenbrenner JE, Turner JE. **Retina-derived fetuin (RDF): analysis by immunocytochemistry, reverse transcriptase-polymerase chain reaction and Southern blot.** Current Eye Research 1999 Dec;19(6):465-71.

G. Philip Matthews, M.D., Ph.D.
Adjunct Associate Professor

May DR, Kuhn FP, Morris R, Witherspoon CD, Matthews GP, Mann L. **An update of the epidemiology of serious eye injuries from the United States Eye Injury Registry [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S989.

Mitchell D. McCartney, Ph.D.
Adjunct Assistant Professor

Pang I-H, McCartney MD, Smith RS, John SW, Clark AF. **Age-dependent changes in ocular morphology of a spontaneous ocular hypertensive mouse strain (DBA/2J) [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S671.

Tammy H. Nelson
Research Associate

Nelson TH, Sheedlo HJ, Turner JE. **The antibody to RPE-retina trophic factor (RPE-RTF) inhibits neonatal rat photoreceptors cell maturation [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S458.

Sheedlo HJ, Krishnamoorthy RR, Nelson TH, Agarwal N, Liu JJ, Roque RS, Wordinger RJ, Jaynes CD, Brun-Zinkernagel AM, O'Brian P, Aschenbrenner JE, Turner JE. **Retina-derived fetuin (RDF): analysis by immunocytochemistry, reverse transcriptase-polymerase chain reaction and Southern blot.** Current Eye Research 1999 Dec;19(6):465-71.

Sheedlo HJ, Nelson TH, Turner JE. **A novel protease inhibitor (RPE-RTF) is temporally regulated in the retina [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S159.

Turner JE, Sheedlo HJ, Nelson TH, Krishnamoorthy RR, Doan V, Agarwal N. **RPE-retina trophic factor (RPE-RTF) protects photoreceptor cells from apoptotic cell death [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S160.

Lawrence X. Oakford, Ph.D.
Technical Manager of MCS

Roque RS, Oakford LX, Liu JJ. **Release of biologically active VEGF by urokinase involves its exon 7-encoded domain [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S616.

Edward L. Orr, Ph.D.
Associate Professor

Barker DJ, Aschenbrenner JE, Orr EL, Turner JE, Barron BA, Forster MJ, Garner MH, McIntosh WE, Smith GH. **Integrating multimedia and case presentations in a first year medical neuroscience course [Abstract].** Abstracts - Society for Neuroscience 1999;25(pt.1):267.

D. Michael Payne, Ph.D.
Research Associate Professor

Matthews J, Payne DM, Garner MH. **A study of Na, K-ATPase in lens cells using a novel compound - Texas Red®-Ouabain [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S882.

Zarate DD, Lovell RT, Payne DM. **Effects of feeding frequency and rate of stomach evacuation on utilization of dietary free and protein-bound lysine for growth by channel catfish (*Ictalurus punctatus*).** Aquaculture Nutrition 1999 May;5(1):17-22.

Rusty E. Reeves, Ph.D.
Instructor

Cammarata PR, Zhou C, Chen G, Singh I, Reeves RE, Kuszak JR, Robinson ML. **A transgenic animal model of osmotic cataract. Part 1: over-expression of bovine Na+/myo-inositol cotransporter in lens fibers.** Investigative Ophthalmology and Visual Science 1999 Jul;40(8):1727-37.

Cammarata PR, Zhou C, Singh I, Reeves RE, Robinson ML, Raven PB, sponsor. **Transgenic animal model of osmotic cataract [Abstract].** FASEB Journal 1999 Mar 12;13(4):A342.

Rouel S. Roque, M.D.
Associate Professor

Liu JJ, Song Y, Brun-Zinkernagel AM, Roque RS. **The availability and mitogenic activity of VEGF183 require heparin or proteolytic cleavage from cell-surface sites [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S574.

Liu JJ, Xue Y, Agarwal N, Roque RS. **Human Müller cells express VEGF183, a novel spliced variant of vascular endothelial growth factor.** Investigative Ophthalmology and Visual Science 1999 Mar;40(3):752-9.

Roque RS, Oakford LX, Liu JJ. **Release of biologically active VEGF by urokinase involves its exon 7-encoded domain [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S616.

Roque RS, Rosales AA, Liu JJ, Agarwal N, Al-Ubaidi MR. **Retina-derived microglial cells induce photoreceptor cell death in vitro.** Brain Research 1999 Jul 31;836(1-2):110-9.

Sheedlo HJ, Krishnamoorthy RR, Nelson TH, Agarwal N, Liu JJ, Roque RS, Wordinger RJ, Jaynes CD, Brun-Zinkernagel AM, O'Brian P, Aschenbrenner JE, Turner JE. **Retina-derived fetuin (RDF): analysis by immunocytochemistry, reverse transcriptase-polymerase chain reaction and Southern blot.** Current Eye Research 1999 Dec;19(6):465-71.

Victoria L. Rudick, Ph.D.
Associate Professor and Vice Chair

Rudick VL, Brun-Zinkernagel AM, Westbrook M, Dory L. **Regulation of apolipoprotein E secretion in mouse macrophages: effect of HDL [Abstract].** FASEB Journal 1999 Mar 12;13(4):A177.

Harold J. Sheedlo, Ph.D.
Research Assistant Professor

Lin N, Chalam KV, Tripathi RC, Chen B, Sheedlo HJ, Turner JE. **Apoptosis of photoreceptor cells in Fischer 344 rats [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S228.

Nelson TH, Sheedlo HJ, Turner JE. **The antibody to RPE-retina trophic factor (RPE-RTF) inhibits neonatal rat photoreceptors cell maturation [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S458.

Sheedlo HJ, Krishnamoorthy RR, Nelson TH, Agarwal N, Liu JJ, Roque RS, Wordinger RJ, Jaynes CD, Brun-Zinkernagel AM, O'Brian P, Aschenbrenner JE, Turner JE. **Retina-derived fetuin (RDF): analysis by immunocytochemistry, reverse transcriptase-polymerase chain reaction and Southern blot.** Current Eye Research 1999 Dec;19(6):465-71.

Sheedlo HJ, Nelson TH, Turner JE. **A novel protease inhibitor (RPE-RTF) is temporally regulated in the retina [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S159.

Turner JE, Sheedlo HJ, Nelson TH, Krishnamoorthy RR, Doan V, Agarwal N. **RPE-retina trophic factor (RPE-RTF) protects photoreceptor cells from apoptotic cell death [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S160.

James E. Turner, Ph.D.
Professor and Chair

Barker DJ, Aschenbrenner JE, Orr EL, Turner JE, Barron BA, Forster MJ, Garner MH, McIntosh WE, Smith GH. **Integrating multimedia and case presentations in a first year medical neuroscience course [Abstract].** Abstracts - Society for Neuroscience 1999;25(pt.1):267.

Lin N, Chalam KV, Tripathi RC, Chen B, Sheedlo HJ, Turner JE. **Apoptosis of photoreceptor cells in Fischer 344 rats [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S228.

Nelson TH, Sheedlo HJ, Turner JE. **The antibody to RPE-retina trophic factor (RPE-RTF) inhibits neonatal rat photoreceptors cell maturation [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S458.

Sheedlo HJ, Krishnamoorthy RR, Nelson TH, Agarwal N, Liu JJ, Roque RS, Wordinger RJ, Jaynes CD, Brun-Zinkernagel AM, O'Brian P, Aschenbrenner JE, Turner JE. **Retina-derived fetuin (RDF): analysis by immunocytochemistry, reverse transcriptase-polymerase chain reaction and Southern blot.** Current Eye Research 1999 Dec;19(6):465-71.

Sheedlo HJ, Nelson TH, Turner JE. **A novel protease inhibitor (RPE-RTF) is temporally regulated in the retina [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S159.

Turner JE, Sheedlo HJ, Nelson TH, Krishnamoorthy RR, Doan V, Agarwal N. **RPE-retina trophic factor (RPE-RTF) protects photoreceptor cells from apoptotic cell death [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S160.

Robert J. Wordinger, Ph.D.
Associate Professor

Agarwal N, Krishnamoorthy RR, Prasanna G, Pang I-H, Wordinger RJ, Yorio T. **Characterization of a putative clonal retinal ganglion cell line from transformed mixed retinal cells [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S763.

Agarwal R, Talati M, Lambert W, Clark AF, Wilson SE, Agarwal N, Wordinger RJ. **Fas-activated apoptosis and apoptosis mediators in human trabecular meshwork cells.** Experimental Eye Research 1999 May;68(5):583-90.

Lambert W, Agarwal R, Clark AF, Wordinger RJ. **Secretion of neurotrophins by cells of the human optic nerve head [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S673.

Liu X, Talati M, Lambert W, Agarwal R, Clark AF, Wordinger RJ. **Expression of ciliary neurotrophic factor (CNTF), glial derived neurotrophic factor (GDNF) and their receptors by cells of the human optic nerve head [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S673.

Sheedlo HJ, Krishnamoorthy RR, Nelson TH, Agarwal N, Liu JJ, Roque RS, Wordinger RJ, Jaynes CD, Brun-Zinkernagel AM, O'Brian P, Aschenbrenner JE, Turner JE. **Retina-derived fetuin (RDF): analysis by immunocytochemistry, reverse transcriptase-polymerase chain reaction and Southern blot.** Current Eye Research 1999 Dec;19(6):465-71.

Wordinger RJ, Agarwal R, Lambert W, Talati M, Cross W, Clark AF. **The expression of ciliary neurotrophic factor (CNTF), glial derived neurotrophic factor (GDNF) and their receptors by human trabecular meshwork (TM) cells and tissues [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S504.

Wordinger RJ, Clark AF. **Effects of glucocorticoids on the trabecular meshwork: towards a better understanding of glaucoma.** Progress in Retinal and Eye Research 1999 Sep;18(5):629-67.

Wordinger RJ, Clark AF, Agarwal R, Lambert W, Wilson SE. **Expression of alternatively spliced growth factor receptor isoforms in the human trabecular meshwork.** Investigative Ophthalmology and Visual Science 1999 Jan;40(1):242-7.

Integrative Physiology

Tony G. Babb, Ph.D.
Adjunct Assistant Professor

DeLorey DS, Birkley BL, Palumbo PS, Babb TG. **Resistive unloading in older men and women with mild chronic airflow limitation [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S220.

David J. Barker, Ph.D.
Associate Professor

Barker DJ, Aschenbrenner JE, Orr EL, Turner JE, Barron BA, Forster MJ, Garner MH, McIntosh WE, Smith GH. **Integrating multimedia and case presentations in a first year medical neuroscience course [Abstract].** Abstracts - Society for Neuroscience 1999;25(pt.1):267.

Barbara A. Barron, Ph.D.
Associate Professor

Barker DJ, Aschenbrenner JE, Orr EL, Turner JE, Barron BA, Forster MJ, Garner MH, McIntosh WE, Smith GH. **Integrating multimedia and case presentations in a first year medical neuroscience course [Abstract].** Abstracts - Society for Neuroscience 1999;25(pt.1):267.

Barron BA. **Opioid peptides and the heart [Editorial].** Cardiovascular Research 1999 Jul;43(1):13-6.

Napier LD, Roerig SC, Yoshishige DA, Barron BA, Caffrey JL. **Canine cardiac muscarinic receptors, G proteins, and adenylate cyclase after long-term morphine.** Journal of Pharmacology and Experimental Therapeutics 1999 Nov;291(2):725-32.

Xiaoming Bian, M.D., Ph.D.
Research Assistant Professor

Bian X, Downey HF. **Decreasing ventricular systolic stiffness improves function and lessens oxygen demand of stunned myocardium [Abstract].** FASEB Journal 1999 Mar 15;13(5):A1085.

Bian X, Downey HF. **Right coronary pressure modulates right ventricular systolic stiffness and oxygen consumption.** Cardiovascular Research 1999 Apr;42(1):80-6.

Bian X, Hart BJ, Williams AG, Jr, Downey HF. **A method for collecting right coronary venous blood samples from conscious dogs.** American Journal of Physiology 1999 Mar;276(3 pt. 2):H1086-90.

Hart BJ, Bian X, Mallet RT, Downey HF. **The effects of hyperlipidemia and hypoglycemia on myocardial contractile function and oxygen utilization during coronary hypoperfusion [Abstract].** FASEB Journal 1999 Mar 15;13(5):A765.

Hart BJ, Bian X, Mallet RT, Downey HF. **Hyperlipidemia with hypoglycemia reduces myocardial oxygen utilization efficiency but not contractile function during coronary hypoperfusion [Abstract].** Proceedings of the Society for Experimental Biology and Medicine 1999 Jul;221(3):268.

Hart BJ, Bian X, Williams AG Jr, Downey HF. **A method for producing regional hypoglycemia in blood perfused tissue.** Molecular and Cellular Biochemistry 1999 Oct;200(1-2):177-81.

Hart BJ, Bian X, Williams AG Jr, Downey HF. **A method for producing regional hypoglycemia in blood perfused tissue [Abstract].** FASEB Journal 1999 Mar 12;13(4):A79.

Setty S, Bian X, Hart BJ, Williams AG, Jr, Downey HF, Cantrell ET. **Simultaneous abdominal and chest compressions improve carotid blood flow, aortic pressure during CPR in swine [Abstract].** Journal of the American Osteopathic Association 1999 Aug;99(8):429.

Setty S, Bian X, Hart BJ, Williams AG, Jr, Tkatchouk E, Downey HF. **One session of whole body hypoxia does not protect myocardium from ischemia [Abstract].** Journal of Molecular and Cellular Cardiology 1999 May;31(5):A13.

Yi KD, Bian X, Fu M, Mallet RT, Downey HF. **Right ventricular function and phosphorylation potential are increased by dobutamine during moderate ischemia [Abstract].** Journal of Molecular and Cellular Cardiology 1999 May;31(5):A9.

James L. Caffrey, Ph.D.
Professor

Caffrey JL. **Enkephalin inhibits vagal control of heart rate, contractile force and coronary blood flow in the canine heart in vivo.** Journal of the Autonomic Nervous System 1999 May 28;76(2-3):75-82.

Farias M, Jackson KE, Stanfill A, Caffrey JL. **Prejunctional opiate receptors in the SA node moderate vagal bradycardia [Abstract].** FASEB Journal 1999 Mar 12;13(4):A453.

Jackson KE, Stanfill A, Farias M, Caffrey JL. **Delta opiate receptor antagonist blocks the vagolytic effect of MEAP in the SA node [Abstract].** FASEB Journal 1999 Mar 12;13(4):A453.

Napier LD, Roerig SC, Yoshishige DA, Barron BA, Caffrey JL. **Canine cardiac muscarinic receptors, G proteins, and adenylate cyclase after long-term morphine.** Journal of Pharmacology and Experimental Therapeutics 1999 Nov;291(2):725-32.

Stoll ST, Caffrey JL, Wright TJ. **Dermatomal somatosensory evoked potentials: evaluation of manipulative medicine in the treatment of cervical and lumbar radicular symptoms [Abstract].** Journal of the American Osteopathic Association 1999 Aug;99(8):428.

Tejero-Taldo MI, Caffrey JL, Sun J, Mallet RT. **Antioxidant properties of pyruvate mediate its potentiation of ∃-adrenergic inotropism in stunned myocardium.** Journal of Molecular and Cellular Cardiology 1999 Oct;31(10):1863-72.

Tejero-Taldo MI, Sun J, Caffrey JL, Mallet RT. **Antioxidant properties of pyruvate mediate its potentiation of ∃-adrenergic inotropism in stunned myocardium [Abstract].** Journal of Molecular and Cellular Cardiology 1999 May;31(5):A15.

Joan F. Carroll, Ph.D.
Research Instructor

Braden DS, Carroll JF. **Normative cardiovascular responses to exercise in children.** Pediatric Cardiology 1999 Jan/Feb;20(1):4-10.

Carroll JF. **Post-beta-receptor defect in isolated hearts of obese-hypertensive rabbits.** International Journal of Obesity and Related Metabolic Disorders 1999 Aug;23(8):863-6.

Carroll JF, Braden DS. **Cardiac structure in obese, exercise trained rabbits [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5):S149.

Carroll JF, Henegar L, Henegar JR. **Vascular remodeling in obesity-hypertension [Abstract].** FASEB Journal 1999 Mar 12;13(4):A115.

Carroll JF, Summers RL, Dzielak DJ, Cockrell K, Montani JP, Mizelle HL. **Diastolic compliance is reduced in obese rabbits.** Hypertension 1999 Mar;33(3):811-5.

Khalil RA, Crews JK, Carroll JF, Hall JE. **Enhanced vascular reactivity and Ca^{2+} entry with low-salt diet: effect of obesity.** Hypertension 1999 Oct;34(4 pt 2):882-8.

Khalil RA, Crews JK, Carroll JF, Hall JE. **Enhancement of Ca^{2+} entry mechanisms of arterial vasoconstriction with low salt diet effect of obesity [Abstract].** Hypertension 1999 Apr;33(4):1081.

H. Fred Downey, Ph.D.
Professor

Bian X, Downey HF. **Decreasing ventricular systolic stiffness improves function and lessens oxygen demand of stunned myocardium [Abstract].** FASEB Journal 1999 Mar 15;13(5):A1085.

Bian X, Downey HF. **Right coronary pressure modulates right ventricular systolic stiffness and oxygen consumption.** Cardiovascular Research 1999 Apr;42(1):80-6.

Bian X, Hart BJ, Williams AG, Jr, Downey HF. **A method for collecting right coronary venous blood samples from conscious dogs.** American Journal of Physiology 1999 Mar;276(3 pt. 2):H1086-90.

Hart BJ, Bian X, Mallet RT, Downey HF. **The effects of hyperlipidemia and hypoglycemia on myocardial contractile function and oxygen utilization during coronary hypoperfusion [Abstract].** FASEB Journal 1999 Mar 15;13(5):A765.

Hart BJ, Bian X, Mallet RT, Downey HF. **Hyperlipidemia with hypoglycemia reduces myocardial oxygen utilization efficiency but not contractile function during coronary hypoperfusion [Abstract].** Proceedings of the Society for Experimental Biology and Medicine 1999 Jul;221(3):268.

Hart BJ, Bian X, Williams AG Jr, Downey HF. **A method for producing regional hypoglycemia in blood perfused tissue.** Molecular and Cellular Biochemistry 1999 Oct;200(1-2):177-81.

Hart BJ, Bian X, Williams AG Jr, Downey HF. **A method for producing regional hypoglycemia in blood perfused tissue [Abstract].** FASEB Journal 1999 Mar 12;13(4):A79.

Setty S, Bian X, Hart BJ, Williams AG, Jr, Downey HF, Cantrell ET. **Simultaneous abdominal and chest compressions improve carotid blood flow, aortic pressure during CPR in swine [Abstract].** Journal of the American Osteopathic Association 1999 Aug;99(8):429.

Setty S, Bian X, Hart BJ, Williams AG, Jr, Tkatchouk E, Downey HF. **One session of whole body hypoxia does not protect myocardium from ischemia [Abstract].** Journal of Molecular and Cellular Cardiology 1999 May;31(5):A13.

Yi KD, Bian X, Fu M, Mallet RT, Downey HF. **Right ventricular function and phosphorylation potential are increased by dobutamine during moderate ischemia [Abstract].** Journal of Molecular and Cellular Cardiology 1999 May;31(5):A9.

Sondra L. England
Assistant to the Director, Cardiovascular Research Institute

Raven PB. and England SL. **Medicine and Science in Sports and Exercise.** Baltimore, Md.: Lippincott Williams & Wilkins. Vol. 31, 1999. Monthly.

Min Fu
Research Assistant

Yi KD, Bian X, Fu M, Mallet RT, Downey HF. **Right ventricular function and phosphorylation potential are increased by dobutamine during moderate ischemia [Abstract].** Journal of Molecular and Cellular Cardiology 1999 May;31(5):A9.

Stephen R. Grant, Ph.D.
Assistant Professor

Bai Y, Zeng H, Grant SR, Raven PB, sponsor. **Transcriptional regulation of hypertrophy-sensitive genes by an inducible calcineurin expression system [Abstract].** FASEB Journal 1999 Mar 15;13(5):A769.

Grant SR. **Dissecting the mechanisms of posttranscriptional gene silencing: divide and conquer.** Cell 1999 Feb 5;96(3):303-6.

Shirley JS, Grant SR, Raven PB. **Simulation of exercise in *in vitro* cultures [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S162.

Zeng H, Valencia TG, Bai Y, Grant SR, Raven PB, sponsor. **Calcium/calmodulin-dependent enzymes regulate cardiac hypertrophy-sensitive gene expression [Abstract].** FASEB Journal 1999 Mar 15;13(5):A769.

Patricia A. Gwirtz, Ph.D.
Professor

Kline GP, Williams MA, Gwirtz PA. **Renovascular hypertension reduces both endothelial-dependent and independent coronary vasodilation in conscious dogs [Abstract].** Journal of Molecular and Cellular Cardiology 1999 May;31(5):A25.

Stuewe SR, Gwirtz PA, Mallet RT. **Aerobic exercise training augments creatine kinase catalytic capacity in canine myocardium [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl.):S306.

Robert T. Mallet, Ph.D.
Associate Professor

Hart BJ, Bian X, Mallet RT, Downey HF. **The effects of hyperlipidemia and hypoglycemia on myocardial contractile function and oxygen utilization during coronary hypoperfusion [Abstract].** FASEB Journal 1999 Mar 15;13(5):A765.

Hart BJ, Bian X, Mallet RT, Downey HF. **Hyperlipidemia with hypoglycemia reduces myocardial oxygen utilization efficiency but not contractile function during coronary hypoperfusion [Abstract].** Proceedings of the Society for Experimental Biology and Medicine 1999 Jul;221(3):268.

Mallet RT, Sun J. **Mitochondrial metabolism of pyruvate is required for its enhancement of cardiac function and energetics.** Cardiovascular Research 1999 Apr;42(1):149-61.

Olvera DA, Tejero-Taldo MI, Sun J, Mallet RT. **Antioxidant mechanism of pyruvate potentiation of B-adrenergic inotropism of stunned myocardium [Abstract].** Proceedings of the Society for Experimental Biology and Medicine 1999 Jul;221(3):265.

Stuewe SR, Gwirtz PA, Mallet RT. **Aerobic exercise training augments creatine kinase catalytic capacity in canine myocardium [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl.):S306.

Tejero-Taldo MI, Caffrey JL, Sun J, Mallet RT. **Antioxidant properties of pyruvate mediate its potentiation of ∃-adrenergic inotropism in stunned myocardium.** Journal of Molecular and Cellular Cardiology 1999 Oct;31(10):1863-72.

Tejero-Taldo MI, Sun J, Caffrey JL, Mallet RT. **Antioxidant properties of pyruvate mediate its potentiation of ∃-adrenergic inotropism in stunned myocardium [Abstract].** Journal of Molecular and Cellular Cardiology 1999 May;31(5):A15.

Yi KD, Bian X, Fu M, Mallet RT, Downey HF. **Right ventricular function and phosphorylation potential are increased by dobutamine during moderate ischemia [Abstract].** Journal of Molecular and Cellular Cardiology 1999 May;31(5):A9.

Shigehiko Ogoh, Ph.D.
Postdoctoral Research Associate

Ogoh S, Tsuda K, Taguchi S. **[Morphological and enzymatic adaptation of skeletal muscle fibers in stroke-prone hypertensive rats to ACE inhibitors].** Nippon Seirigaku Zasshi. Journal of the Physiological Society of Japan 1999;61(7-8):295-304.

Peter B. Raven, Ph.D.
Professor and Chair

Bai Y, Zeng H, Grant SR, Raven PB, sponsor. **Transcriptional regulation of hypertrophy-sensitive genes by an inducible calcineurin expression system [Abstract].** FASEB Journal 1999 Mar 15;13(5):A769.

Cammarata PR, Zhou C, Singh I, Reeves RE, Robinson ML, Raven PB, sponsor. **Transgenic animal model of osmotic cataract [Abstract].** FASEB Journal 1999 Mar 12;13(4):A342.

Fadel PJ, Gallagher KM, Smith SA, Querry RG, Welch-O'Connor RM, Olivencia-Yurvati AH, Raven PB. **Role of chemical sensitive muscle receptors (CSMR) in the regulation of blood pressure and ventilation during dynamic exercise [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S226.

Gallagher KM, Querry RG, Smith SA, Stromstad M, Ide K, Secher NH, Saltin B, Raven PB. **Effects of partial neuromuscular blockade on carotid baroreflex function during dynamic exercise in humans [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S226.

Gallagher KM, Raven PB, Mitchell JH. **Classification of sports and the athlete's heart.** In: Williams RA, editor. The athlete and heart disease : diagnosis, evaluation & management. Philadelphia: Lippincott Williams & Wilkins; 1999. pp. 9-21.

Norton KH, Boushel R, Strange S, Saltin B, Raven PB. **Resetting of the carotid arterial baroreflex during dynamic exercise in humans.** Journal of Applied Physiology 1999 Jul;87(1):332-8.

Norton KH, Gallagher KM, Smith SA, Querry RG, Welch-O'Connor RM, Raven PB. **Carotid baroreflex function during prolonged exercise.** Journal of Applied Physiology 1999 Jul;87(1):339-47.

Querry RG, Gallagher KM, Smith SA, Stromstad M, Ide K, Secher NH, Saltin B, Raven PB. **Effects of partial neuromuscular blockade on carotid baroreflex function during static exercise in humans [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S225.

Querry RG, Smith SA, Stromstad M, Ide K, Raven PB, Secher NH. **Anatomical and transmission characteristics of carotid sinus stimulation during exercise in man [Abstract].** FASEB Journal 1999 Mar 15;13(5):A1048.

Raven, PB. **Sports medicine [Web Page]** 1999. In: Microsoft Encarta Online Encyclopedia 2000 http://encarta.msn.com/find/Concise.asp?z=1&pg=2&ti=01863000. [Accessed 11 Apr 2000].

Raven PB. and England SL. **Medicine and Science in Sports and Exercise.** Baltimore, Md.: Lippincott Williams & Wilkins. Vol. 31, 1999. Monthly.

Shirley JS, Grant SR, Raven PB. **Simulation of exercise in *in vitro* cultures [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S162.

Smith ML, Rowell LB, Pawelczyk JA, Raven PB, Levine BD. **Effect of exercise training on cardiovascular control mechanisms [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl.):S89.

Smith SA, Gallagher KM, Norton K H, Querry RG, Welch-O'Connor RM, Raven PB. **Ventilatory responses to dynamic exercise elicited by intramuscular sensors.** Medicine and Science in Sports and Exercise 1999 Feb;31(2):277-86.

Smith SA, Querry RG, Gallagher KM, Stromstad M, Ide K, Secher NH, Saltin B, Raven PB. **Epidural anesthesia and carotid baroreflex function during dynamic exercise in man [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S224.

Smith SA, Querry RG, Stromstad M, Ide K, Gallagher KM, Raven PB, Secher NH. **Carotid-cardiac baroreflex response to static exercise during epidural anesthesia in man [Abstract].** FASEB Journal 1999 Mar 15;13(5):A1047.

Watenpaugh DE, Raven PB. **Gender and heart rate regulation [Letter].** American Journal of Physiology 1999 Oct;277(4 pt. 2):R1246-7.

Williams MB, Raven PB, Ivy JL. **Effects of recovery drinks after prolonged glycogen-depletion exercise [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S124.

Wilson JR, Raven PB, Morgan WP. **Prediction of respiratory distress during maximal physical exercise: the role of trait anxiety.** American Industrial Hygiene Association Journal 1999 Jul-Aug;60(4):512-7.

Zeng H, Valencia TG, Bai Y, Grant SR, Raven PB, sponsor. **Calcium/calmodulin-dependent enzymes regulate cardiac hypertrophy-sensitive gene expression [Abstract].** FASEB Journal 1999 Mar 15;13(5):A769.

Xiangrong Shi, Ph.D.
Assistant Professor

Formes KJ, Wray DW, Welch-O'Connor RM, Olivencia-Yurvati AH, Reese IP, Shi X. **Atropine reduces the transfer function magnitude of systolic blood pressure (SBP) to pulse interval (PI) [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S197.

Wray DW, Formes KJ, Welch-O'Connor RM, Olivencia-Yurvati AH, Reese IP, Shi X. **Atropine diminishes the function of blood pressure (BP) regulation at the onset of orthostatic stress [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S337.

Michael L. Smith, Ph.D.
Associate Professor

Carter R, Watenpaugh DE, Wasmund SL, Wasmund WL, Muenter NK, Smith ML. **Attenuation of apnea-induced sympathoexcitation during periodic breathing efforts in sleep apneic patients [Abstract].** Physiologist 1999 Oct;42(5):A-10.

Carter R, Watenpaugh DE, Wasmund WL, Wasmund SL, Smith ML. **Muscle pump and central command during recovery from exercise in humans.** Journal of Applied Physiology 1999 Oct;87(4):1463-9.

Hamdan MH, Joglar JA, Page RL, Zagrodzky JD, Sheehan CJ, Wasmund SL, Smith ML. **Baroreflex gain predicts blood pressure recovery during simulated ventricular tachycardia in humans.** Circulation 1999 Jul 27;100(4):381-6.

Hamdan MH, Page RL, Sheehan CJ, Zagrodzky JD, Joglar JA, Wasmund SL, Smith ML. **Profound increases in sympathetic neural activity following AV junction ablation in patients with chronic atrial fibrillation [Abstract].** PACE. Pacing and Clinical Electrophysiology 1999 Apr;22(4, pt.2):725.

Hamdan MH, Zagrodzky JD, Page RL, Sheehan C, Wasmund SL, Joglar JA, Smith ML. **Biventricular pacing decreases sympathetic nerve activity in patients with congestive heart failure [Abstract].** Circulation 1999 Nov 2;100(18, suppl 1):I-636.

Page RL, Joglar JA, Hamdan MH, Wasmund SL, Zagrodzky JD, Sheehan CJ, Ramaswamy K, Smith ML. **Cardiac sympathetic activity increases as a function of ventricular ectopy [Abstract].** PACE. Pacing and Clinical Electrophysiology 1999 Apr;22(4, pt.2):731.

Sakowski B, Wasmund SL, Hamdan MH, Behbehani K, Smith ML. **How sympathetic neural activity is related to arterial pressure: insights from arrhythmias [Abstract].** Circulation 1999 Nov 2;100(18, suppl 1):I-135.

Smith ML, Joglar JA, Wasmund SL, Carlson MD, Welch PJ, Hamdan MH, Quan K, Page RL. **Reflex control of sympathetic activity during simulated ventricular tachycardia in humans.** Circulation 1999 Aug 10;100(6):628-34.

Smith ML, Rowell LB, Pawelczyk JA, Raven PB, Levine BD. **Effect of exercise training on cardiovascular control mechanisms [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl.):S89.

Watenpaugh DE, Muenter NK, Wasmund WL, Wasmund SL, Smith ML. **Post-apneic inhalation reverses apnea-induced sympathoexcitation before restoration of blood oxygen levels.** Sleep 1999 Jun 15;22(4):435-40.

Watenpaugh DE, Wasmund SL, Shirley JS, Wasmund WL, Martin MW, Muenter NK, Smith ML. **Sleep restriction and adrenergic responses to stress [Abstract].** Physiologist 1999 Oct;42(5):A-5.

Westerholm EC, Watenpaugh DE, Wasmund WL, Wasmund SL, Smith ML. **Interactive effects of mental and physical stress on cardiovascular control [Abstract].** FASEB Journal 1999 Mar 15;13(5):A1057.

Zagrodzky JD, Smith ML, Joglar JA, Wasmund SL, Sheehan CJ, Adamson MM. **P wave location during supraventricular tachycardia is a major determinant of hemodynamic and sympathetic neural response [Abstract].** PACE. Pacing and Clinical Electrophysiology 1999 Apr;22(4, pt.2):817.

Jie Sun
Senior Research Assistant

Mallet RT, Sun J. **Mitochondrial metabolism of pyruvate is required for its enhancement of cardiac function and energetics.** Cardiovascular Research 1999 Apr;42(1):149-61.

Olvera DA, Tejero-Taldo MI, Sun J, Mallet RT. **Antioxidant mechanism of pyruvate potentiation of B-adrenergic inotropism of stunned myocardium [Abstract].** Proceedings of the Society for Experimental Biology and Medicine 1999 Jul;221(3):265.

Tejero-Taldo MI, Caffrey JL, Sun J, Mallet RT. **Antioxidant properties of pyruvate mediate its potentiation of ∃-adrenergic inotropism in stunned myocardium.** Journal of Molecular and Cellular Cardiology 1999 Oct;31(10):1863-72.

Tejero-Taldo MI, Sun J, Caffrey JL, Mallet RT. **Antioxidant properties of pyruvate mediate its potentiation of ∃-adrenergic inotropism in stunned myocardium [Abstract].** Journal of Molecular and Cellular Cardiology 1999 May;31(5):A15.

Thomas G. Valencia
Research Assistant

Zeng H, Valencia TG, Bai Y, Grant SR, Raven PB, sponsor. **Calcium/calmodulin-dependent enzymes regulate cardiac hypertrophy-sensitive gene expression [Abstract].** FASEB Journal 1999 Mar 15;13(5):A769.

Wendy L. Wasmund
Research Assistant

Carter R, Watenpaugh DE, Wasmund SL, Wasmund WL, Muenter NK, Smith ML. **Attenuation of apnea-induced sympathoexcitation during periodic breathing efforts in sleep apneic patients [Abstract].** Physiologist 1999 Oct;42(5):A-10.

Carter R, Watenpaugh DE, Wasmund WL, Wasmund SL, Smith ML. **Muscle pump and central command during recovery from exercise in humans.** Journal of Applied Physiology 1999 Oct;87(4):1463-9.

Watenpaugh DE, Muenter NK, Wasmund WL, Wasmund SL, Smith ML. **Post-apneic inhalation reverses apnea-induced sympathoexcitation before restoration of blood oxygen levels.** Sleep 1999 Jun 15;22(4):435-40.

Watenpaugh DE, Wasmund SL, Shirley JS, Wasmund WL, Martin MW, Muenter NK, Smith ML. **Sleep restriction and adrenergic responses to stress [Abstract].** Physiologist 1999 Oct;42(5):A-5.

Westerholm EC, Watenpaugh DE, Wasmund WL, Wasmund SL, Smith ML. **Interactive effects of mental and physical stress on cardiovascular control [Abstract].** FASEB Journal 1999 Mar 15;13(5):A1057.

Donald E. Watenpaugh, Ph.D.
Research Assistant Professor

Carter R, Watenpaugh DE, Wasmund SL, Wasmund WL, Muenter NK, Smith ML. **Attenuation of apnea-induced sympathoexcitation during periodic breathing efforts in sleep apneic patients [Abstract].** Physiologist 1999 Oct;42(5):A-10.

Carter R, Watenpaugh DE, Wasmund WL, Wasmund SL, Smith ML. **Muscle pump and central command during recovery from exercise in humans.** Journal of Applied Physiology 1999 Oct;87(4):1463-9.

Pantalos G, Hart S, Mathias J, Sharp MK, Watenpaugh DE, Buckey J, Hargens AR. **Venous and esophageal pressure in humans during parabolic flight [Abstract].** FASEB Journal 1999 Mar 12;13(4):A108.

Watenpaugh DE, Ballard RS, Breit GA, Hargens AR. **Self-generated lower body negative pressure exercise.** Aviation Space and Environmental Medicine 1999 May;70(5):522-6.

Watenpaugh DE, Muenter NK, Wasmund WL, Wasmund SL, Smith ML. **Post-apneic inhalation reverses apnea-induced sympathoexcitation before restoration of blood oxygen levels.** Sleep 1999 Jun 15;22(4):435-40.

Watenpaugh DE, Raven PB. **Gender and heart rate regulation [Letter].** American Journal of Physiology 1999 Oct;277(4 pt. 2):R1246-7.

Watenpaugh DE, Schneider S, Ballard R, Lee S, Hutchinson K, William J, Ertl A, Boda W, Hargens AR. **Supine LBNP treadmill exercise reversed bed rest-induced skeletal deconditioning [Abstract].** FASEB Journal 1999 Mar 12;13(4):A406.

Watenpaugh DE, Wasmund SL, Shirley JS, Wasmund WL, Martin MW, Muenter NK, Smith ML. **Sleep restriction and adrenergic responses to stress [Abstract].** Physiologist 1999 Oct;42(5):A-5.

Westerholm EC, Watenpaugh DE, Wasmund WL, Wasmund SL, Smith ML. **Interactive effects of mental and physical stress on cardiovascular control [Abstract].** FASEB Journal 1999 Mar 15;13(5):A1057.

Rita M. Welch-O'Connor
Research Associate

Fadel PJ, Gallagher KM, Smith SA, Querry RG, Welch-O'Connor RM, Olivencia-Yurvati AH, Raven PB. **Role of chemical sensitive muscle receptors (CSMR) in the regulation of blood pressure and ventilation during dynamic exercise [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S226.

Formes KJ, Wray DW, Welch-O'Connor RM, Olivencia-Yurvati AH, Reese IP, Shi X. **Atropine reduces the transfer function magnitude of systolic blood pressure (SBP) to pulse interval (PI) [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S197.

Norton KH, Gallagher KM, Smith SA, Querry RG, Welch-O'Connor RM, Raven PB. **Carotid baroreflex function during prolonged exercise.** Journal of Applied Physiology 1999 Jul;87(1):339-47.

Smith SA, Gallagher KM, Norton K H, Querry RG, Welch-O'Connor RM, Raven PB. **Ventilatory responses to dynamic exercise elicited by intramuscular sensors.** Medicine and Science in Sports and Exercise 1999 Feb;31(2):277-86.

Wray DW, Formes KJ, Welch-O'Connor RM, Olivencia-Yurvati AH, Reese IP, Shi X. **Atropine diminishes the function of blood pressure (BP) regulation at the onset of orthostatic stress [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S337.

Arthur G. Williams, Jr.
Senior Research Associate

Bian X, Hart BJ, Williams AG, Jr, Downey HF. **A method for collecting right coronary venous blood samples from conscious dogs.** American Journal of Physiology 1999 Mar;276(3 pt. 2):H1086-90.

Hart BJ, Bian X, Williams AG Jr, Downey HF. **A method for producing regional hypoglycemia in blood perfused tissue.** Molecular and Cellular Biochemistry 1999 Oct;200(1-2):177-81.

Hart BJ, Bian X, Williams AG Jr, Downey HF. **A method for producing regional hypoglycemia in blood perfused tissue [Abstract].** FASEB Journal 1999 Mar 12;13(4):A79.

Setty S, Bian X, Hart BJ, Williams AG, Jr, Downey HF, Cantrell ET. **Simultaneous abdominal and chest compressions improve carotid blood flow, aortic pressure during CPR in swine [Abstract].** Journal of the American Osteopathic Association 1999 Aug;99(8):429.

Setty S, Bian X, Hart BJ, Williams AG, Jr, Tkatchouk E, Downey HF. **One session of whole body hypoxia does not protect myocardium from ischemia [Abstract].** Journal of Molecular and Cellular Cardiology 1999 May;31(5):A13.

Darice A. Yoshishige
Research Associate

Napier LD, Roerig SC, Yoshishige DA, Barron BA, Caffrey JL. **Canine cardiac muscarinic receptors, G proteins, and adenylate cyclase after long-term morphine.** Journal of Pharmacology and Experimental Therapeutics 1999 Nov;291(2):725-32.

Molecular Biology and Immunology

Rafael Alvarez-Gonzalez, Ph.D.
Associate Professor

Alvarez-Gonzalez R, editor. **ADP-ribosylation reactions: from bacterial pathogenesis to cancer.** Dordrecht: Kluwer Academic; 1999. 161 p. (Developments in molecular and cellular biochemistry; v. 30).

Alvarez-Gonzalez R. **Free radicals, oxidative stress, and DNA metabolism in human cancer [Editorial].** Cancer Investigation 1999;17(5):376-7.

Alvarez-Gonzalez R, guest issue editor. **ADP-ribosylation reactions: from bacterial pathogenesis to cancer.** Focussed issue of: Molecular and Cellular Biochemistry 1999 Mar;193(1-2).

Alvarez-Gonzalez R, Spring H, Muller M, Burkle A. **Selective loss of poly(ADP-ribose) and the 85-kDa fragment of poly(ADP-ribose) polymerase in nucleoli during alkylation-induced apoptosis of HeLa cells.** Journal of Biological Chemistry 1999 Nov 5;274(45):32122-6.

Alvarez-Gonzalez R, Watkins TA, Gill PK, Reed JL, Mendoza-Alvarez H. **Regulatory mechanisms of poly(ADP-ribose) polymerase.** Molecular and Cellular Biochemistry 1999 Mar;193(1-2):19-22.

Alvarez I, Dimitrijevich SD, Alvarez-Gonzalez R. **UV-damage induced apoptosis in human infant melanocytes [Abstract].** FASEB Journal 1999 April 23;13(7):A1433.

Gill PK, Alvarez-Gonzalez R. **Determination of cyclic ADP-ribose levels in cultured human cells [Abstract].** FASEB Journal 1999 April 23;13(7):A1418.

Kumari SR, Alvarez-Gonzalez R. **Expression of C-Jun and C-Fos in apoptotic cells following DNA damage [Abstract].** FASEB Journal 1999 April 23;13(7):A1434.

Mendoza-Alvarez H, Alvarez-Gonzalez R. **Biochemical characterization of mono(ADP-ribosyl)ated poly(ADP-ribose) polymerase.** Biochemistry 1999 Mar 30;38(13):3948-53.

Mendoza-Alvarez H, Chavez-Bueno S, Alvarez-Gonzalez R. **Qualitative analysis of the chain length(s) of ADP-ribose polymers synthesized by poly(ADP-ribose) polymerase with increasing substrate concentrations [Abstract].** FASEB Journal 1999 April 23;13(7):A1395.

Pacheco-Rodriguez G, Alvarez-Gonzalez R. **Measurement of poly(ADP-ribose) glycohydrolase activity by high resolution polyacrylamide gel electrophoresis: specific inhibition by histones and nuclear matrix proteins.** Molecular and Cellular Biochemistry 1999 Mar;193(1-2):13-8.

Oleg A. Andreev, Ph.D.
Research Assistant Professor

Andreev OA, Borejdo J. **Binding of myosin cross-bridges to thin filaments of rabbit skeletal muscle.** Biochemical and Biophysical Research Communications 1999 May 19;258(3):628-31.

Andreev OA, Saraswat LD, Lowey S, Slaughter C, Borejdo J. **Interaction of the N-terminus of chicken skeletal essential light chain 1 with F-actin.** Biochemistry 1999 Feb 23;38(8):2480-5.

Borejdo J, Ushakov DS, Andreev OA. **Conformational change in the essential light chain of skeletal myosin subfragment-1 induced by binding of MGATP [Abstract].** Biophysical Journal 1999 Jan;76(1, pt. 2):A37.

Moreland R, Ushakov DS, Saraswat LD, Lowey S, Andreev OA, Borejdo J. **The transition from rigor to relaxation causes conformational change in the essential light chain 1 of myofibrillar myosin [Abstract].** Biophysical Journal 1999 Jan;76(1, pt. 2):A37.

Reshetnyak YK, Andreev OA, Borejdo J, Burstein EA. **The spectral and structural analysis of the tryptophan residues in myosin subfragment 1 [Abstract].** Biophysical Journal 1999 Jan;76(1, pt. 2):A50.

Alakananda Basu, Ph.D.
Associate Professor

Banerji TK, Maitra SK, Basu A, Hawkins HK. **Lithium-induced alterations in the testis of the male roseringed parakeet (*Psittacula krameri*): evidence for significant structural changes and disruption in the spermatogenetic activity.** Endocrine Research 1999 Feb;25(1):35-49.

Basu A, Akkaraju GR. **Regulation of caspase activation and *cis*-diamminedichloroplatinum(II)-induced cell death by protein kinase C.** Biochemistry 1999 Apr 6;38(14):4245-51.

Basu A, Miura A, Akkaraju GR, Johnson DE. **Regulation of cell death by protein kinase C [Abstract].** Proceedings of the American Association for Cancer Research 1999 Mar;40:165.

Chakrabarti G, Basu A, Manna PP, Mahato SB, Mandal NB, Bandyopadhyay S. **Indolylquinoline derivatives are cytotoxic to Leishmania donovani promastigotes and amastigotes in vitro and are effective in treating murine visceral leishmaniasis.** Journal of Antimicrobial Chemotherapy 1999 Mar;43(3):359-66.

Gilbert R, Cohen JA, Pardo S, Basu A, Fischman DA. **Identification of the A-band localization domain of myosin binding proteins C and H (MyBP-C, MyBP-H) in skeletal muscle.** Journal of Cell Science 1999 Jan;112 (1):69-79.

Koley H, Mitra R, Basu A, Mukhopadhyay AK, Saha PK, Ramakrishna BS, Krishnan S, Takeda Y, Nair GB. **Response of wild-type mutants of Vibrio cholerae O1 possessing different combinations of virulence genes in the ligated rabbit ileal loop and in Ussing chambers: evidence for the presence of additional secretogen.** Journal of Medical Microbiology 1999 Jan;48(1):51-7.

Sarkar M, Barari SK, Mandal DB, Nandankar UA, Basu A, Mohanty TK, Ray S. **The effect of anti-coagulants on the osmotic fragility of erythrocytes in the yak (*Poephagus grunniens*).** Veterinary Journal 1999 Jan;157(1):91-3.

Harshika Bhatt, Ph.D.
Research Associate

Bhatt H, Lawrence MC, Conner BP, Easom RA. **The involvement of myosin light chain phosphorylation in secratogogue-induced insulin secretion in pancreatic ∃-cells [Poster].** Diabetes 1999 May;48(suppl.1):A240.

Julian Borejdo, Ph.D.
Associate Professor

Andreev OA, Borejdo J. **Binding of myosin cross-bridges to thin filaments of rabbit skeletal muscle.** Biochemical and Biophysical Research Communications 1999 May 19;258(3):628-31.

Andreev OA, Saraswat LD, Lowey S, Slaughter C, Borejdo J. **Interaction of the N-terminus of chicken skeletal essential light chain 1 with F-actin.** Biochemistry 1999 Feb 23;38(8):2480-5.

Borejdo J, Ushakov DS, Andreev OA. **Conformational change in the essential light chain of skeletal myosin subfragment-1 induced by binding of MGATP [Abstract].** Biophysical Journal 1999 Jan;76(1, pt. 2):A37.

Moreland R, Ushakov DS, Saraswat LD, Lowey S, Andreev OA, Borejdo J. **The transition from rigor to relaxation causes conformational change in the essential light chain 1 of myofibrillar myosin [Abstract].** Biophysical Journal 1999 Jan;76(1, pt. 2):A37.

Reshetnyak YK, Andreev OA, Borejdo J, Burstein EA. **The spectral and structural analysis of the tryptophan residues in myosin subfragment 1 [Abstract].** Biophysical Journal 1999 Jan;76(1, pt. 2):A50.

Samuel S. Chuang, Ph.D.
Postdoctoral Research Associate

Boles KS, Nakajima H, Colonna M, Chuang SS, Stepp SE, Bennett M, Kumar V, Mathew PA. **Molecular characterization of a novel human natural killer cell receptor homologous to mouse 2B4.** Tissue Antigens 1999 Jul;54(1):27-34.

Chuang SS, Banerjee D, Das HK. **Purified apolipoprotein B gene regulatory factor-3 is DNA topoisomerase I.** European Journal of Biochemistry 1999 Aug;263(3):773-81.

Chuang SS, Das HK. **A single in vitro point mutation in the first non-translated exon silences transcription of the human apolipoprotein B gene in HepG2 cells.** Biochimica et Biophysica Acta 1999 Jan 4;1436(3):600-5.

Chuang SS, Lee Y, Stepp SE, Kumaresan PR, Mathew PA. **Molecular cloning and characterization of the promoter region of murine natural killer cell receptor 2B4.** Biochimica et Biophysica Acta 1999 Oct 28;1447(2-3):244-50.

Kumaresan PR, Stepp SE, Chuang SS, Bennett M, Kumar V, Mathew PA. **Rat NK cells express soluble and membrane bound forms of 2B4 [Abstract].** FASEB Journal 1999 Mar 15;13(5):A962.

Abbot F. Clark, Ph.D.
Adjunct Professor

Agarwal R, Lambert W, Agarwal N, Seiler J, Clark AF. **Effects of dexamethasone (DEX) on growth factor and neurotrophin mRNA expression by cultured human trabecular meshwork cells [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S667.

Agarwal R, Talati M, Lambert W, Clark AF, Wilson SE, Agarwal N, Wordinger RJ. **Fas-activated apoptosis and apoptosis mediators in human trabecular meshwork cells.** Experimental Eye Research 1999 May;68(5):583-90.

Bullard LE, Rajaratnam VS, Collier RJ, Clark AF, Penn JS. **Evidence that AL-3789 inhibits retinal neovascularization in an animal model of ROP by inducing retinal PAI-1 [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S619.

Clark AF. **Current trends in antiglaucoma therapy.** Emerging Drugs 1999;1999(4):333-53.

Clark AF, English-Wright S, Lane D, Steely HT, Fingert JH, Stone EM. **Expression of the glaucoma gene myocilin in cells of the human optic nerve head [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S673.

Clark AF, Mellon J, Li XY, Ma D, Leher H, Apte R, Alizadeh H, Hegde S, McLenaghan A, Mayhew E, D'Orazio TJ, Niederkorn JY. **Inhibition of intraocular tumor growth by topical application of the angiostatic steroid anecortave acetate.** Investigative Ophthalmology and Visual Science 1999 Aug;40(9):2158-62.

Fingert JH, Clark AF, Streb LM, Alward WL, Sheffield VC, Stone EM. **Identification and evaluation of glaucoma candidate genes [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S596.

Howe WE, Pang I-H, Clark AF. **Development of an in vitro model of glaucoma optic neuropathy using NT2N neurons [Abstract].** Molecular Biology of the Cell 1999 Nov;10(suppl):231a.

Ke TL, Clark AF, Gracy RW. **Age-related permeability changes in rabbit corneas.** Journal of Ocular Pharmacology and Therapeutics 1999 Dec;15(6):513-23.

Lambert W, Agarwal R, Clark AF, Wordinger RJ. **Secretion of neurotrophins by cells of the human optic nerve head [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S673.

Liu X, Talati M, Lambert W, Agarwal R, Clark AF, Wordinger RJ. **Expression of ciliary neurotrophic factor (CNTF), glial derived neurotrophic factor (GDNF) and their receptors by cells of the human optic nerve head [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S673.

McNatt LG, Weimer L, Yanni J, Clark AF. **Angiostatic activity of steroids in the chick embryo CAM and rabbit cornea models of neovascularization.** Journal of Ocular Pharmacology and Therapeutics 1999 Oct;15(5):413-23.

Pang I-H, McCartney MD, Smith RS, John SW, Clark AF. **Age-dependent changes in ocular morphology of a spontaneous ocular hypertensive mouse strain (DBA/2J) [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S671.

Santos CI, Zeiter JH, Speaker MG, Beasley CH, DeFaller JM, Clark AF. **Efficacy and safety of topical 1% anecortave acetate (AL-3789) as anti-neovascular therapy for recurrent pterygium [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S335.

Wordinger RJ, Agarwal R, Lambert W, Talati M, Cross W, Clark AF. **The expression of ciliary neurotrophic factor (CNTF), glial derived neurotrophic factor (GDNF) and their receptors by human trabecular meshwork (TM) cells and tissues [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S504.

Wordinger RJ, Clark AF. **Effects of glucocorticoids on the trabecular meshwork: towards a better understanding of glaucoma.** Progress in Retinal and Eye Research 1999 Sep;18(5):629-67.

Wordinger RJ, Clark AF, Agarwal R, Lambert W, Wilson SE. **Expression of alternatively spliced growth factor receptor isoforms in the human trabecular meshwork.** Investigative Ophthalmology and Visual Science 1999 Jan;40(1):242-7.

Barry P. Conner
Senior Research Assistant

Bhatt H, Lawrence MC, Conner BP, Easom RA. **The involvement of myosin light chain phosphorylation in secratogogue-induced insulin secretion in pancreatic ∃-cells [Poster].** Diabetes 1999 May;48(suppl.1):A240.

S. Dan Dimitrijevich, Ph.D.
Research Associate Professor

Alvarez I, Dimitrijevich SD, Alvarez-Gonzalez R. **UV-damage induced apoptosis in human infant melanocytes [Abstract].** FASEB Journal 1999 April 23;13(7):A1433.

Dimitrijevich SD, Paranjape S, Wilson JR, Gracy RW, Mills JG. **Effect of hyperbaric oxygen on human skin cells in culture and in human dermal and skin equivalents.** Wound Repair and Regeneration 1999 Jan-Feb;7(1):53-64.

Ladislav Dory, Ph.D.
Professor

Fungwe TV, Zapata M, Dory L. **Fatty acids alter time dependent loss of apolipoprotein E expression by primary cultures of rat hepatocytes.** Journal of Nutritional Biochemistry 1999;10(306-13).

Rudick VL, Brun-Zinkernagel AM, Westbrook M, Dory L. **Regulation of apolipoprotein E secretion in mouse macrophages: effect of HDL [Abstract].** FASEB Journal 1999 Mar 12;13(4):A177.

Richard A. Easom, Ph.D.
Associate Professor and Vice Chair

Bhatt H, Lawrence MC, Conner BP, Easom RA. **The involvement of myosin light chain phosphorylation in secratogogue-induced insulin secretion in pancreatic ∃-cells [Poster].** Diabetes 1999 May;48(suppl.1):A240.

Easom RA. **CaM kinase II: a protein kinase with extraordinary talents germane to insulin exocytosis.** Diabetes 1999 Apr;48(4):675-84.

Krueger KA, Ings EI, Brun-Zinkernagel AM, Landt M, Easom RA. **Site-specific phosphorylation of synapsin I by Ca^{2+}/calmodulin-dependent protein kinase II in pancreatic betaTC3 cells: synapsin I is not associated with insulin secretory granules.** Diabetes 1999 Mar;48(3):499-506.

Lawrence MC, Easom RA. **Calcineurin activates a nuclear factor of activated T-cells (NFAT) to enhance insulin gene transcription [Poster].** Diabetes 1999 May;48(suppl.1):A246.

Lawrence MC, Easom RA. **Calcineurin associates with a nuclear factor of activated T-cells (NFAT) DNA-binding complex and enhances insulin gene transcription in pancreatic INS-1 cells [Abstract].** Proceedings of the Society for Experimental Biology and Medicine 1999 Jul;221(3):270.

Ronald H. Goldfarb, Ph.D.
Professor and Chair

Basse PH, Nannmark U, Herberman RB, Goldfarb RH, Hokland M E. **Tumor infiltration and anti-tumor effect of adoptively transferred A-NK cells in the B16 melanoma model [Abstract].** Natural Immunity 1998;16(2-3):117.

Basse PH, Nannmark U, Herberman RB, Goldfarb RH, Hokland M E. **Tumor infiltration and anti-tumor effect of adoptively transferred A-NK cells in the B16 melanoma model [Abstract].** Proceedings of the American Association for Cancer Research 1999 Mar;40:182.

Goldfarb RH, Kitson RP, Brunson KW, Yoshino K, Hirota N, Kirii Y, Kotera Y, Inoue Y, Ohashi M. **Enhanced anti-metastatic efficacy of IL-2 activated NK (A-NK) cells with novel benzothiazoles.** Anticancer Research 1999 May-Jun;19(3A):1663-7.

Kim MH, Kitson RP, Xue Y, Goldfarb RH. **Identification of matrix metalloproteinases (MMPS) produced by rat and mouse IL-2 activated NK (A-NK) cells [Abstract].** FASEB Journal 1999 April 23;13(7):A1536.

Mazar AP, Henkin J, Goldfarb RH. **The urokinase plasminogen activator system in cancer: implications for tumor angiogenesis and metastasis.** Angiogenesis 1999;3(1):15-32.

Quan N, Zhang Z, Demetrikopoulos MK, Kitson RP, Chambers WH, Goldfarb RH, Weiss JM. **Evidence for involvement of B lymphocytes in the surveillance of lung metastasis in the rat.** Cancer Research 1999 Mar 1;59(5):1080-9.

Welch WC, Kornblith PL, Michalopoulos GK, Petersen BE, Beedle A, Gollin SM, Goldfarb RH. **Hepatocyte growth factor (HGF) and receptor (c-met) in normal and malignant astrocytic cells.** Anticancer Research 1999 May-Jun;19(3A):1635-40.

Robert W. Gracy, Ph.D.
Professor and Dean for Research and Biotechnology

Dimitrijevich SD, Paranjape S, Wilson JR, Gracy RW, Mills JG. **Effect of hyperbaric oxygen on human skin cells in culture and in human dermal and skin equivalents.** Wound Repair and Regeneration 1999 Jan-Feb;7(1):53-64.

Gracy RW, Conrad CC, Talent JM. **Oxidized protein biomarkers in Alzheimer's disease [Abstract].** Journal of the American Osteopathic Association 1999 Sep;99(9):480.

Gracy RW, Talent JM, Kong Y, Conrad CC. **Reactive oxygen species: the unavoidable environmental insult?** Mutation Research 1999 Jul 16;428(1-2):17-22.

Ke TL, Clark AF, Gracy RW. **Age-related permeability changes in rabbit corneas.** Journal of Ocular Pharmacology and Therapeutics 1999 Dec;15(6):513-23.

Ben G. Harris, Ph.D.
Professor

Rao JGS, Cook PF, Harris BG. **Kinetic characterization of a T-state of *Ascaris suum* phosphofructokinase with heterotropic negative cooperativity by ATP eliminated.** Archives of Biochemistry and Biophysics 1999 May 15;365(2):335-43.

Richard P. Kitson, Ph.D.
Research Associate Professor

Goldfarb RH, Kitson RP, Brunson KW, Yoshino K, Hirota N, Kirii Y, Kotera Y, Inoue Y, Ohashi M. **Enhanced anti-metastatic efficacy of IL-2 activated NK (A-NK) cells with novel benzothiazoles.** Anticancer Research 1999 May-Jun;19(3A):1663-7.

Kim MH, Kitson RP, Xue Y, Goldfarb RH. **Identification of matrix metalloproteinases (MMPS) produced by rat and mouse IL-2 activated NK (A-NK) cells [Abstract].** FASEB Journal 1999 April 23;13(7):A1536.

Quan N, Zhang Z, Demetrikopoulos MK, Kitson RP, Chambers WH, Goldfarb RH, Weiss JM. **Evidence for involvement of B lymphocytes in the surveillance of lung metastasis in the rat.** Cancer Research 1999 Mar 1;59(5):1080-9.

Bhalchandra J. Kudchodkar, Ph.D.
Research Associate Professor

Kalman J, Kudchodkar BJ, Murray KR, McConathy WJ, Juhasz A, Janka Z, Lacko AG. **Evaluation of serum-lipid-related cardiovascular risk factors in Alzheimer's disease.** Dementia and Geriatric Cognitive Disorders 1999 Nov;10(6):488-93.

Gopal Kulkarni, Ph.D.
Research Assistant Professor

Karantzoulis-Fegaras F, Antoniou H, Lai SL, Kulkarni G, D'Abreo C, Wong GK, Miller TL, Chan Y, Atkins J, Wang Y, Marsden, PA. **Characterization of the human endothelial nitric-oxide synthase promoter.** Journal of Biological Chemistry 1999 Jan 29;274(5):3076-93.

Pappa R. Kumaresan, Ph.D.
Postdoctoral Research Associate

Boles KS, Barten R, Kumaresan PR, Trowsdale J, Mathew PA. **Cloning of a new lectin-like receptor expressed on human NK cells.** Immunogenetics 1999 Oct 11;50(1/2):1-7.

Chuang SS, Lee Y, Stepp SE, Kumaresan PR, Mathew PA. **Molecular cloning and characterization of the promoter region of murine natural killer cell receptor 2B4.** Biochimica et Biophysica Acta 1999 Oct 28;1447(2-3):244-50.

Kumaresan PR, Stepp SE, Chuang SS, Bennett M, Kumar V, Mathew PA. **Rat NK cells express soluble and membrane bound forms of 2B4 [Abstract].** FASEB Journal 1999 Mar 15;13(5):A962.

Sunitha R. Kumari, Ph.D.
Postdoctoral Research Associate

Kumari SR, Alvarez-Gonzalez R. **Expression of C-Jun and C-Fos in apoptotic cells following DNA damage [Abstract].** FASEB Journal 1999 April 23;13(7):A1434.

Andras G. Lacko, Ph.D.
Professor

Kalman J, Kudchodkar BJ, Murray KR, McConathy WJ, Juhasz A, Janka Z, Lacko AG. **Evaluation of serum-lipid-related cardiovascular risk factors in Alzheimer's disease.** Dementia and Geriatric Cognitive Disorders 1999 Nov;10(6):488-93.

Murray KR, Nair MP, McConathy WJ, Lacko AG. **Enzyme linked immunoassay (ELISA) for lecithin:cholesterol acyltransferase (LCAT).** Analytical Letters 1999;32(8):1553-64.

Porunelloor A. Mathew, Ph.D.
Assistant Professor

Boles KS, Barten R, Kumaresan PR, Trowsdale J, Mathew PA. **Cloning of a new lectin-like receptor expressed on human NK cells.** Immunogenetics 1999 Oct 11;50(1/2):1-7.

Boles KS, Nakajima H, Colonna M, Chuang SS, Stepp SE, Bennett M, Kumar V, Mathew PA. **Molecular characterization of a novel human natural killer cell receptor homologous to mouse 2B4.** Tissue Antigens 1999 Jul;54(1):27-34.

Chuang SS, Lee Y, Stepp SE, Kumaresan PR, Mathew PA. **Molecular cloning and characterization of the promoter region of murine natural killer cell receptor 2B4.** Biochimica et Biophysica Acta 1999 Oct 28;1447(2-3):244-50.

Kumaresan PR, Stepp SE, Chuang SS, Bennett M, Kumar V, Mathew PA. **Rat NK cells express soluble and membrane bound forms of 2B4 [Abstract].** FASEB Journal 1999 Mar 15;13(5):A962.

Schatzle JD, Sheu S, Stepp SE, Mathew PA, Bennett M, Kumar V. **Characterization of inhibitory and stimulatory forms of the murine natural killer cell receptor 2B4.** Proceedings of the National Academy of Sciences of the United States of America 1999 Mar 30;96(7):3870-5.

Stepp SE, Dufourcq-Lagelouse R, Le Deist F, Bhawan S, Certain S, Mathew PA, Henter JI, Bennett M, Fischer A, de Saint Basile G, Kumar V. **Perforin gene defects in familial hemophagocytic lymphohistiocytosis.** Science 1999 Dec 3;286(5446):1957-9.

Stepp SE, Schatzle JD, Bennett M, Kumar V, Mathew PA. **Gene structure of the murine NK cell receptor 2B4: presence of two alternatively spliced isoforms with distinct cytoplasmic domains.** European Journal of Immunology 1999 Aug;29(8):2392-9.

Hilda Mendoza-Alvarez
Senior Research Assistant

Alvarez-Gonzalez R, Watkins TA, Gill PK, Reed JL, Mendoza-Alvarez H. **Regulatory mechanisms of poly(ADP-ribose) polymerase.** Molecular and Cellular Biochemistry 1999 Mar;193(1-2):19-22.

Mendoza-Alvarez H, Alvarez-Gonzalez R. **Biochemical characterization of mono(ADP-ribosyl)ated poly(ADP-ribose) polymerase.** Biochemistry 1999 Mar 30;38(13):3948-53.

Mendoza-Alvarez H, Chavez-Bueno S, Alvarez-Gonzalez R. **Qualitative analysis of the chain length(s) of ADP-ribose polymers synthesized by poly(ADP-ribose) polymerase with increasing substrate concentrations [Abstract].** FASEB Journal 1999 April 23;13(7):A1395.

Maya P. Nair, Ph.D.
Research Assistant Professor

de Fiebre NC, Seymour PM, Nair MP, de Fiebre CM. **The ∀7-selective nicotinic agonist, DMXB, may protect against ethanol-induced neurotoxicity [Abstract].** Alcoholism, Clinical and Experimental Research 1999 May;23(5, suppl):47A.

Murray KR, Nair MP, McConathy WJ, Lacko AG. **Enzyme linked immunoassay (ELISA) for lecithin:cholesterol acyltransferase (LCAT).** Analytical Letters 1999;32(8):1553-64.

Schwartz SA, Nair MP. **Current concepts in human immunodeficiency virus infections and AIDS.** Clinical and Diagnostic Laboratory Immunology 1999 May;6(3):295-305.

Jagannatha G. S. Rao, Ph.D.
Research Assistant Professor

Rao JGS, Cook PF, Harris BG. **Kinetic characterization of a T-state of *Ascaris suum* phosphofructokinase with heterotropic negative cooperativity by ATP eliminated.** Archives of Biochemistry and Biophysics 1999 May 15;365(2):335-43.

Tony Romeo, Ph.D.
Associate Professor

Tatarko M, Romeo T. **Optimization of aromatic amino acid biosynthesis through global metabolic engineering [Abstract].** Abstracts of the General Meeting of the American Society for Microbiology 1999;99:498.

Jerry W. Simecka, Ph.D.
Assistant Professor

French CT, Loelker LL, Gumulak J, Simecka JW, Dybvig K. **Development and use of transposon vectors for *Mycoplasma pulmoni*s and *Mycoplasma arthritidis* [Abstract].** Abstracts of the General Meeting of the American Society for Microbiology 1999;99:329.

Jones HP, Hodge LM, Simecka JW. **TH1 and TH2 response after intranasal immunization with influenza vaccine plus cholera toxin [Abstract].** Proceedings of the Society for Experimental Biology and Medicine 1999 Jul;221(3):269.

Liang S, Simecka JW, Lindsey JR, Cassell GH, Davis JK. **Antibody responses after Sendai virus infection and their role in upper and lower respiratory tract disease in rats.** Laboratory Animal Medicine 1999 Aug;49(4):385-94.

Simecka JW. **Beta-chemokines are produced in lungs of mice with mycoplasma respiratory disease.** Current Microbiology 1999 Sep;39(3):163-7.

Inderpal Singh, Ph.D.
Postdoctoral Research Fellow

Cammarata PR, Zhou C, Chen G, Singh I, Reeves RE, Kuszak JR, Robinson ML. **A transgenic animal model of osmotic cataract. Part 1: over-expression of bovine Na+/myo-inositol cotransporter in lens fibers.** Investigative Ophthalmology and Visual Science 1999 Jul;40(8):1727-37.

Cammarata PR, Zhou C, Singh I, Reeves RE, Robinson ML, Raven PB, sponsor. **Transgenic animal model of osmotic cataract [Abstract].** FASEB Journal 1999 Mar 12;13(4):A342.

John M. Talent
Research Associate

Gracy RW, Conrad CC, Talent JM. **Oxidized protein biomarkers in Alzheimer's disease [Abstract].** Journal of the American Osteopathic Association 1999 Sep;99(9):480.

Gracy RW, Talent JM, Kong Y, Conrad CC. **Reactive oxygen species: the unavoidable environmental insult?** Mutation Research 1999 Jul 16;428(1-2):17-22.

Matthew Tatarko, Ph.D.
Postdoctoral Research Associate

Tatarko M, Romeo T. **Optimization of aromatic amino acid biosynthesis through global metabolic engineering [Abstract].** Abstracts of the General Meeting of the American Society for Microbiology 1999;99:498.

Marla Westbrook
Senior Research Assistant

Rudick VL, Brun-Zinkernagel AM, Westbrook M, Dory L. **Regulation of apolipoprotein E secretion in mouse macrophages: effect of HDL [Abstract].** FASEB Journal 1999 Mar 12;13(4):A177.

Yaming Xue
Senior Research Assistant

Kim MH, Kitson RP, Xue Y, Goldfarb RH. **Identification of matrix metalloproteinases (MMPS) produced by rat and mouse IL-2 activated NK (A-NK) cells [Abstract].** FASEB Journal 1999 April 23;13(7):A1536.

Liu JJ, Xue Y, Agarwal N, Roque RS. **Human Müller cells express VEGF183, a novel spliced variant of vascular endothelial growth factor.** Investigative Ophthalmology and Visual Science 1999 Mar;40(3):752-9.

N. Y. Zachariah, Ph.D.
Adjunct Associate Professor

Dickerman RD, Pertusi RM, Miller J, Zachariah NY. **Androgen-induced erythrocytosis: is it erythropoietin? [Letter].** American Journal of Hematology 1999 Jun;61(2):154-5.

Dickerman RD, Pertusi RM, Zachariah NY, Dufour DR, McConathy WJ. **Anabolic steroid-induced hepatotoxicity: is it overstated?** Clinics in Sports Medicine 1999 Jan;9(1):34-9.

Pharmacology

Cassandra Beeny
Research Assistant

Morris P, Hart CL, Mishalanie JF, Beeny C, Reynolds R, Lal H, Forster MJ. **Caloric restriction dec[e]lerates the age-related decline of sensorimotor function in mice II [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):2071.

Cathy L. Bell-Horner
Senior Research Assistant

Bell-Horner CL, Martin MW, Drewe JA, Dillon GH. **Inhibition of $GABA_A$ receptors by the cyclodiene dieldrin is enhanced in receptors lacking an ∀ subunit [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):1481.

Hriday K. Das, Ph.D.
Associate Professor

Chuang SS, Banerjee D, Das HK. **Purified apolipoprotein B gene regulatory factor-3 is DNA topoisomerase I.** European Journal of Biochemistry 1999 Aug;263(3):773-81.

Chuang SS, Das HK. **A single in vitro point mutation in the first non-translated exon silences transcription of the human apolipoprotein B gene in HepG2 cells.** Biochimica et Biophysica Acta 1999 Jan 4;1436(3):600-5.

Pastorcic M, Das HK. **An upstream element containing an ETS binding site is crucial for transcription of the human presenilin-1 gene.** Journal of Biological Chemistry 1999 Aug 20;274(34):24297-307.

Christopher M. de Fiebre, Ph.D.
Assistant Professor

de Fiebre CM, Meyer EM, de Fiebre NC. **Agonist sensitivities of neuronal nicotinic receptors expressed in *xenopus* oocytes [Abstract].** Abstracts - Society for Neuroscience 1999;25(1):1242.

de Fiebre NC, Seymour PM, de Fiebre CM. **Nicotine and the ∀7-selective nicotinic agonist, DMXB, attenuate chronic alcohol-induced deficits in learning [Abstract].** Abstracts - Society for Neuroscience 1999;25(1):1079.

de Fiebre NC, Seymour PM, Nair MP, de Fiebre CM. **The ∀7-selective nicotinic agonist, DMXB, may protect against ethanol-induced neurotoxicity [Abstract].** Alcoholism, Clinical and Experimental Research 1999 May;23(5, suppl):47A.

Li Y, King MA, Grimes J, Smith N, de Fiebre CM, Meyer EM. **Alpha7 nicotinic receptor mediated protection against ethanol-induced cytotoxicity in PC12 cells.** Brain Research 1999 Jan 16;816(1):225-8.

Yagle M, Martin MW, de Fiebre CM, de Fiebre NC, Drewe JA, Dillon GH. **[^{3}H] ethynylbicycloorthobenzoate ([^{3}H] EBOB) binding in rat cerebellum and recombinant $GABA_A$ receptors [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):1713.

Yagle M, Martin MW, de Fiebre CM, Dillon GH. **[^{3}H] ethynylbicycloorthobenzoate ([^{3}H] EBOB) binding in rat cerebellum and recombinant $GABA_A$ receptors [Abstract].** Proceedings of the Society for Experimental Biology and Medicine 1999 Jul;221(3):267.

Nancyellen C. de Fiebre
Research Associate

de Fiebre CM, Meyer EM, de Fiebre NC. **Agonist sensitivities of neuronal nicotinic receptors expressed in *xenopus* oocytes [Abstract].** Abstracts - Society for Neuroscience 1999;25(1):1242.

de Fiebre NC, Seymour PM, de Fiebre CM. **Nicotine and the ∀7-selective nicotinic agonist, DMXB, attenuate chronic alcohol-induced deficits in learning [Abstract].** Abstracts - Society for Neuroscience 1999;25(1):1079.

de Fiebre NC, Seymour PM, Nair MP, de Fiebre CM. **The ∀7-selective nicotinic agonist, DMXB, may protect against ethanol-induced neurotoxicity [Abstract].** Alcoholism, Clinical and Experimental Research 1999 May;23(5, suppl):47A.

Yagle M, Martin MW, de Fiebre CM, de Fiebre NC, Drewe JA, Dillon GH. **[^{3}H] ethynylbicycloorthobenzoate ([^{3}H] EBOB) binding in rat cerebellum and recombinant $GABA_A$ receptors [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):1713.

Louis M. DeSantis, Ph.D.
Adjunct Professor

Kapin MA, Doshi R, Scatton B, DeSantis LM, Chandler ML. **Neuroprotective effects of eliprodil in retinal excitotoxicity and ischemia.** Investigative Ophthalmology and Visual Science 1999 May;40(6):1177-82.

Kulkarni P, DeSantis LM. **Vasodilating effects of racemic betaxolol and its R- and S-isomers on bovine retinal vessels [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S492.

Osborne NN, DeSantis LM, Bae JH, Ugarte M, Wood JP, Nash MS, Chidlow G. **Topically applied betaxolol attenuates NMDA-induced toxicity to ganglion cells and the effects of ischaemia to the retina.** Experimental Eye Research 1999 Sep;69(3):331-42.

Pang I-H, Wexler EM, Nawy S, DeSantis LM, Kapin MA. **Protection by eliprodil against excitotoxicity in cultured rat retinal ganglion cells.** Investigative Ophthalmology and Visual Science 1999 May;40(6):1170-6.

Yu DY, Su EN, Cringle SJ, Alder VA, Yu PK, DeSantis L. **Systemic and ocular vascular roles of the antiglaucoma agents beta-adrenergic antagonists and Ca2+ entry blockers.** Survey of Ophthalmology 1999 Jun;43 Suppl 1:S214-22.

Adnan I. Dibas, Ph.D.
Instructor

Dibas AI, Prasanna G, Yorio T. **Phenylarsine oxide inhibits phosphate uptake in human ciliary non-pigmented epithelial cells.** Journal of Ocular Pharmacology and Therapeutics 1999 Jun;15(3):241-50.

Prasanna G, Dibas AI, Finkley A, Yorio T. **Identification of endothelin converting enzyme-1 in human non-pigmented ciliary epithelial cells.** Experimental Eye Research 1999 Aug;69(2):175-83.

Prasanna G, Dibas AI, Yorio T. **Modulatory effects of cholinergic and adrenergic agents on endothelin-1-induced $[Ca^{2+}]_i$ mobilization in human ciliary smooth muscle cells [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S394.

Yorio T, Dibas AI, Prasanna G. **Endothelin-1 decreases $^{86}RB^+$ uptake in human non-pigmented ciliary epithelial cells by inhibiting Na^+/K^+-ATPase [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S497.

Glenn H. Dillon, Ph.D.
Associate Professor

Bell-Horner CL, Martin MW, Drewe JA, Dillon GH. **Inhibition of $GABA_A$ receptors by the cyclodiene dieldrin is enhanced in receptors lacking an ∀ subunit [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):1481.

Dibas MI, Dillon GH. **β2(T246F) has differential effects on the interaction of picrotoxin-related drugs with $GABA_A$ receptors [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):1481.

Dibas MI, Dillon GH. **Single mutation uncovers a low affinity stimulatory site for the CNS convulsant pentylenetetrazole (PTZ) on $GABA_A$ receptors [Abstract].** Proceedings of the Society for Experimental Biology and Medicine 1999 Jul;221(3):269.

Dillon GH, Huang RQ, Fang MJ. **Direct inhibition of $GABA_A$ receptors by the tyrosine kinase inhibitor genistein [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):1482.

Horn EM, Dillon GH, Fan YP, Waldrop TG. **Developmental aspects and mechanisms of rat caudal hypothalamic neuronal responses to hypoxia.** Journal of Neurophysiology 1999 Apr;81(4):1949-59.

Huang RQ, Dillon GH. **Effect of extracellular pH on GABA-activated current in rat recombinant receptors and thin hypothalamic slices.** Journal of Neurophysiology 1999 Sep;82(3):1233-43.

Huang RQ, Dillon GH. **pH effect on $GABA_A$ receptors: influence of subunit composition, amino acid modification and intra- vs. extracellular stimulus [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):1481.

Huang RQ, Fang MJ, Dillon GH. **The tyrosine kinase inhibitor genistein directly inhibits GABA-A receptors.** Brain Research. Molecular Brain Research 1999 Apr 6;67(1):177-83.

Yagle M, Martin MW, de Fiebre CM, de Fiebre NC, Drewe JA, Dillon GH. **[^{3}H] ethynylbicycloorthobenzoate ([^{3}H] EBOB) binding in rat cerebellum and recombinant $GABA_A$ receptors [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):1713.

Yagle M, Martin MW, de Fiebre CM, Dillon GH. **[^{3}H] ethynylbicycloorthobenzoate ([^{3}H] EBOB) binding in rat cerebellum and recombinant $GABA_A$ receptors [Abstract].** Proceedings of the Society for Experimental Biology and Medicine 1999 Jul;221(3):267.

Michael J. Forster, Ph.D.
Professor and Vice Chair

Barker DJ, Aschenbrenner JE, Orr EL, Turner JE, Barron BA, Forster MJ, Garner MH, McIntosh WE, Smith GH. **Integrating multimedia and case presentations in a first year medical neuroscience course [Abstract].** Abstracts - Society for Neuroscience 1999;25(pt.1):267.

Forster MJ, Lal H. **Estimating age-related changes in psychomotor function: influence of practice and of level of caloric intake in different genotypes.** Neurobiology of Aging 1999 Mar-Apr;20(2):167-76.

Forster MJ, Wang Y, Nguyen L, Kelleher-Andersson J. **Anti-aging actions of novel nitrones [Abstract].** Age 1999 Jul;22(3):131.

Lal H, Forster MJ, Mahadik SP. **Neuroprotection.** In: Adelman G. Encyclopedia of neuroscience. 2nd ed. New York: Elsevier; 1999. pp. 1440-3.

Lass A, Forster MJ, Sohal RS. **Effects of coenzyme Q10 and alpha-tocopherol administration on their tissue levels in the mouse: elevation of mitochondrial alpha-tocopherol by coenzyme Q10.** Free Radical Biology and Medicine 1999 Jun;26(11-12):1375-82.

McCann DJ, Mello NK, Negus SS, Bergman J, Forster MJ, Schenk S. **Selegiline as a potential cocaine treatment medication: behavioral evaluations in rhesus monkeys and comparisons with other MAO inhibitors in rodents [Abstract].** Behavioural Pharmacology 1999 Aug;10(suppl. 1):S59-60.

McDonald SR, Koller B, Lal H, Forster MJ. **Coenzyme Q_{10} and ∀-tocopherol reverse learning and memory impairments in aged mice [Abstract].** Abstracts - Society for Neuroscience 1999;25(pt.1):1318.

Morris P, Hart CL, Mishalanie JF, Beeny C, Reynolds R, Lal H, Forster MJ. **Caloric restriction dec[e]lerates the age-related decline of sensorimotor function in mice II [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):2071.

Rezazadeh SM, Lal H, Forster MJ, Uzbay IT. **Effects of NMDA receptor blockers and nitric oxide synthase inhibitors on cocaine-induced locomotor activity in mice [Abstract].** Abstracts - Society for Neuroscience 1999;25(pt.2):1717.

Sohal RS, Wennberg-Kirch E, Jaiswal K, Kwong LK, Forster MJ. **Effect of age and caloric restriction on bleomycin-chelatable and nonheme iron in different tissues of C57BL/6 mice.** Free Radical Biology and Medicine 1999 Aug;27(3-4):287-93.

Michael B. Gatch, Ph.D.
Research Assistant Professor

Aspen J, Gatch MB, Woods JH. **Training and characterization of a quinine taste discrimination in rhesus monkeys.** Psychopharmacology (Berlin) 1999 Jan;141(3):251-7.

Gatch MB. **Effects of benzodiazepines on acute and chronic ethanol-induced nociception in rats.** Alcoholism, Clinical and Experimental Research 1999 Nov;23(11):1736-43.

Gatch MB, Lal H. **Adenosine modulation of acute and chronic ethanol-induced changes in nociception [Abstract].** Alcoholism, Clinical and Experimental Research 1999 May;23(5, suppl):51A.

Gatch MB, Lal H. **Benzodiazepine modulation of acute and chronic ethanol-induced changes in nociception [Abstract].** NIDA Research Monograph 1999;179:234.

Gatch MB, Lal H. **Effects of ethanol and ethanol withdrawal on nociception in rats.** Alcoholism, Clinical and Experimental Research 1999 Feb;23(2):328-33.

Gatch MB, Negus SS, Mello NK. **Antinociceptive effects of cocaine in rhesus monkeys.** Pharmacology, Biochemistry and Behavior 1999 Feb;62(2):291-7.

Gatch MB, Wallis CJ, Lal H. **The effects of adenosine ligands R-PIA and CPT on ethanol withdrawal.** Alcohol 1999 Aug;19(1):9-14.

Gatch MB, Wallis CJ, Lal H. **Effects of NMDA antagonists on ethanol-withdrawal induced "anxiety" in the elevated plus maze.** Alcohol 1999 Nov;19(3):207-11.

Jung ME, Wallis CJ, Gatch MB, Lal H. **Sex differences in the pentylenetetrazol-like stimulus induced by ethanol withdrawal.** Journal of Pharmacology and Experimental Therapeutics 1999 Nov;291(2):576-82.

Suzy A. Griffin
Research Assistant

Luedtke RR, Griffin SA, Conroy SS, Jin X, Pinto A, Sesack SR. **Immunoblot and immunohistochemical comparison of murine monoclonal antibodies specific for the rat D1a and D1b dopamine receptor subtypes.** Journal of Neuroimmunology 1999 Nov 15;101(2):170-87.

Christian L. Hart
Student Assistant

Morris P, Hart CL, Mishalanie JF, Beeny C, Reynolds R, Lal H, Forster MJ. **Caloric restriction dec[e]lerates the age-related decline of sensorimotor function in mice II [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):2071.

Ren-Qi Huang, Ph.D.
Research Assistant Professor

Dillon GH, Huang RQ, Fang MJ. **Direct inhibition of $GABA_A$ receptors by the tyrosine kinase inhibitor genistein [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):1482.

Huang RQ, Dillon GH. **Effect of extracellular pH on GABA-activated current in rat recombinant receptors and thin hypothalamic slices.** Journal of Neurophysiology 1999 Sep;82(3):1233-43.

Huang RQ, Dillon GH. **pH effect on $GABA_A$ receptors: influence of subunit composition, amino acid modification and intra- vs. extracellular stimulus [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):1481.

Huang RQ, Fang MJ, Dillon GH. **The tyrosine kinase inhibitor genistein directly inhibits GABA-A receptors.** Brain Research. Molecular Brain Research 1999 Apr 6;67(1):177-83.

Marianna E. Jung, Ph.D.
Postdoctoral Research Associate

Jung ME, Wallis CJ, Gatch MB, Lal H. **Sex differences in the pentylenetetrazol-like stimulus induced by ethanol withdrawal.** Journal of Pharmacology and Experimental Therapeutics 1999 Nov;291(2):576-82.

George R. King, Ph.D.
Research Associate Professor

King GR, Xiong Z, Douglas S, Lee TH, Ellinwood EH. **The effects of continuous cocaine dose on the induction of behavioral tolerance and dopamine autoreceptor function.** European Journal of Pharmacology 1999 Jul 9;376(3):207-15.

King GR, Xiong Z, Ellinwood EH. **Blockade of accumbens 5-HT3 receptor down-regulation by ondansetron administered during continuous cocaine administration.** European Journal of Pharmacology 1999 Jan 8;364(2-3):79-87.

King GR, Xiong Z, Ellinwood EH. **Withdrawal from continuous cocaine administration: time dependent changes in accumbens 5-HT3 receptor function and behavioral tolerance.** Psychopharmacology (Berlin) 1999 Mar;142(4):352-9.

Harbans Lal, Ph.D.
Professor and Chair

Forster MJ, Lal H. **Estimating age-related changes in psychomotor function: influence of practice and of level of caloric intake in different genotypes.** Neurobiology of Aging 1999 Mar-Apr;20(2):167-76.

Gatch MB, Lal H. **Adenosine modulation of acute and chronic ethanol-induced changes in nociception [Abstract].** Alcoholism, Clinical and Experimental Research 1999 May;23(5, suppl):51A.

Gatch MB, Lal H. **Benzodiazepine modulation of acute and chronic ethanol-induced changes in nociception [Abstract].** NIDA Research Monograph 1999;179:234.

Gatch MB, Lal H. **Effects of ethanol and ethanol withdrawal on nociception in rats.** Alcoholism, Clinical and Experimental Research 1999 Feb;23(2):328-33.

Gatch MB, Wallis CJ, Lal H. **The effects of adenosine ligands R-PIA and CPT on ethanol withdrawal.** Alcohol 1999 Aug;19(1):9-14.

Gatch MB, Wallis CJ, Lal H. **Effects of NMDA antagonists on ethanol-withdrawal induced "anxiety" in the elevated plus maze.** Alcohol 1999 Nov;19(3):207-11.

Jung ME, Wallis CJ, Gatch MB, Lal H. **Sex differences in the pentylenetetrazol-like stimulus induced by ethanol withdrawal.** Journal of Pharmacology and Experimental Therapeutics 1999 Nov;291(2):576-82.

Lal H, Forster MJ, Mahadik SP. **Neuroprotection.** In: Adelman G. Encyclopedia of neuroscience. 2nd ed. New York: Elsevier; 1999. pp. 1440-3.

McDonald SR, Koller B, Lal H, Forster MJ. **Coenzyme Q_{10} and ∀-tocopherol reverse learning and memory impairments in aged mice [Abstract].** Abstracts - Society for Neuroscience 1999;25(pt.1):1318.

Morris P, Hart CL, Mishalanie JF, Beeny C, Reynolds R, Lal H, Forster MJ. **Caloric restriction dec[e]lerates the age-related decline of sensorimotor function in mice II [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):2071.

Rezazadeh SM, Lal H, Forster MJ, Uzbay IT. **Effects of NMDA receptor blockers and nitric oxide synthase inhibitors on cocaine-induced locomotor activity in mice [Abstract].** Abstracts - Society for Neuroscience 1999;25(pt.2):1717.

Uzbay IT, Grewal JS, Wallis CJ, Dungan LF, Lal H. **Nitric oxide synthase inhibition attenuates saccharin or ethanol reinforced responding in Long-Evans rats.** Progress in Neuro-Psychopharmacology and Biological Psychiatry 1998 Nov;22(8):1411-23.

Robert R. Luedtke, Ph.D.
Associate Professor

Hammond PS, Cheney JT, Johnston DE, Ehrenkaufer RL, Luedtke RR, Mach RH. **Synthesis, *in vitro* dopamine D_2 and D_3 receptor binding and quantitative structure-activity studies on substituted 2,3-dimethoxy-n-(1-benzyl-4-piperidinyl)benzamides and related compounds.** Medicinal Chemistry Research 1999;9(1):35-49.

Luedtke RR, Griffin SA, Conroy SS, Jin X, Pinto A, Sesack SR. **Immunoblot and immunohistochemical comparison of murine monoclonal antibodies specific for the rat D1a and D1b dopamine receptor subtypes.** Journal of Neuroimmunology 1999 Nov 15;101(2):170-87.

Nader MA, Green KL, Luedtke RR, Mach RH. **The effects of benzamide analogues on cocaine self-administration in rhesus monkeys.** Psychopharmacology (Berlin) 1999 Nov;147(2):143-52.

Michael W. Martin, Ph.D.
Assistant Professor

Bell-Horner CL, Martin MW, Drewe JA, Dillon GH. **Inhibition of $GABA_A$ receptors by the cyclodiene dieldrin is enhanced in receptors lacking an ∀ subunit [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):1481.

Watenpaugh DE, Wasmund SL, Shirley JS, Wasmund WL, Martin MW, Muenter NK, Smith ML. **Sleep restriction and adrenergic responses to stress [Abstract].** Physiologist 1999 Oct;42(5):A-5.

Yagle M, Martin MW, de Fiebre CM, de Fiebre NC, Drewe JA, Dillon GH. **[^{3}H] ethynylbicycloorthobenzoate ([^{3}H] EBOB) binding in rat cerebellum and recombinant $GABA_A$ receptors [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):1713.

Yagle M, Martin MW, de Fiebre CM, Dillon GH. **[^{3}H] ethynylbicycloorthobenzoate ([^{3}H] EBOB) binding in rat cerebellum and recombinant $GABA_A$ receptors [Abstract].** Proceedings of the Society for Experimental Biology and Medicine 1999 Jul;221(3):267.

Jason F. Mishalanie
Student Assistant

Morris P, Hart CL, Mishalanie JF, Beeny C, Reynolds R, Lal H, Forster MJ. **Caloric restriction dec[e]lerates the age-related decline of sensorimotor function in mice II [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):2071.

Paul Morris, Ph.D.
Senior Research Associate

Bailey B, Morris P, McMartin KI, Klein J, Duhart HM, Gillam MP, Binienda Z, Slikker W, Paule MG, Koren G. **Transplacental pharmacokinetics of cocaine and benzoylecgonine in plasma and hair of rhesus monkeys.** Reproductive Toxicology 1998 Sep-Oct;12(5):517-23.

Fogle CM, Morris P, Woolfolk L, Duhart HM, Paule MG, Slikker W, Ali SF. **Chronic exposure to manganese produces behavior alterations in rats: correlation with monoamine levels [Abstract].** Neurotoxicology 1998 Jun;19(3):467.

Morris P, Gillam MP, Lensing S, Paule MG. **Acute effects of haloperidol on operant behavior in rhesus monkey offspring exposed to cocaine in-utero [Abstract].** FASEB Journal 1998 Mar 17;12(4):A159.

Morris P, Gillam MP, Parker J, McCarty C, Paule MG. **Effects of chronic methylphenidate on operant behavior in the rhesus monkey II [Abstract].** Toxicological Sciences 1998 Mar;42(1):304.

Morris P, Hand BT, Lundy PM. **Possible mechanism for effects of atropine and HI-6 on avoidance behavior in the rat [Abstract].** FASEB Journal 1999 Mar 12;13(4):A140.

Morris P, Hart CL, Mishalanie JF, Beeny C, Reynolds R, Lal H, Forster MJ. **Caloric restriction dec[e]lerates the age-related decline of sensorimotor function in mice II [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):2071.

Morris P, Tsang R, Hand BT, Lundy PM, Hamilton MG. **Use of a behavioral test battery to assess the behavioral effects following exposure to the organophosphate soman [Abstract].** Neurotoxicology 1999 Feb;20(1):120.

Paule MG, Gillam MP, Morris P. **The effects of cocaine on nonhuman primate brain function are age dependent.** Annals of the New York Academy of Sciences 1998;844:178-82.

Michael W. Oglesby, Ph.D.
Professor

Ripley TL, Rocha BA, Oglesby MW, Stephens DN. **Increased sensitivity to cocaine, and over-responding during cocaine self-administration in tPA knockout mice.** Brain Research 1999 Apr 24;826(1):117-27.

Iok-Hou Pang, Ph.D.
Adjunct Associate Professor

Agarwal N, Krishnamoorthy RR, Prasanna G, Pang I-H, Wordinger RJ, Yorio T. **Characterization of a putative clonal retinal ganglion cell line from transformed mixed retinal cells [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S763.

Howe WE, Pang I-H, Clark AF. **Development of an in vitro model of glaucoma optic neuropathy using NT2N neurons [Abstract].** Molecular Biology of the Cell 1999 Nov;10(suppl):231a.

Pang I-H, McCartney MD, Smith RS, John SW, Clark AF. **Age-dependent changes in ocular morphology of a spontaneous ocular hypertensive mouse strain (DBA/2J) [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S671.

Pang I-H, Wexler EM, Nawy S, DeSantis LM, Kapin MA. **Protection by eliprodil against excitotoxicity in cultured rat retinal ganglion cells.** Investigative Ophthalmology and Visual Science 1999 May;40(6):1170-6.

Martine Pastorcic, Ph.D.
Postdoctoral Research Associate

Pastorcic M, Das HK. **An upstream element containing an ETS binding site is crucial for transcription of the human presenilin-1 gene.** Journal of Biological Chemistry 1999 Aug 20;274(34):24297-307.

Ganesh Prasanna, Ph.D.
Research Assistant Professor

Agarwal N, Krishnamoorthy RR, Prasanna G, Pang I-H, Wordinger RJ, Yorio T. **Characterization of a putative clonal retinal ganglion cell line from transformed mixed retinal cells [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S763.

Dibas AI, Prasanna G, Yorio T. **Phenylarsine oxide inhibits phosphate uptake in human ciliary non-pigmented epithelial cells.** Journal of Ocular Pharmacology and Therapeutics 1999 Jun;15(3):241-50.

Prasanna G, Dibas AI, Finkley A, Yorio T. **Identification of endothelin converting enzyme-1 in human non-pigmented ciliary epithelial cells.** Experimental Eye Research 1999 Aug;69(2):175-83.

Prasanna G, Dibas AI, Yorio T. **Modulatory effects of cholinergic and adrenergic agents on endothelin-1-induced $[Ca^{2+}]_i$ mobilization in human ciliary smooth muscle cells [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S394.

Yorio T, Dibas AI, Prasanna G. **Endothelin-1 decreases $^{86}RB^+$ uptake in human non-pigmented ciliary epithelial cells by inhibiting Na^+/K^+-ATPase [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S497.

Eugene E. Quist, Ph.D.
Associate Professor

Quist EE, Nimman S, Vasan R. **Regulation of guanine nucleotide turnover on Gi/Go by agonist-stimulated and spontaneously active muscarinic receptors in canine membranes.** Archives of Biochemistry and Biophysics 1999 Jan 1;361(1):57-64.

Paul M. Seymour
Research Assistant

de Fiebre NC, Seymour PM, de Fiebre CM. **Nicotine and the ∀7-selective nicotinic agonist, DMXB, attenuate chronic alcohol-induced deficits in learning [Abstract].** Abstracts - Society for Neuroscience 1999;25(1):1079.

de Fiebre NC, Seymour PM, Nair MP, de Fiebre CM. **The ∀7-selective nicotinic agonist, DMXB, may protect against ethanol-induced neurotoxicity [Abstract].** Alcoholism, Clinical and Experimental Research 1999 May;23(5, suppl):47A.

Naj A. Sharif, Ph.D.
Adjunct Associate Professor

Awe SO, Ohia SE, Sharif NA, Opere CA, Adams L. **Studies of [^{3}H]-5-hydroxytryptamine release from bovine and human anterior uvea [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S496.

Crider JY, Griffin BW, Sharif NA. **Prostaglandin DP receptors positively coupled to adenylyl cyclase in embryonic bovine tracheal (EBTr) cells: pharmacological characterization using agonists and antagonists.** British Journal of Pharmacology 1999 May;127(1):204-10.

Davis TL, Sharif NA. **Quantitative autoradiographic visualization and pharmacology of FP-prostaglandin receptors in human eyes using the novel phosphor-imaging technology.** Journal of Ocular Pharmacology and Therapeutics 1999 Aug;15(4):323-36.

Griffin BW, Klimko P, Crider JY, Sharif NA. **AL-8810: a novel prostaglandin F2 alpha analog with selective antagonist effects at the prostaglandin F2 alpha (FP) receptor.** Journal of Pharmacology and Experimental Therapeutics 1999 Sep;290(3):1278-84.

Offord EA, Sharif NA, Mace K, Tromvoukis Y, Spillare EA, Avanti O, Howe WE, Pfeifer AMA. **Immortalized human corneal epithelial cells for ocular toxicity and inflammation studies.** Investigative Ophthalmology and Visual Science 1999 May;40(6):1091-101.

Ohia SE, Sharif NA, Opere CA, Awe SO, Adams L. **Regulation of evoked [^{3}H]D-aspartate release from mammalian retina by glutamate receptor agonists [Abstract].** FASEB Journal 1999 Mar 12;13(4):A474.

Opere CA, Ohia SE, Sharif NA, Awe SO, Adams L. **Pharmacological characterization of glutamate-induced [^{3}H]D-aspartate release from mammalian retina [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S500.

Sharif NA, Davis RL. **Autoradiographic visualization and characterization of FP-prostaglandin receptors in human eyes using [^{3}H]PGF$_{2\forall}$ and [^{3}H]AL-5848, the acid form of travoprost [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S171.

Sharif NA, Davis TL, Williams GW. **[^{3}H]AL-5848 ([^{3}H]9beta-(+)-Fluprostenol). Carboxylic acid of travoprost (AL-6221), a novel FP prostaglandin to study the pharmacology and autoradiographic localization of the FP receptor.** Journal of Pharmacy and Pharmacology 1999 Jun;51(6):685-94.

Sharif NA, Xu SX. **Human retina contains polyamine sensitive [^{3}H]-ifenprodil binding sites: implications for neuroprotection?** British Journal of Ophthalmology 1999 Feb;83(2):236-40.

Sharif NA, Xu SX. **Pharmacological characterization of [^{3}H]-ifenprodil binding to polyamine binding sites on rabbit and rat retinal homogenates: role in neuroprotection?** Journal of Ocular Pharmacology and Therapeutics 1999 Jun;15(3):271-81.

Yanni JM, Sharif NA, Gamache DA, Miller ST, Weimer LK, Spellman JM. **A current appreciation of sites for pharmacological intervention in allergic conjunctivitis: effects of new topical ocular drugs.** Acta Ophthalmologica Scandinavica. Supplement 1999;(228):33-7.

Yanni JM, Weimer LK, Sharif NA, Xu SX, Gamache DA, Spellman JM. **Inhibition of histamine-induced human conjunctival epithelial cell responses by ocular allergy drugs.** Archives of Ophthalmology 1999 May;117(5):643-7.

Raj S. Sohal, Ph.D.
Adjunct Professor

Lass A, Forster MJ, Sohal RS. **Effects of coenzyme Q10 and alpha-tocopherol administration on their tissue levels in the mouse: elevation of mitochondrial alpha-tocopherol by coenzyme Q10.** Free Radical Biology and Medicine 1999 Jun;26(11-12):1375-82.

Sohal RS, Wennberg-Kirch E, Jaiswal K, Kwong LK, Forster MJ. **Effect of age and caloric restriction on bleomycin-chelatable and nonheme iron in different tissues of C57BL/6 mice.** Free Radical Biology and Medicine 1999 Aug;27(3-4):287-93.

Ranga Vasan
Senior Research Assistant

Quist EE, Nimman S, Vasan R. **Regulation of guanine nucleotide turnover on Gi/Go by agonist-stimulated and spontaneously active muscarinic receptors in canine membranes.** Archives of Biochemistry and Biophysics 1999 Jan 1;361(1):57-64.

Cleatus J. Wallis, Ph.D.
Research Assistant Professor

Gatch MB, Wallis CJ, Lal H. **The effects of adenosine ligands R-PIA and CPT on ethanol withdrawal.** Alcohol 1999 Aug;19(1):9-14.

Gatch MB, Wallis CJ, Lal H. **Effects of NMDA antagonists on ethanol-withdrawal induced "anxiety" in the elevated plus maze.** Alcohol 1999 Nov;19(3):207-11.

Jung ME, Wallis CJ, Gatch MB, Lal H. **Sex differences in the pentylenetetrazol-like stimulus induced by ethanol withdrawal.** Journal of Pharmacology and Experimental Therapeutics 1999 Nov;291(2):576-82.

Uzbay IT, Grewal JS, Wallis CJ, Dungan LF, Lal H. **Nitric oxide synthase inhibition attenuates saccharin or ethanol reinforced responding in Long-Evans rats.** Progress in Neuro-Psychopharmacology and Biological Psychiatry 1998 Nov;22(8):1411-23.

Uzbay IT, Wallis CJ. **Lack of tolerance to ethanol-induced motor impairment on accelerod performance in rats.** Pharmacology, Biochemistry and Behavior 1999 Aug;63(4):607-11.

Thomas Yorio, Ph.D.
Professor and Dean of Graduate School of Biomedical Sciences

Agarwal N, Krishnamoorthy RR, Prasanna G, Pang I-H, Wordinger RJ, Yorio T. **Characterization of a putative clonal retinal ganglion cell line from transformed mixed retinal cells [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S763.

Dibas AI, Prasanna G, Yorio T. **Phenylarsine oxide inhibits phosphate uptake in human ciliary non-pigmented epithelial cells.** Journal of Ocular Pharmacology and Therapeutics 1999 Jun;15(3):241-50.

Prasanna G, Dibas AI, Finkley A, Yorio T. **Identification of endothelin converting enzyme-1 in human non-pigmented ciliary epithelial cells.** Experimental Eye Research 1999 Aug;69(2):175-83.

Prasanna G, Dibas AI, Yorio T. **Modulatory effects of cholinergic and adrenergic agents on endothelin-1-induced $[Ca^{2+}]_i$ mobilization in human ciliary smooth muscle cells [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S394.

Yorio T. **1998 Louisa Burns Memorial Lecture: can teaching and research coexist?** Journal of the American Osteopathic Association 1999 Mar;99(3):157-8, 161-2.

Yorio T, Dibas AI, Prasanna G. **Endothelin-1 decreases $^{86}RB^{+}$ uptake in human non-pigmented ciliary epithelial cells by inhibiting Na^{+}/K^{+}-ATPase [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S497.

Division of Clinical Sciences

Clinical Research

Paul D. Brittain, M.P.H.
Research Development Manager

Brittain PD, Stoll ST, Dickey JA, Licciardone JC, Romanski VV. **Efficacy of osteopathic manipulative treatment in improving clinical outcomes in patients with orthopedic diagnoses admitted to a hospital-based rehabilitation unit [Abstract].** Journal of the American Osteopathic Association 1999 Aug;99(8):422.

Family Medicine

Howard F. Clarke, PA-C
Instructor

Clarke HF. **Physician assistant, heal thyself.** Clinical Advisor 1999 May;2(5):15.

Samuel T. Coleridge, D.O.
Professor and Chair

Coustasse A, Schutkowski D, Cervantes Y, Mains DA, Coleridge ST. **Community cost/benefit of a hypertensive screening within a geriatric Texas rural community [Abstract].** Journal of the American Osteopathic Association 1999 Aug;99(8):426.

Larry Johnson, M.S.W.
Assistant Professor

Prather ID, MacCall S, Cleveland A, Johnson L, Morrow J. **The clinical digital libraries project [Abstract].** Journal of the American Osteopathic Association 1999 Sep;99(9):490.

Jay Morrow, D.V.M.
Medical Informatics Coordinator

Prather ID, MacCall S, Cleveland A, Johnson L, Morrow J. **The clinical digital libraries project [Abstract].** Journal of the American Osteopathic Association 1999 Sep;99(9):490.

Patti Pagels, PA-C
Instructor

Pagels P. **Osgood-Schlatter disease.** In: Dehn RW, editor. Moser's primary care for physician assistants : companion handbook. New York: McGraw-Hill; 1999. pp. 496-8.

Irvine D. Prather, D.O.
Associate Professor

Prather ID. **Treatment of confirmed brown recluse spider bite with hyperbaric oxygen: a case report.** Family Medicine 1999 May;3(5):8-10.

Prather ID, MacCall S, Cleveland A, Johnson L, Morrow J. **The clinical digital libraries project [Abstract].** Journal of the American Osteopathic Association 1999 Sep;99(9):490.

Alan R. Stockard, D.O.
Assistant Professor

Pizza FX, Cavender D, Stockard AR, Baylies H, Beighle A. **Anti-inflammatory doses of ibuprofen: effect on neutrophils and exercise-induced muscle injury.** International Journal of Sports Medicine 1999 Feb;20(2):98-102.

Internal Medicine

Francis X. Blais, D.O.
Professor

Weis SE, Foresman BH, Matty KJ, Brown AC, Blais FX, Burgess G, King B, Cook PE, Slocum PC. **Treatment costs of directly observed therapy and traditional therapy for Mycobacterium tuberculosis: a comparative analysis.** International Journal of Tuberculosis and Lung Disease 1999 Nov;3(11):976-84.

Andrew C. Brown, D.O.
Assistant Professor

Weis SE, Foresman BH, Matty KJ, Brown AC, Blais FX, Burgess G, King B, Cook PE, Slocum PC. **Treatment costs of directly observed therapy and traditional therapy for Mycobacterium tuberculosis: a comparative analysis.** International Journal of Tuberculosis and Lung Disease 1999 Nov;3(11):976-84.

Michael B. Clearfield, D.O.
Professor and Chair

Downs JR, Beere PA, Clearfield MB, Weis SE, Whitney EJ, Shapiro DR, Kruyer WB, Watson DJ, Gotto AM Jr. **Air Force/Texas Coronary Atherosclerosis Prevention Study: lipid modification and risk associated with non-lipid risk factors [Abstract].** Journal of the American College of Cardiology 1999 Feb;33(2, suppl. A):244A.

Gotto AMJr, Stein EA, Downs JR, Clearfield MB, Weis SE, Whitney EJ, Beere PA, Shapiro DR. **AirForce/Texas Coronary Atherosclerosis Prevention Study (AFCAPS/TexCAPS): relation of risk to baseline non-HDL cholesterol [Abstract].** Circulation 1999 Nov 2;100(18, suppl):I-197.

Gotto AMJr, Whitney EJ, Stein EA, Shapiro DR, Clearfield MB, Weis SE, Beere PA, Watson DJ, Downs JR, de Cani JS. **Air Force/Texas Coronary Atherosclerosis Prevention Study: relative benefit of primary prevention in subgroups with different absolute risk according to U.S. NCEP ATP-II and joint European guidelines [Abstract].** European Heart Journal 1999 Aug;20(abstract suppl):473.

Gotto AM Jr, Whitney EJ, Stein EA, Shapiro DR, Clearfield MB, Weis SE, Watson DJ, Cook JR, Beere PA, Downs JR. **Predicting risk of first acute major coronary events (AMCEs) in the Air Force/Texas Coronary Atherosclerosis Prevention Study (AFCAPS/TexCAPS) [Abstract].** Journal of the American College of Cardiology 1999 Feb;33(2, suppl. A):263A.

Kruyer WB, Zagrebelsky V, Farmer J, Yu Q, Downs JR, Clearfield MB, Weis SE, Whitney EJ, Shapiro DR, Beere PA, Gotto, AM Jr. **Air Force/Texas Coronary Atherosclerosis Prevention Study: invasive procedures and extent of disease [Abstract].** European Heart Journal 1999 Aug;20(abstract suppl):238.

Brian H. Foresman, D.O.
Clinical Assistant Professor

Foresman BH. **Beyond the 'box' [Editorial].** Journal of the American Osteopathic Association 1999 May;99(5):251.

Foresman BH. **'If you don't take a temperature ...' [Editorial].** Journal of the American Osteopathic Association 1999 Apr;99(4):202.

Foresman BH. **The journey of a thousand miles is worth the trip [Editorial].** Journal of the American Osteopathic Association 1999 Mar;99(3):140.

Weis SE, Foresman BH, Cook PE, Matty KJ. **Universal HIV screening at a major metropolitan TB clinic: HIV prevalence and high-risk behaviors among TB patients.** American Journal of Public Health 1999 Jan;89(1):73-5.

Weis SE, Foresman BH, Matty KJ, Brown AC, Blais FX, Burgess G, King B, Cook PE, Slocum PC. **Treatment costs of directly observed therapy and traditional therapy for Mycobacterium tuberculosis: a comparative analysis.** International Journal of Tuberculosis and Lung Disease 1999 Nov;3(11):976-84.

Mitchell D. Forman, D.O.
Associate Professor

Pertusi RM, Godwin KS, House JK, Knebl JA, Alexander JH, Rubin BR, Forman MD. **Gastropathy induced by nonsteroidal anti-inflammatory drugs: prescribing patterns among geriatric practitioners.** Journal of the American Osteopathic Association 1999 Jun;99(6):305-10.

Karen S. Godwin, Ph.D.
Research Assistant Professor

Pertusi RM, Godwin KS, House JK, Knebl JA, Alexander JH, Rubin BR, Forman MD. **Gastropathy induced by nonsteroidal anti-inflammatory drugs: prescribing patterns among geriatric practitioners.** Journal of the American Osteopathic Association 1999 Jun;99(6):305-10.

William M. Jordan, D.O.
Clinical Assistant Professor

Jordan WM. **Breast cancer today.** Texas D.O. 1999 Oct;56(9):7-8.

Janice A. Knebl, D.O.
Associate Professor

Pertusi RM, Godwin KS, House JK, Knebl JA, Alexander JH, Rubin BR, Forman MD. **Gastropathy induced by nonsteroidal anti-inflammatory drugs: prescribing patterns among geriatric practitioners.** Journal of the American Osteopathic Association 1999 Jun;99(6):305-10.

Gregory G. Marino, D.O.
Associate Professor

Marino GG. **Advances in the treatment of breast cancer.** Texas D.O. 1999 Oct;56(9):9.

Marino GG. **Questions on 'Hairy cell leukemia' case report [Letter].** Journal of the American Osteopathic Association 1999 Aug;99(8):394-5.

Marino GG. **Screening for hemochromatosis can prevent serious disease [Letter].** Journal of the American Osteopathic Association 1999 May;99(5):240-1.

Walter J. McConathy, Ph.D.
Associate Professor

Dickerman RD, Pertusi RM, Zachariah NY, Dufour DR, McConathy WJ. **Anabolic steroid-induced hepatotoxicity: is it overstated?** Clinics in Sports Medicine 1999 Jan;9(1):34-9.

Dickerman RD, Smith GH, Langham-Roof L, McConathy WJ, East JW, Smith AB. **Intra-ocular pressure changes during maximal isometric contraction: does this reflect intra-cranial pressure or retinal venous pressure?** Neurological Research 1999 Apr;21(3):243-6.

Kalman J, Kudchodkar BJ, Murray KR, McConathy WJ, Juhasz A, Janka Z, Lacko AG. **Evaluation of serum-lipid-related cardiovascular risk factors in Alzheimer's disease.** Dementia and Geriatric Cognitive Disorders 1999 Nov;10(6):488-93.

Murray KR, Nair MP, McConathy WJ, Lacko AG. **Enzyme linked immunoassay (ELISA) for lecithin:cholesterol acyltransferase (LCAT).** Analytical Letters 1999;32(8):1553-64.

Smith AB, Dickerman RD, McGuire CS, East JW, McConathy WJ, Pearson HF. **Pressure-overload-induced sliding hiatal hernia in power athletes.** Journal of Clinical Gastroenterology 1999 Jun;28(4):352-4.

Tavella M, Tomasek J, Mills E, McConathy WJ. **Lp(a) and LDL2: differences in fatty acid composition and collagen lattice contraction activity.** Acta Physiologica, Pharmacologica Et Therapeutica Latinoamericana 1999;49(2):93-9.

William E. McIntosh, D.O.
Associate Professor

Barker DJ, Aschenbrenner JE, Orr EL, Turner JE, Barron BA, Forster MJ, Garner MH, McIntosh WE, Smith GH. **Integrating multimedia and case presentations in a first year medical neuroscience course [Abstract].** Abstracts - Society for Neuroscience 1999;25(pt.1):267.

Raymond M. Pertusi, D.O.
Associate Professor

Dickerman RD, Pertusi RM, Miller J, Zachariah NY. **Androgen-induced erythrocytosis: is it erythropoietin? [Letter].** American Journal of Hematology 1999 Jun;61(2):154-5.

Dickerman RD, Pertusi RM, Zachariah NY, Dufour DR, McConathy WJ. **Anabolic steroid-induced hepatotoxicity: is it overstated?** Clinics in Sports Medicine 1999 Jan;9(1):34-9.

Pertusi RM. **Novel therapeutic options bring hope to patients with rheumatic conditions--and to the physicians who treat them [Editorial].** Journal of the American Osteopathic Association 1999 Jun;99(6):300-1.

Pertusi RM, Godwin KS, House JK, Knebl JA, Alexander JH, Rubin BR, Forman MD. **Gastropathy induced by nonsteroidal anti-inflammatory drugs: prescribing patterns among geriatric practitioners.** Journal of the American Osteopathic Association 1999 Jun;99(6):305-10.

Waller K, McGill JC, Pertusi RM, Franks SF, Harrell E. **Neuropsychological functioning in systemic lupus erythematosus [Abstract].** Archives of Clinical Neuropsychology 1999;14:146.

I. Philip Reese, D.O.
Assistant Professor

Formes KJ, Wray DW, Welch-O'Connor RM, Olivencia-Yurvati AH, Reese IP, Shi X. **Atropine reduces the transfer function magnitude of systolic blood pressure (SBP) to pulse interval (PI) [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S197.

Wray DW, Formes KJ, Welch-O'Connor RM, Olivencia-Yurvati AH, Reese IP, Shi X. **Atropine diminishes the function of blood pressure (BP) regulation at the onset of orthostatic stress [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S337.

Bernard R. Rubin, D.O.
Professor

Pertusi RM, Godwin KS, House JK, Knebl JA, Alexander JH, Rubin BR, Forman MD. **Gastropathy induced by nonsteroidal anti-inflammatory drugs: prescribing patterns among geriatric practitioners.** Journal of the American Osteopathic Association 1999 Jun;99(6):305-10.

Rubin BR. **Specific cyclooxygenase-2 (COX-2) inhibitors.** Journal of the American Osteopathic Association 1999 Jun;99(6):322-5.

Frederick A. Schaller, D.O.
Associate Professor

Dickerman RD, Schaller FA, McGuirre S. **Does aortic valve calcium correlate with coronary artery calcium in young power athletes?** American Journal of Cardiology 1999 Apr 15;83(8):1300.

Philip C. Slocum, D.O.
Associate Professor

Weis SE, Foresman BH, Matty KJ, Brown AC, Blais FX, Burgess G, King B, Cook PE, Slocum PC. **Treatment costs of directly observed therapy and traditional therapy for Mycobacterium tuberculosis: a comparative analysis.** International Journal of Tuberculosis and Lung Disease 1999 Nov;3(11):976-84.

Craig W. Spellman, D.O., Ph.D.
Associate Professor

Spellman CW. **Type 2 diabetes: a new problem emerging in children.** Texas D.O. 1999 Nov;56(10):7-8.

Stephen E. Weis, D.O.
Professor

Downs JR, Beere PA, Clearfield MB, Weis SE, Whitney EJ, Shapiro DR, Kruyer WB, Watson DJ, Gotto AM Jr. **Air Force/Texas Coronary Atherosclerosis Prevention Study: lipid modification and risk associated with non-lipid risk factors [Abstract].** Journal of the American College of Cardiology 1999 Feb;33(2, suppl. A):244A.

Gotto AMJr, Stein EA, Downs JR, Clearfield MB, Weis SE, Whitney EJ, Beere PA, Shapiro DR. **AirForce/Texas Coronary Atherosclerosis Prevention Study (AFCAPS/TexCAPS): relation of risk to baseline non-HDL cholesterol [Abstract].** Circulation 1999 Nov 2;100(18, suppl):I-197.

Gotto AMJr, Whitney EJ, Stein EA, Shapiro DR, Clearfield MB, Weis SE, Beere PA, Watson DJ, Downs JR, de Cani JS. **Air Force/Texas Coronary Atherosclerosis Prevention Study: relative benefit of primary prevention in subgroups with different absolute risk according to U.S. NCEP ATP-II and joint European guidelines [Abstract].** European Heart Journal 1999 Aug;20(abstract suppl):473.

Gotto AM Jr, Whitney EJ, Stein EA, Shapiro DR, Clearfield MB, Weis SE, Watson DJ, Cook JR, Beere PA, Downs JR. **Predicting risk of first acute major coronary events (AMCEs) in the Air Force/Texas Coronary Atherosclerosis Prevention Study (AFCAPS/TexCAPS) [Abstract].** Journal of the American College of Cardiology 1999 Feb;33(2, suppl. A):263A.

Kruyer WB, Zagrebelsky V, Farmer J, Yu Q, Downs JR, Clearfield MB, Weis SE, Whitney EJ, Shapiro DR, Beere PA, Gotto AM Jr. **Air Force/Texas Coronary Atherosclerosis Prevention Study: invasive procedures and extent of disease [Abstract].** European Heart Journal 1999 Aug;20(abstract suppl):238.

Weis SE, Foresman BH, Cook PE, Matty KJ. **Universal HIV screening at a major metropolitan TB clinic: HIV prevalence and high-risk behaviors among TB patients.** American Journal of Public Health 1999 Jan;89(1):73-5.

Weis SE, Foresman BH, Matty KJ, Brown AC, Blais FX, Burgess G, King B, Cook PE, Slocum PC. **Treatment costs of directly observed therapy and traditional therapy for Mycobacterium tuberculosis: a comparative analysis.** International Journal of Tuberculosis and Lung Disease 1999 Nov;3(11):976-84.

Manipulative Medicine

Russell G. Gamber, D.O.
Associate Professor

Licciardone JC, Gamber RG, Herron KM. **Patient satisfaction and clinical outcomes associated with osteopathic manipulative treatment [Abstract].** Journal of the American Osteopathic Association 1999 Aug;99(8):429.

Noll DR, Gamber RG, Swift JJr., Johnson JC. **Somatic dysfunction findings from the OMT in the Elderly Hospitalized with Pneumonia Study [Abstract].** Journal of the American Osteopathic Association 1999 Aug;99(8):422.

Medical Education

Jerry H. Alexander, Ph.D.
Associate Professor

Pertusi RM, Godwin KS, House JK, Knebl JA, Alexander JH, Rubin BR, Forman MD. **Gastropathy induced by nonsteroidal anti-inflammatory drugs: prescribing patterns among geriatric practitioners.** Journal of the American Osteopathic Association 1999 Jun;99(6):305-10.

Ann P. Brooks, M.L.S.
Assistant Professor

Brooks AP, Carter BR, Elam CS, Johnson LF, Martin D, Onsager LW, Sanders RS. **Osteopathic research literature database [Abstract].** Journal of the American Osteopathic Association 1999 Sep;99(9):489.

Bobby R. Carter, M.L.S.
Associate Professor

Brooks AP, Carter BR, Elam CS, Johnson LF, Martin D, Onsager LW, Sanders RS. **Osteopathic research literature database [Abstract].** Journal of the American Osteopathic Association 1999 Sep;99(9):489.

Craig S. Elam, M.L.S.
Assistant Professor

Brooks AP, Carter BR, Elam CS, Johnson LF, Martin D, Onsager LW, Sanders RS. **Osteopathic research literature database [Abstract].** Journal of the American Osteopathic Association 1999 Sep;99(9):489.

Lynn F. Johnson, M.I.S., C.A.S.
Instructor

Brooks AP, Carter BR, Elam CS, Johnson LF, Martin D, Onsager LW, Sanders RS. **Osteopathic research literature database [Abstract].** Journal of the American Osteopathic Association 1999 Sep;99(9):489.

Johnson LF. **Index to volume 98.** Journal of the American Osteopathic Association 1998 Dec;98(12):703-13.

Johnson LF. **Subject index to volume 98.** Journal of the American Osteopathic Association 1999 Jan;99(1):42-60.

Joel H. Lanphear, Ph.D.
Associate Professor and Vice Chair

Lanphear JH. **Twenty years beyond Alma Ata: maintaining curriculum reform into the new millennium.** Education for Health 1999 Nov;12(3):355-63.

Dohn Martin, M.L.S.
Instructor

Brooks AP, Carter BR, Elam CS, Johnson LF, Martin D, Onsager LW, Sanders RS. **Osteopathic research literature database [Abstract].** Journal of the American Osteopathic Association 1999 Sep;99(9):489.

Frank J. Papa, D.O., Ph.D.
Professor and Chair

Papa FJ, Aldrich DG, Schumacker RE. **The effects of immediate online feedback upon diagnostic performance.** Academic Medicine 1999 Oct;74(10, suppl):S16-8.

Papa FJ, Harasym PH. **Medical curriculum reform in North America, 1765 to the present: a cognitive science perspective.** Academic Medicine 1999 Feb;74(2):154-64.

Jack W. Raines, M.A.T., M.L.I.S.
Instructor

Raines JW. **Markup language--its development, components and use.** Network News 1999 May/June;42:1,5-6.

Jay H. Shores, Ph.D.
Associate Professor

Noll DR, Shores JH, Bryman PN, Masterson EV. **Adjunctive osteopathic manipulative treatment in the elderly hospitalized with pneumonia: a pilot study.** Journal of the American Osteopathic Association 1999 Mar;99(3):143-6;151-2.

Medical Humanities

Sue G. Lurie, Ph.D.
Assistant Professor

Lurie SG. **Leisure and the quality of working life in an academic health center.** High Plains Applied Anthropologist 1999;19(2):158-68.

Pathology

Arthur J. Eisenberg, Ph.D.
Associate Professor

Eisenberg AJ. **DNA advisory board standards.** Forensic Science Communications 1999 Jul;1(2):http://www.fbi.gov/programs/lab/fsc/backissu/july1999/abstractb.htm.

Public Health and Preventive Medicine

Robert L. Kaman, J.D., Ph.D.
Associate Professor

Kaman RL, Coggin CS, Helduser JW. **County considers worksite health promotion.** AWHP's Worksite Health 1999 Fall;6(4):34-40.

Psychiatry and Human Behavior

Susan F. Franks, Ph.D.
Assistant Professor

Hardie JC, Franks SF, Hall JR, Taylor S. **Neuropsychiatric AIDS rating and the FULD profile [Abstract].** Archives of Clinical Neuropsychology 1999;14:131.

Rubino-Watkins MF, Doster JA, Franks SF, Kelly KS, Sonnier BL, Goven AJ, Moorefield R. **Oral contraceptive use: implications for cognitive and emotional functioning.** Journal of Nervous and Mental Disease 1999 May;187(5):275-80.

Waller K, McGill JC, Pertusi RM, Franks SF, Harrell E. **Neuropsychological functioning in systemic lupus erythematosus [Abstract].** Archives of Clinical Neuropsychology 1999;14:146.

James R. Hall, Ph.D.
Associate Professor and Vice Chair

Hardie JC, Franks SF, Hall JR, Taylor S. **Neuropsychiatric AIDS rating and the FULD profile [Abstract].** Archives of Clinical Neuropsychology 1999;14:131.

Jerry C. McGill, Ph.D.
Associate Professor

Waller K, McGill JC, Pertusi RM, Franks SF, Harrell E. **Neuropsychological functioning in systemic lupus erythematosus [Abstract].** Archives of Clinical Neuropsychology 1999;14:146.

Radiology

Harris F. Pearson, D.O.
Clinical Associate Professor

Smith AB, Dickerman RD, McGuire CS, East JW, McConathy WJ, Pearson HF. **Pressure-overload-induced sliding hiatal hernia in power athletes.** Journal of Clinical Gastroenterology 1999 Jun;28(4):352-4.

Surgery

Albert H. Olivencia-Yurvati, D.O.
Clinical Associate Professor

Fadel PJ, Gallagher KM, Smith SA, Querry RG, Welch-O'Connor RM, Olivencia-Yurvati AH, Raven PB. **Role of chemical sensitive muscle receptors (CSMR) in the regulation of blood pressure and ventilation during dynamic exercise [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S226.

Formes KJ, Wray DW, Welch-O'Connor RM, Olivencia-Yurvati AH, Reese IP, Shi X. **Atropine reduces the transfer function magnitude of systolic blood pressure (SBP) to pulse interval (PI) [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S197.

Querry RG, Smith SA, Welch-O'Connor RM, Olivencia-Yurvati AH, Reese IP, Raven PB, Shi X. **Latency of peak tachycardia during graded hypotension [Abstract].** Medicine and Science in Sports and Exercise 1998 May;30(5, supp):S217.

Querry RG, Smith SA, Welch-O'Connor RM, Reese IP, Olivencia-Yurvati AH, Raven PB, Zhang R, Shi X. **Power spectral analyses of systemic arterial pressure and heart rate (HR) during central hypovolemia: effect of age [Abstract].** FASEB Journal 1998 Mar 20;12(5 pt.2):A987.

Smith SA, Gallagher KM, Welch-O'Connor RM, Olivencia-Yurvati AH, Reese IP, Shi X, Raven PB. **Model of aortic baroreflex function in humans [Abstract].** Medicine and Science in Sports and Exercise 1998 May;30(5, supp):S212.

Wray DW, Formes KJ, Welch-O'Connor RM, Olivencia-Yurvati AH, Reese IP, Shi X. **Atropine diminishes the function of blood pressure (BP) regulation at the onset of orthostatic stress [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S337.

Adam B. Smith, D.O.
Assistant Professor

Dickerman RD, Smith AB, Schuster D. **Postabdominoplasty hypertension: augmentation in the pressure systems? [Letter].** Annals of Plastic Surgery 1999 May;42(5):572-4.

Dickerman RD, Smith GH, Langham-Roof L, McConathy WJ, East JW, Smith AB. **Intra-ocular pressure changes during maximal isometric contraction: does this reflect intra-cranial pressure or retinal venous pressure?** Neurological Research 1999 Apr;21(3):243-6.

Smith AB, Dickerman RD, McGuire CS, East JW, McConathy WJ, Pearson HF. **Pressure-overload-induced sliding hiatal hernia in power athletes.** Journal of Clinical Gastroenterology 1999 Jun;28(4):352-4.

Gregory H. Smith, D.O.
Assistant Professor

Barker DJ, Aschenbrenner JE, Orr EL, Turner JE, Barron BA, Forster MJ, Garner MH, McIntosh WE, Smith GH. **Integrating multimedia and case presentations in a first year medical neuroscience course [Abstract].** Abstracts - Society for Neuroscience 1999;25(pt.1):267.

Dickerman RD, Smith GH, Langham-Roof L, McConathy WJ, East JW, Smith AB. **Intra-ocular pressure changes during maximal isometric contraction: does this reflect intra-cranial pressure or retinal venous pressure?** Neurological Research 1999 Apr;21(3):243-6.

School of Public Health

Claudia S. Coggin, M.S.
Instructor

Aylett KK, Coggin CS, Ball SJ, Peck DF, Jenkins D. **Program: Raising asthma awareness among African American teens.** Health Education & Behavior 1999 Oct;26(5):606-7.

Kaman RL, Coggin CS, Helduser JW. **County considers worksite health promotion.** AWHP's Worksite Health 1999 Fall;6(4):34-40.

Thomas J. Fairchild, Ph.D.
Associate Professor

Fairchild TJ, Lindh K. **Seamless care.** Urban Land 1998 Nov;57(11):66-9.

Janet Wiegman Helduser, M.A.
Health Promotions Manager

Kaman RL, Coggin CS, Helduser JW. **County considers worksite health promotion.** AWHP's Worksite Health 1999 Fall;6(4):34-40.

Pilmanis AA, Olson RM, Fischer MD, Helduser JW, Webb JT. **Exercise-induced altitude decompression sickness.** Aviation Space and Environmental Medicine 1999 Jan;70(1):22-9.

Katie M. Herron, M.P.H.
Clinical Research Technician

Licciardone JC, Gamber RG, Herron KM. **Patient satisfaction and clinical outcomes associated with osteopathic manipulative treatment [Abstract].** Journal of the American Osteopathic Association 1999 Aug;99(8):429.

John C. Licciardone, D.O.
Associate Professor

Brittain PD, Stoll ST, Dickey JA, Licciardone JC, Romanski VV. **Efficacy of osteopathic manipulative treatment in improving clinical outcomes in patients with orthopedic diagnoses admitted to a hospital-based rehabilitation unit [Abstract].** Journal of the American Osteopathic Association 1999 Aug;99(8):422.

Licciardone JC. **Health hazards reported by international travelers.** Journal of the American Osteopathic Association 1999 Apr;99(4):206-8.

Licciardone JC, Gamber RG, Herron KM. **Patient satisfaction and clinical outcomes associated with osteopathic manipulative treatment [Abstract].** Journal of the American Osteopathic Association 1999 Aug;99(8):429.

Douglas A. Mains, Dr.P.H.
Assistant Professor

Coustasse A, Schutkowski D, Cervantes Y, Mains DA, Coleridge ST. **Community cost/benefit of a hypertensive screening within a geriatric Texas rural community [Abstract].** Journal of the American Osteopathic Association 1999 Aug;99(8):426.

Fernando M. Trevino, Ph.D.
Professor and Dean of the School of Public Health

Haynes MA, Smedley BD, editors. **The unequal burden of cancer : an assessment of NIH research and programs for ethnic minorities and the medically underserved**. Trevino FM, member of the Committee on Cancer Research Among Minorities and the Medically Underserved. Washington, D.C.: National Academy Press; 1999. xi, 338 p.

Trevino FM. **Quality of health care for ethnic/racial minority populations.** Ethnicity and Health 1999 Aug;4(3):153-64.

Students

Graduate School of Biomedical Sciences

Yun Bai, M.S.

Bai Y, Zeng H, Grant SR, Raven PB, sponsor. **Transcriptional regulation of hypertrophy-sensitive genes by an inducible calcineurin expression system [Abstract].** FASEB Journal 1999 Mar 15;13(5):A769.

Zeng H, Valencia TG, Bai Y, Grant SR, Raven PB, sponsor. **Calcium/calmodulin-dependent enzymes regulate cardiac hypertrophy-sensitive gene expression [Abstract].** FASEB Journal 1999 Mar 15;13(5):A769.

Kent S. Boles

Boles KS, Barten R, Kumaresan PR, Trowsdale J, Mathew PA. **Cloning of a new lectin-like receptor expressed on human NK cells.** Immunogenetics 1999 Oct 11;50(1/2):1-7.

Boles KS, Nakajima H, Colonna M, Chuang SS, Stepp SE, Bennett M, Kumar V, Mathew PA. **Molecular characterization of a novel human natural killer cell receptor homologous to mouse 2B4.** Tissue Antigens 1999 Jul;54(1):27-34.

Roberto Cardarelli

Cardarelli R, Spies L. **Prepare the 'total' osteopathic physician for rural healthcare and public health roles [Letter].** Journal of the American Osteopathic Association 1999 Dec;99(12):605-6.

Robert Carter

Carter R, Watenpaugh DE, Wasmund SL, Wasmund WL, Muenter NK, Smith ML. **Attenuation of apnea-induced sympathoexcitation during periodic breathing efforts in sleep apneic patients [Abstract].** Physiologist 1999 Oct;42(5):A-10.

Carter R, Watenpaugh DE, Wasmund WL, Wasmund SL, Smith ML. **Muscle pump and central command during recovery from exercise in humans.** Journal of Applied Physiology 1999 Oct;87(4):1463-9.

Matt J. Crawford

Krishnamoorthy RR, Crawford MJ, Al-Ubaidi MR, Agarwal N. **Nuclear transcription factor NF-6B regulates photo-oxidative stress induced apoptosis of mouse cultured photoreceptor cells [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S595.

Krishnamoorthy RR, Crawford MJ, Chaturvedi MM, Jain SK, Aggarwal BB, Al-Ubaidi MR, Agarwal N. **Photo-oxidative stress down-modulates the activity of nuclear factor-kappaB via involvement of caspase-1, leading to apoptosis of photoreceptor cells.** Journal of Biological Chemistry 1999 Feb 5;274(6):3734-43.

Mohammed I. Dibas

Dibas MI, Dillon GH. **β2(T246F) has differential effects on the interaction of picrotoxin-related drugs with $GABA_A$ receptors [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):1481.

Dibas MI, Dillon GH. **Single mutation uncovers a low affinity stimulatory site for the CNS convulsant pentylenetetrazole (PTZ) on $GABA_A$ receptors [Abstract].** Proceedings of the Society for Experimental Biology and Medicine 1999 Jul;221(3):269.

Rob D. Dickerman, Ph.D.

Dickerman RD, Pertusi RM, Miller J, Zachariah NY. **Androgen-induced erythrocytosis: is it erythropoietin? [Letter].** American Journal of Hematology 1999 Jun;61(2):154-5.

Dickerman RD, Pertusi RM, Zachariah NY, Dufour DR, McConathy WJ. **Anabolic steroid-induced hepatotoxicity: is it overstated?** Clinics in Sports Medicine 1999 Jan;9(1):34-9.

Dickerman RD, Piatt JH, Hsu F, Frank EH. **Subdural empyema complicating cerebrospinal fluid shunt infection.** Pediatric Neurosurgery 1999 Jun;30(6):310-1.

Dickerman RD, Schaller FA, McGuirre S. **Does aortic valve calcium correlate with coronary artery calcium in young power athletes?** American Journal of Cardiology 1999 Apr 15;83(8):1300.

Dickerman RD, Smith AB, Schuster D. **Postabdominoplasty hypertension: augmentation in the pressure systems? [Letter].** Annals of Plastic Surgery 1999 May;42(5):572-4.

Dickerman RD, Smith GH, Langham-Roof L, McConathy WJ, East JW, Smith AB. **Intra-ocular pressure changes during maximal isometric contraction: does this reflect intra-cranial pressure or retinal venous pressure?** Neurological Research 1999 Apr;21(3):243-6.

Smith AB, Dickerman RD, McGuire CS, East JW, McConathy WJ, Pearson HF. **Pressure-overload-induced sliding hiatal hernia in power athletes.** Journal of Clinical Gastroenterology 1999 Jun;28(4):352-4.

Paul J. Fadel

Fadel PJ, Gallagher KM, Smith SA, Querry RG, Welch-O'Connor RM, Olivencia-Yurvati AH, Raven PB. **Role of chemical sensitive muscle receptors (CSMR) in the regulation of blood pressure and ventilation during dynamic exercise [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S226.

Martin Farias

Farias M, Jackson KE, Stanfill A, Caffrey JL. **Prejunctional opiate receptors in the SA node moderate vagal bradycardia [Abstract].** FASEB Journal 1999 Mar 12;13(4):A453.

Jackson KE, Stanfill A, Farias M, Caffrey JL. **Delta opiate receptor antagonist blocks the vagolytic effect of MEAP in the SA node [Abstract].** FASEB Journal 1999 Mar 12;13(4):A453.

Kevin J. Formes

Formes KJ, Wray DW, Welch-O'Connor RM, Olivencia-Yurvati AH, Reese IP, Shi X. **Atropine reduces the transfer function magnitude of systolic blood pressure (SBP) to pulse interval (PI) [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S197.

Wray DW, Formes KJ, Welch-O'Connor RM, Olivencia-Yurvati AH, Reese IP, Shi X. **Atropine diminishes the function of blood pressure (BP) regulation at the onset of orthostatic stress [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S337.

Kevin M. Gallagher

Fadel PJ, Gallagher KM, Smith SA, Querry RG, Welch-O'Connor RM, Olivencia-Yurvati AH, Raven PB. **Role of chemical sensitive muscle receptors (CSMR) in the regulation of blood pressure and ventilation during dynamic exercise [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S226.

Gallagher KM, Querry RG, Smith SA, Stromstad M, Ide K, Secher NH, Saltin B, Raven PB. **Effects of partial neuromuscular blockade on carotid baroreflex function during dynamic exercise in humans [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S226.

Gallagher KM, Raven PB, Mitchell JH. **Classification of sports and the athlete's heart.** In: Williams RA, editor. The athlete and heart disease : diagnosis, evaluation & management. Philadelphia: Lippincott Williams & Wilkins; 1999. pp. 9-21.

Norton KH, Gallagher KM, Smith SA, Querry RG, Welch-O'Connor RM, Raven PB. **Carotid baroreflex function during prolonged exercise.** Journal of Applied Physiology 1999 Jul;87(1):339-47.

Querry RG, Gallagher KM, Smith SA, Stromstad M, Ide K, Secher NH, Saltin B, Raven PB. **Effects of partial neuromuscular blockade on carotid baroreflex function during static exercise in humans [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S225.

Smith SA, Gallagher KM, Norton K H, Querry RG, Welch-O'Connor RM, Raven PB. **Ventilatory responses to dynamic exercise elicited by intramuscular sensors.** Medicine and Science in Sports and Exercise 1999 Feb;31(2):277-86.

Smith SA, Querry RG, Gallagher KM, Stromstad M, Ide K, Secher NH, Saltin B, Raven PB. **Epidural anesthesia and carotid baroreflex function during dynamic exercise in man [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S224.

Smith SA, Querry RG, Stromstad M, Ide K, Gallagher KM, Raven PB, Secher NH. **Carotid-cardiac baroreflex response to static exercise during epidural anesthesia in man [Abstract].** FASEB Journal 1999 Mar 15;13(5):A1047.

Paramjit K. Gill

Alvarez-Gonzalez R, Watkins TA, Gill PK, Reed JL, Mendoza-Alvarez H. **Regulatory mechanisms of poly(ADP-ribose) polymerase.** Molecular and Cellular Biochemistry 1999 Mar;193(1-2):19-22.

Gill PK, Alvarez-Gonzalez R. **Determination of cyclic ADP-ribose levels in cultured human cells [Abstract].** FASEB Journal 1999 April 23;13(7):A1418.

Bradley J. Hart, M.S.

Bian X, Hart BJ, Williams AG, Jr, Downey HF. **A method for collecting right coronary venous blood samples from conscious dogs.** American Journal of Physiology 1999 Mar;276(3 pt. 2):H1086-90.

Hart BJ, Bian X, Mallet RT, Downey HF. **The effects of hyperlipidemia and hypoglycemia on myocardial contractile function and oxygen utilization during coronary hypoperfusion [Abstract].** FASEB Journal 1999 Mar 15;13(5):A765.

Hart BJ, Bian X, Mallet RT, Downey HF. **Hyperlipidemia with hypoglycemia reduces myocardial oxygen utilization efficiency but not contractile function during coronary hypoperfusion [Abstract].** Proceedings of the Society for Experimental Biology and Medicine 1999 Jul;221(3):268.

Hart BJ, Bian X, Williams AG Jr, Downey HF. **A method for producing regional hypoglycemia in blood perfused tissue.** Molecular and Cellular Biochemistry 1999 Oct;200(1-2):177-81.

Hart BJ, Bian X, Williams AG Jr, Downey HF. **A method for producing regional hypoglycemia in blood perfused tissue [Abstract].** FASEB Journal 1999 Mar 12;13(4):A79.

Setty S, Bian X, Hart BJ, Williams AG, Jr, Downey HF, Cantrell ET. **Simultaneous abdominal and chest compressions improve carotid blood flow, aortic pressure during CPR in swine [Abstract].** Journal of the American Osteopathic Association 1999 Aug;99(8):429.

Setty S, Bian X, Hart BJ, Williams AG, Jr, Tkatchouk E, Downey HF. **One session of whole body hypoxia does not protect myocardium from ischemia [Abstract].** Journal of Molecular and Cellular Cardiology 1999 May;31(5):A13.

Lisa M. Hodge

Jones HP, Hodge LM, Simecka JW. **TH1 and TH2 response after intranasal immunization with influenza vaccine plus cholera toxin [Abstract].** Proceedings of the Society for Experimental Biology and Medicine 1999 Jul;221(3):269.

Keith E. Jackson

Farias M, Jackson KE, Stanfill A, Caffrey JL. **Prejunctional opiate receptors in the SA node moderate vagal bradycardia [Abstract].** FASEB Journal 1999 Mar 12;13(4):A453.

Jackson KE, Stanfill A, Farias M, Caffrey JL. **Delta opiate receptor antagonist blocks the vagolytic effect of MEAP in the SA node [Abstract].** FASEB Journal 1999 Mar 12;13(4):A453.

Harlan P. Jones

Jones HP, Hodge LM, Simecka JW. **TH1 and TH2 response after intranasal immunization with influenza vaccine plus cholera toxin [Abstract].** Proceedings of the Society for Experimental Biology and Medicine 1999 Jul;221(3):269.

Geoffrey P. Kline, Ph.D.

Kline GP, Williams MA, Gwirtz PA. **Renovascular hypertension reduces both endothelial-dependent and independent coronary vasodilation in conscious dogs [Abstract].** Journal of Molecular and Cellular Cardiology 1999 May;31(5):A25.

Wendi Lambert

Agarwal R, Lambert W, Agarwal N, Seiler J, Clark AF. **Effects of dexamethasone (DEX) on growth factor and neurotrophin mRNA expression by cultured human trabecular meshwork cells [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S667.

Agarwal R, Talati M, Lambert W, Clark AF, Wilson SE, Agarwal N, Wordinger RJ. **Fas-activated apoptosis and apoptosis mediators in human trabecular meshwork cells.** Experimental Eye Research 1999 May;68(5):583-90.

Lambert W, Agarwal R, Clark AF, Wordinger RJ. **Secretion of neurotrophins by cells of the human optic nerve head [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S673.

Liu X, Talati M, Lambert W, Agarwal R, Clark AF, Wordinger RJ. **Expression of ciliary neurotrophic factor (CNTF), glial derived neurotrophic factor (GDNF) and their receptors by cells of the human optic nerve head [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S673.

Wordinger RJ, Agarwal R, Lambert W, Talati M, Cross W, Clark AF. **The expression of ciliary neurotrophic factor (CNTF), glial derived neurotrophic factor (GDNF) and their receptors by human trabecular meshwork (TM) cells and tissues [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S504.

Wordinger RJ, Clark AF, Agarwal R, Lambert W, Wilson SE. **Expression of alternatively spliced growth factor receptor isoforms in the human trabecular meshwork.** Investigative Ophthalmology and Visual Science 1999 Jan;40(1):242-7.

Michael C. Lawrence

Bhatt H, Lawrence MC, Conner BP, Easom RA. **The involvement of myosin light chain phosphorylation in secratogogue-induced insulin secretion in pancreatic ∃-cells [Poster].** Diabetes 1999 May;48(suppl.1):A240.

Lawrence MC, Easom RA. **Calcineurin activates a nuclear factor of activated T-cells (NFAT) to enhance insulin gene transcription [Poster].** Diabetes 1999 May;48(suppl.1):A246.

Lawrence MC, Easom RA. **Calcineurin associates with a nuclear factor of activated T-cells (NFAT) DNA-binding complex and enhances insulin gene transcription in pancreatic INS-1 cells [Abstract].** Proceedings of the Society for Experimental Biology and Medicine 1999 Jul;221(3):270.

Xiaochun Liu

Liu X, Talati M, Lambert W, Agarwal R, Clark AF, Wordinger RJ. **Expression of ciliary neurotrophic factor (CNTF), glial derived neurotrophic factor (GDNF) and their receptors by cells of the human optic nerve head [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S673.

Jonathan Matthews

Matthews J, Payne DM, Garner MH. **A study of Na, K-ATPase in lens cells using a novel compound - Texas Red®-Ouabain [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S882.

Shelley R. McDonald

McDonald SR, Koller B, Lal H, Forster MJ. **Coenzyme Q_{10} and ∀-tocopherol reverse learning and memory impairments in aged mice [Abstract].** Abstracts - Society for Neuroscience 1999;25(pt.1):1318.

Nicolette K. Muenter

Carter R, Watenpaugh DE, Wasmund SL, Wasmund WL, Muenter NK, Smith ML. **Attenuation of apnea-induced sympathoexcitation during periodic breathing efforts in sleep apneic patients [Abstract].** Physiologist 1999 Oct;42(5):A-10.

Watenpaugh DE, Muenter NK, Wasmund WL, Wasmund SL, Smith ML. **Post-apneic inhalation reverses apnea-induced sympathoexcitation before restoration of blood oxygen levels.** Sleep 1999 Jun 15;22(4):435-40.

Watenpaugh DE, Wasmund SL, Shirley JS, Wasmund WL, Martin MW, Muenter NK, Smith ML. **Sleep restriction and adrenergic responses to stress [Abstract].** Physiologist 1999 Oct;42(5):A-5.

Karen R. Murray

Kalman J, Kudchodkar BJ, Murray KR, McConathy WJ, Juhasz A, Janka Z, Lacko AG. **Evaluation of serum-lipid-related cardiovascular risk factors in Alzheimer's disease.** Dementia and Geriatric Cognitive Disorders 1999 Nov;10(6):488-93.

Murray KR, Nair MP, McConathy WJ, Lacko AG. **Enzyme linked immunoassay (ELISA) for lecithin:cholesterol acyltransferase (LCAT).** Analytical Letters 1999;32(8):1553-64.

Marcia D. Ong

Ong MD, Garner MH. **Differentiation of bovine lens epithelial cells into lens fiber cells by serum-starvation in vitro cultures [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S517.

Ross G. Querry, Ph.D.

Fadel PJ, Gallagher KM, Smith SA, Querry RG, Welch-O'Connor RM, Olivencia-Yurvati AH, Raven PB. **Role of chemical sensitive muscle receptors (CSMR) in the regulation of blood pressure and ventilation during dynamic exercise [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S226.

Gallagher KM, Querry RG, Smith SA, Stromstad M, Ide K, Secher NH, Saltin B, Raven PB. **Effects of partial neuromuscular blockade on carotid baroreflex function during dynamic exercise in humans [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S226.

Norton KH, Gallagher KM, Smith SA, Querry RG, Welch-O'Connor RM, Raven PB. **Carotid baroreflex function during prolonged exercise.** Journal of Applied Physiology 1999 Jul;87(1):339-47.

Querry RG, Gallagher KM, Smith SA, Stromstad M, Ide K, Secher NH, Saltin B, Raven PB. **Effects of partial neuromuscular blockade on carotid baroreflex function during static exercise in humans [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S225.

Querry RG, Smith SA, Stromstad M, Ide K, Raven PB, Secher NH. **Anatomical and transmission characteristics of carotid sinus stimulation during exercise in man [Abstract].** FASEB Journal 1999 Mar 15;13(5):A1048.

Smith SA, Gallagher KM, Norton K H, Querry RG, Welch-O'Connor RM, Raven PB. **Ventilatory responses to dynamic exercise elicited by intramuscular sensors.** Medicine and Science in Sports and Exercise 1999 Feb;31(2):277-86.

Smith SA, Querry RG, Gallagher KM, Stromstad M, Ide K, Secher NH, Saltin B, Raven PB. **Epidural anesthesia and carotid baroreflex function during dynamic exercise in man [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S224.

Smith SA, Querry RG, Stromstad M, Ide K, Gallagher KM, Raven PB, Secher NH. **Carotid-cardiac baroreflex response to static exercise during epidural anesthesia in man [Abstract].** FASEB Journal 1999 Mar 15;13(5):A1047.

David P. Russo

Siu JC, Russo DP. **Students' attitudes toward the scientific basis of osteopathic manipulative medicine [Abstract].** Journal of the American Osteopathic Association 1999 Sep;99(9):488.

Srinath Setty

Setty S, Bian X, Hart BJ, Williams AG, Jr, Downey HF, Cantrell ET. **Simultaneous abdominal and chest compressions improve carotid blood flow, aortic pressure during CPR in swine [Abstract].** Journal of the American Osteopathic Association 1999 Aug;99(8):429.

Setty S, Bian X, Hart BJ, Williams AG, Jr, Tkatchouk E, Downey HF. **One session of whole body hypoxia does not protect myocardium from ischemia [Abstract].** Journal of Molecular and Cellular Cardiology 1999 May;31(5):A13.

J. Storm Shirley

Shirley JS, Grant SR, Raven PB. **Simulation of exercise in *in vitro* cultures [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S162.

Watenpaugh DE, Wasmund SL, Shirley JS, Wasmund WL, Martin MW, Muenter NK, Smith ML. **Sleep restriction and adrenergic responses to stress [Abstract].** Physiologist 1999 Oct;42(5):A-5.

Jeffrey C. Siu

Siu JC, Russo DP. **Students' attitudes toward the scientific basis of osteopathic manipulative medicine [Abstract].** Journal of the American Osteopathic Association 1999 Sep;99(9):488.

Scott A. Smith, M.S.

Fadel PJ, Gallagher KM, Smith SA, Querry RG, Welch-O'Connor RM, Olivencia-Yurvati AH, Raven PB. **Role of chemical sensitive muscle receptors (CSMR) in the regulation of blood pressure and ventilation during dynamic exercise [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S226.

Gallagher KM, Querry RG, Smith SA, Stromstad M, Ide K, Secher NH, Saltin B, Raven PB. **Effects of partial neuromuscular blockade on carotid baroreflex function during dynamic exercise in humans [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S226.

Norton KH, Gallagher KM, Smith SA, Querry RG, Welch-O'Connor RM, Raven PB. **Carotid baroreflex function during prolonged exercise.** Journal of Applied Physiology 1999 Jul;87(1):339-47.

Querry RG, Gallagher KM, Smith SA, Stromstad M, Ide K, Secher NH, Saltin B, Raven PB. **Effects of partial neuromuscular blockade on carotid baroreflex function during static exercise in humans [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S225.

Querry RG, Smith SA, Stromstad M, Ide K, Raven PB, Secher NH. **Anatomical and transmission characteristics of carotid sinus stimulation during exercise in man [Abstract].** FASEB Journal 1999 Mar 15;13(5):A1048.

Smith SA, Gallagher KM, Norton K H, Querry RG, Welch-O'Connor RM, Raven PB. **Ventilatory responses to dynamic exercise elicited by intramuscular sensors.** Medicine and Science in Sports and Exercise 1999 Feb;31(2):277-86.

Smith SA, Querry RG, Gallagher KM, Stromstad M, Ide K, Secher NH, Saltin B, Raven PB. **Epidural anesthesia and carotid baroreflex function during dynamic exercise in man [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S224.

Smith SA, Querry RG, Stromstad M, Ide K, Gallagher KM, Raven PB, Secher NH. **Carotid-cardiac baroreflex response to static exercise during epidural anesthesia in man [Abstract].** FASEB Journal 1999 Mar 15;13(5):A1047.

Yiqiang Song

Liu JJ, Song Y, Brun-Zinkernagel AM, Roque RS. **The availability and mitogenic activity of VEGF183 require heparin or proteolytic cleavage from cell-surface sites [Abstract].** Investigative Ophthalmology and Visual Science 1999 Mar 15;40(4):S574.

Amber Stanfill

Farias M, Jackson KE, Stanfill A, Caffrey JL. **Prejunctional opiate receptors in the SA node moderate vagal bradycardia [Abstract].** FASEB Journal 1999 Mar 12;13(4):A453.

Jackson KE, Stanfill A, Farias M, Caffrey JL. **Delta opiate receptor antagonist blocks the vagolytic effect of MEAP in the SA node [Abstract].** FASEB Journal 1999 Mar 12;13(4):A453.

Steven R. Stuewe, Ph.D.

Stuewe SR, Gwirtz PA, Mallet RT. **Aerobic exercise training augments creatine kinase catalytic capacity in canine myocardium [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl.):S306.

M. Isabel Tejero-DelRio, Ph.D.

Olvera DA, Tejero-Taldo MI, Sun J, Mallet RT. **Antioxidant mechanism of pyruvate potentiation of B-adrenergic inotropism of stunned myocardium [Abstract].** Proceedings of the Society for Experimental Biology and Medicine 1999 Jul;221(3):265.

Tejero-Taldo MI, Caffrey JL, Sun J, Mallet RT. **Antioxidant properties of pyruvate mediate its potentiation of ∃-adrenergic inotropism in stunned myocardium.** Journal of Molecular and Cellular Cardiology 1999 Oct;31(10):1863-72.

Tejero-Taldo MI, Sun J, Caffrey JL, Mallet RT. **Antioxidant properties of pyruvate mediate its potentiation of ∃-adrenergic inotropism in stunned myocardium [Abstract].** Journal of Molecular and Cellular Cardiology 1999 May;31(5):A15.

Dmitriy S. Ushakov

Borejdo J, Ushakov DS, Andreev OA. **Conformational change in the essential light chain of skeletal myosin subfragment-1 induced by binding of MGATP [Abstract].** Biophysical Journal 1999 Jan;76(1, pt. 2):A37.

Moreland R, Ushakov DS, Saraswat LD, Lowey S, Andreev OA, Borejdo J. **The transition from rigor to relaxation causes conformational change in the essential light chain 1 of myofibrillar myosin [Abstract].** Biophysical Journal 1999 Jan;76(1, pt. 2):A37.

Stephen L. Wasmund

Carter R, Watenpaugh DE, Wasmund SL, Wasmund WL, Muenter NK, Smith ML. **Attenuation of apnea-induced sympathoexcitation during periodic breathing efforts in sleep apneic patients [Abstract].** Physiologist 1999 Oct;42(5):A-10.

Carter R, Watenpaugh DE, Wasmund WL, Wasmund SL, Smith ML. **Muscle pump and central command during recovery from exercise in humans.** Journal of Applied Physiology 1999 Oct;87(4):1463-9.

Hamdan MH, Joglar JA, Page RL, Zagrodzky JD, Sheehan CJ, Wasmund SL, Smith ML. **Baroreflex gain predicts blood pressure recovery during simulated ventricular tachycardia in humans.** Circulation 1999 Jul 27;100(4):381-6.

Hamdan MH, Page RL, Sheehan CJ, Zagrodzky JD, Joglar JA, Wasmund SL, Smith ML. **Profound increases in sympathetic neural activity following AV junction ablation in patients with chronic atrial fibrillation [Abstract].** PACE. Pacing and Clinical Electrophysiology 1999 Apr;22(4, pt.2):725.

Hamdan MH, Zagrodzky JD, Page RL, Sheehan C, Wasmund SL, Joglar JA, Smith ML. **Biventricular pacing decreases sympathetic nerve activity in patients with congestive heart failure [Abstract].** Circulation 1999 Nov 2;100(18, suppl 1):I-636.

Page RL, Joglar JA, Hamdan MH, Wasmund SL, Zagrodzky JD, Sheehan CJ, Ramaswamy K, Smith ML. **Cardiac sympathetic activity increases as a function of ventricular ectopy [Abstract].** PACE. Pacing and Clinical Electrophysiology 1999 Apr;22(4, pt.2):731.

Sakowski B, Wasmund SL, Hamdan MH, Behbehani K, Smith ML. **How sympathetic neural activity is related to arterial pressure: insights from arrhythmias [Abstract].** Circulation 1999 Nov 2;100(18, suppl 1):I-135.

Smith ML, Joglar JA, Wasmund SL, Carlson MD, Welch PJ, Hamdan MH, Quan K, Page RL. **Reflex control of sympathetic activity during simulated ventricular tachycardia in humans.** Circulation 1999 Aug 10;100(6):628-34.

Watenpaugh DE, Muenter NK, Wasmund WL, Wasmund SL, Smith ML. **Post-apneic inhalation reverses apnea-induced sympathoexcitation before restoration of blood oxygen levels.** Sleep 1999 Jun 15;22(4):435-40.

Watenpaugh DE, Wasmund SL, Shirley JS, Wasmund WL, Martin MW, Muenter NK, Smith ML. **Sleep restriction and adrenergic responses to stress [Abstract].** Physiologist 1999 Oct;42(5):A-5.

Westerholm EC, Watenpaugh DE, Wasmund WL, Wasmund SL, Smith ML. **Interactive effects of mental and physical stress on cardiovascular control [Abstract].** FASEB Journal 1999 Mar 15;13(5):A1057.

Zagrodzky JD, Smith ML, Joglar JA, Wasmund SL, Sheehan CJ, Adamson MM. **P wave location during supraventricular tachycardia is a major determinant of hemodynamic and sympathetic neural response [Abstract].** PACE. Pacing and Clinical Electrophysiology 1999 Apr;22(4, pt.2):817.

Maurice A. Williams

Kline GP, Williams MA, Gwirtz PA. **Renovascular hypertension reduces both endothelial-dependent and independent coronary vasodilation in conscious dogs [Abstract].** Journal of Molecular and Cellular Cardiology 1999 May;31(5):A25.

Michael B. Williams

Williams MB, Raven PB, Ivy JL. **Effects of recovery drinks after prolonged glycogen-depletion exercise [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S124.

David W. Wray, M.S.

Formes KJ, Wray DW, Welch-O'Connor RM, Olivencia-Yurvati AH, Reese IP, Shi X. **Atropine reduces the transfer function magnitude of systolic blood pressure (SBP) to pulse interval (PI) [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S197.

Wray DW, Formes KJ, Welch-O'Connor RM, Olivencia-Yurvati AH, Reese IP, Shi X. **Atropine diminishes the function of blood pressure (BP) regulation at the onset of orthostatic stress [Abstract].** Medicine and Science in Sports and Exercise 1999 May;31(5, suppl):S337.

Monica Yagle

Yagle M, Martin MW, de Fiebre CM, de Fiebre NC, Drewe JA, Dillon GH. **[^{3}H] ethynylbicycloorthobenzoate ([^{3}H] EBOB) binding in rat cerebellum and recombinant $GABA_A$ receptors [Abstract].** Abstracts - Society for Neuroscience 1999;25(2):1713.

Yagle M, Martin MW, de Fiebre CM, Dillon GH. **[^{3}H] ethynylbicycloorthobenzoate ([^{3}H] EBOB) binding in rat cerebellum and recombinant $GABA_A$ receptors [Abstract].** Proceedings of the Society for Experimental Biology and Medicine 1999 Jul;221(3):267.

Kun D. Yi

Yi KD, Bian X, Fu M, Mallet RT, Downey HF. **Right ventricular function and phosphorylation potential are increased by dobutamine during moderate ischemia [Abstract].** Journal of Molecular and Cellular Cardiology 1999 May;31(5):A9.

Hong Zeng

Bai Y, Zeng H, Grant SR, Raven PB, sponsor. **Transcriptional regulation of hypertrophy-sensitive genes by an inducible calcineurin expression system [Abstract].** FASEB Journal 1999 Mar 15;13(5):A769.

Zeng H, Valencia TG, Bai Y, Grant SR, Raven PB, sponsor. **Calcium/calmodulin-dependent enzymes regulate cardiac hypertrophy-sensitive gene expression [Abstract].** FASEB Journal 1999 Mar 15;13(5):A769.

School of Public Health

Jon Swift, Jr.

Noll DR, Gamber RG, Swift JJr., Johnson JC. **Somatic dysfunction findings from the OMT in the Elderly Hospitalized with Pneumonia Study [Abstract].** Journal of the American Osteopathic Association 1999 Aug;99(8):422.

Texas College of Osteopathic Medicine

Shane Maxwell

Maxwell S. **The use of OMT in stroke rehabilitation.** AAO Journal 1999 Spring;9(1):18-9.

Laura Spies

Cardarelli R, Spies L. **Prepare the 'total' osteopathic physician for rural healthcare and public health roles [Letter].** Journal of the American Osteopathic Association 1999 Dec;99(12):605-6.

Author Index

Agarwal, Neeraj, 1
Agarwal, Rajnee, 1
Alexander, Jerry H., 47
Alvarez-Gonzalez, Rafael, 18
Andreev, Oleg A., 19
Aschenbrenner, John E., 2

Babb, Tony G., 9
Bai, Yun, 55
Barker, David J., 9
Barron, Barbara A., 9
Basu, Alakananda, 20
Beasley, Clifton H., 2
Beeny, Cassandra, 28
Bell-Horner, Cathy L., 29
Bhatt, Harshika, 20
Bian, Xiaoming, 9
Blais, Francis X., 42
Boles, Kent S., 55
Borejdo, Julian, 20
Brittain, Paul D., 41
Brooks, Ann P., 47
Brown, Andrew C., 42
Brun-Zinkernagel, Anne Marie, 2

Caffrey, James L., 10
Cammarata, Patrick R., 3
Cardarelli, Roberto, 55
Carroll, Joan F., 10
Carter, Bobby R., 47
Carter, Robert, 55
Chaitin, Michael H., 3
Chuang, Samuel S., 21
Clark, Abbot F., 21
Clarke, Howard F., 41
Clearfield, Michael B., 42
Coggin, Claudia S., 53
Coleridge, Samuel T., 41
Collier, Robert J., 3
Conner, Barry P., 22
Crawford, Matt J., 55

Das, Hriday K., 29
de Fiebre, Christopher M., 29
de Fiebre, Nancyellen C., 29
DeSantis, Louis M., 30
Dibas, Adnan I., 30
Dibas, Mohammed I., 56
Dickerman, Rob D., 56
Dillon, Glenn H., 31
Dimitrijevich, S. Dan, 23
Dory, Ladislav, 23
Downey, H. Fred, 11

Easom, Richard A., 23
Eisenberg, Arthur J., 49
Elam, Craig S., 47
England, Sondra L., 12

Fadel, Paul J., 56
Fairchild, Thomas J., 53
Farias, Martin, 56
Foresman, Brian H., 43
Forman, Mitchell D., 43
Formes, Kevin J., 57
Forster, Michael J., 31
Franks, Susan F., 49
Fu, Min, 12

Gallagher, Kevin M., 57
Gamber, Russell G., 47
Garner, Margaret H., 4
Gatch, Michael B., 32
Gill, Paramjit K., 57
Godwin, Karen S., 43
Goldfarb, Ronald H., 23
Gracy, Robert W., 24
Grant, Stephen R., 12
Griffin, Suzy A., 33
Gwirtz, Patricia A., 12

Hall, James R., 49
Harris, Ben G., 24
Hart, Bradley J., 58
Hart, Christian L., 33
Helduser, Janet Wiegman, 53
Herron, Katie M., 53
Hodge, Lisa M., 58
Huang, Ren- Qi, 33

Jackson, Keith E., 58
Johnson, Larry, 41
Johnson, Lynn F., 47
Jones, Harlan P., 58
Jordan, William M., 43
Jung, Marianna E., 33

Kaman, Robert L., 49

King, George R., 33
Kitson, Richard P., 24
Kline, Geoffrey P., 59
Knebl, Janice A., 44
Krishnamoorthy, Raghu R., 4
Kudchodkar, Bhalchandra J., 25
Kulkarni, Gopal, 25
Kumaresan, Pappa R., 25
Kumari, Sunitha R., 25

Lacko, Andras G., 25
Lal, Harbans, 34
Lambert, Wendi, 59
Lanphear, Joel H., 48
Lawrence, Michael C., 59
Licciardone, John C., 53
Liu, Jing Jing, 4
Liu, Xiaochun, 59
Luedtke, Robert R., 34
Lurie, Sue G., 48

Mains, Douglas A., 54
Mallet, Robert T., 12
Marino, Gregory G., 44
Martin, Dohn, 48
Martin, Michael W., 35
Mathew, Porunelloor A., 26
Matthews, G. Philip, 5
Matthews, Jonathan, 60
Maxwell, Shane, 65
McCartney, Mitchell D., 5
McConathy, Walter J., 44
McDonald, Shelley R., 60
McGill, Jerry C., 49
McIntosh, William E., 44
Mendoza-Alvarez, Hilda, 26
Mishalanie, Jason F., 35
Morris, Paul, 35
Morrow, Jay, 41
Muenter, Nicolette K., 60
Murray, Karen R., 60

Nair, Maya P., 26
Nelson, Tammy H., 5

Oakford, Lawrence X., 6
Oglesby, Michael W., 36
Ogoh, Shigehiko, 13
Olivencia-Yurvati, Albert H., 50
Ong, Marcia D., 60
Orr, Edward L., 6

Pagels, Patti, 41
Pang, Iok-Hou, 36
Papa, Frank J., 48
Pastorcic, Martine, 36
Payne, D. Michael, 6
Pearson, Harris F., 50
Pertusi, Raymond M., 45
Prasanna, Ganesh, 36
Prather, Irvine D., 42

Querry, Ross G., 60
Quist, Eugene E., 37

Raines, Jack W., 48
Rao, Jagannatha G. S., 27
Raven, Peter B., 13
Reese, I. Philip, 45
Reeves, Rusty E., 6
Romeo, Tony, 27
Roque, Rouel S., 6
Rubin, Bernard R., 45
Rudick, Victoria L., 7
Russo, David P., 61

Schaller, Frederick A., 45
Setty, Srinath, 61
Seymour, Paul M., 37
Sharif, Naj A., 37
Sheedlo, Harold J., 7
Shi, Xiangrong, 15
Shirley, J. Storm, 61
Shores, Jay H., 48
Simecka, Jerry W., 27
Singh, Inderpal, 27
Siu, Jeffrey C., 61
Slocum, Philip C., 46
Smith, Adam B., 50
Smith, Gregory H., 51
Smith, Michael L., 15
Smith, Scott A., 62
Sohal, Raj S., 38
Song, Yiqiang, 62
Spellman, Craig W., 46
Spies, Laura, 65
Stanfill, Amber, 62
Stockard, Alan R., 42
Stuewe, Steven R., 63
Sun, Jie, 16
Swift, Jon, Jr., 65

Talent, John M., 27
Tatarko, Matthew, 28
Tejero-DelRio, M. Isabel, 63
Trevino, Fernando M., 54
Turner, James E., 7

Ushakov, Dmitriy S., 63

Valencia, Thomas G., 16
Vasan, Ranga, 38

Wallis, Cleatus J., 39
Wasmund, Stephen L., 63
Wasmund, Wendy L., 16
Watenpaugh, Donald E., 17
Weis, Stephen E., 46
Welch-O'Connor, Rita M., 17
Westbrook, Marla, 28
Williams, Arthur G., Jr, 18
Williams, Maurice A., 64
Williams, Michael B., 64
Wordinger, Robert J., 8
Wray, David W., 64

Xue, Yaming, 28

Yagle, Monica, 65
Yi, Kun D., 65
Yorio, Thomas, 39
Yoshishige, Darice A., 18

Zachariah, N. Y., 28
Zeng, Hong, 65