

State of Rhode Island and Providence Plantations
Council on Postsecondary Education
OFFICE OF THE POSTSECONDARY COMMISSIONER
560 Jefferson Boulevard Suite 100
Warwick, Rhode Island 02886-1304

Enclosure 7a.
January 13, 2016

Barbara S. Cottam
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Secondary Education**

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John J. Smith, Jr.

Dr. Jeffery A. Williams

TO: Members of the Council on Postsecondary Education
FROM: Jim Purcell, Ed.D., Commissioner for Postsecondary Education
Date: January 5, 2016
RE: Approval of Tenure at the Rank of Professor with Initial Appointment as Founding Director of the George and Anne Ryan Institute for Neuroscience at the University of Rhode Island and Thomas M. Ryan Professor of Neuroscience at URI for Dr. Paula Grammas.

President David Dooley has requested approval of tenured status at the rank of Professor in the Department of Biomedical and Pharmaceutical Sciences in the College of Pharmacy for Paula Grammas, Ph.D. Dr. Grammas was appointed as the Founding Director of the George and Anne Ryan Institute for Neuroscience at URI effective December 13, 2015.

Background information on this individual and tenure analysis is enclosed for your reference and consideration at the Council meeting on January 13, 2016.

Accordingly, I recommend:

THAT the Council on Postsecondary Education approves the awarding of tenure to:

Dr. Paula Grammas effective December 13, 2015.

Motion:

THAT the Council on Postsecondary Education approves the following System Personnel Review Committee's recommendation.

THE
UNIVERSITY
OF RHODE ISLAND

OFFICE OF THE
PRESIDENT

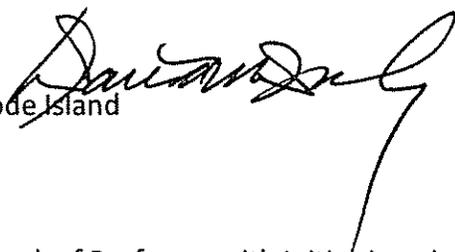
Green Hall, 35 Campus Avenue, Kingston, RI 02881 USA p: 401.874.4462 f: 401.874.7149 uri.edu/president



David M. Dooley, Ph.D.
President

MEMORANDUM

To: Jim Purcell, Commissioner
Office of the Postsecondary Commissioner

From: David M. Dooley, Ph.D.
President, University of Rhode Island 

Date: December 1, 2015

Subject: Approval of Tenure at the Rank of Professor with Initial Appointment as
Founding Director of the George and Anne Ryan Institute for Neuroscience at the
University of Rhode Island and Thomas M. Ryan Professor of Neuroscience at URI
for Paula Grammas

It is with great pleasure that I recommend approval of tenured status at the rank of Professor in the Department of Biomedical and Pharmaceutical Sciences in the College of Pharmacy for Dr. Paula Grammas with her appointment as Founding Director of the George and Anne Ryan Institute for Neuroscience and Thomas M. Ryan Professor of Neuroscience at URI.

We are fortunate to have been able to attract such a renowned international leader in the research and treatment of Alzheimer's disease. She is a highly skilled educator, successful grant writer, and innovative researcher. In addition, Dr. Grammas previously has held tenure and the rank of Professor at the University of Oklahoma Health Sciences Center and the Texas Tech University Health Sciences Center.

The faculty in the Department of Biomedical and Pharmaceutical Sciences in the College of Pharmacy unanimously support granting Dr. Grammas tenure and the rank of Professor, and this recommendation is fully endorsed by Dean Paul Larrat and Provost DeHayes. Faculty across the University are excited about the opportunity to work closely with such an accomplished scholar and educator, and we look forward to her leadership within the University and the State as Director of the George and Anne Ryan Institute for Neuroscience.

Attachments: Paula Grammas Curriculum Vita

**CURRICULUM VITAE
PAULA GRAMMAS**

PERSONAL DATA

Birth Place	Far Rockaway, New York, New York
Citizenship	U.S.A.
Children	Marnie Grammas Lemonik September 26, 1992
Home Address	6105 Chictora Cove Austin, TX 78759 (806) 790-3993
Office Address	Texas Tech University Health Sciences Center Department of Neurology Lubbock, Texas 79430 E-mail: paula.grammas@ttuhsc.edu
Education	Barnard College New York, New York B.A., May, 1976 New York Medical College Valhalla, New York M.S., June, 1979 Wayne State University Detroit, Michigan Ph.D., April, 1983

ACADEMIC APPOINTMENTS

2004 - 2014	Executive Director, Garrison Institute on Aging Texas Tech University Health Sciences Center
2004 - Present	Professor, Neuropsychiatry (Neurology) Texas Tech University Health Sciences Center
2004 -2014	Mildred and Shirley L. Garrison Chair in Aging Texas Tech University Health Sciences Center
2001 - 2003	Presbyterian Health Foundation Chair in Neuroscience University of Oklahoma Health Sciences Center
1996 – 2001 2004	Alfred M. Shideler Professor of Pathology University of Oklahoma Health Sciences Center
1995 - 2004	Professor, Department of Pathology University of Oklahoma Health Sciences Center
1999 - 2003	Director, Oklahoma Center for Neuroscience University of Oklahoma Health Sciences Center
1990 - 1995	Associate Professor, Department of Pathology University of Oklahoma Health Sciences Center
1990	Associate Professor, Department of Pathology Wayne State University School of Medicine
1983 -1990	Assistant Professor, Department of Pathology Wayne State University School of Medicine

Adjunct Faculty Appointments

2005 – Present	Adjunct Professor, Department of Pharmacology and Neuroscience Texas Tech University Health Sciences Center
2005 – Present	Adjunct Professor, Department of Microbiology and Immunology Texas Tech University Health Sciences Center
1998 - 2004	Adjunct Professor, Department of Cell Biology (formerly Departments of Anatomical Sciences and Pharmacology) University of Oklahoma Health Sciences Center
1998 - 2004	Adjunct Professor, Department of Geriatrics University of Oklahoma Health Sciences Center
1996 - 2004	Adjunct Professor, Department of Psychiatry and Behavioral Sciences University of Oklahoma Health Sciences Center

Adjunct Faculty Appointments (continued)

1995 - 1998	Adjunct Professor, Department of Pharmacology University of Oklahoma Health Sciences Center
1995 - 1998	Adjunct Professor, Department of Anatomical Sciences University of Oklahoma Health Sciences Center
1992 - 1996	Adjunct Assoc. Professor, Dept. of Psychiatry and Behavioral Sciences University of Oklahoma Health Sciences Center
1992 - 1995	Adjunct Associate Professor, Department of Anatomical Sciences University of Oklahoma Health Sciences Center
1990 - 1995	Adjunct Associate Professor, Department of Pharmacology University of Oklahoma Health Sciences Center

PROFESSIONAL SOCIETY MEMBERSHIPS

2013 – Present	AWARE (Alzheimer's Women's Association to Reach and Engage)
2011 – Present	ISTAART (International Society to Advance Alzheimer's Research and Treatment)
2011 – Present	International Brain Barriers Society
2003 - Present	American Society for Neurochemistry
2003 - Present	International Society for Neurochemistry
1998 - Present	Association for Research in Vision and Ophthalmology
1998 - Present	American Diabetes Association
1994 - Present	North American Vascular Biology Organization
1993 - Present	Sigma Xi
1992 - Present	American Heart Association Council on Circulation
1991 - Present	Women in Neuroscience
1990 - Present	Society for Neuroscience
1985 - Present	American Society for Cell Biology
1985 - Present	American Society for Investigative Pathology
1980 - 1990	Detroit Physiological Society
1979 - 2004	American Association for the Advancement of Science
1979 - 1993	New York Society of Electron Microscopists

HONORS AND AWARDS

2006	Chancellor's Distinguished Research Award
2004 – Present	Mildred and Shirley L. Garrison Chair in Aging
2004	Award for Outstanding Service, Huntington's disease Society, OKC
2001 - 2003	Presbyterian Health Foundation Chair in Neuroscience
1999	Award for Outstanding Achievement in Alzheimer's Research
1998 - 2000	Zenith Award, Alzheimer's Association
1996 – 2001; 2004	Alfred M. Shideler Professor of Pathology
1993 - 2004	Fraternal Order of the American Eagles, Alzheimer Research Award
1993-1996	President, Women in Neuroscience
1990	Recipient, Lamp Award (teaching award presented by second year medical students, Wayne State University)
1989	Nominee, Lamp Award

UNIVERSITY TEACHING DUTIES AND ADMINISTRATIVE APPOINTMENTS

Administrative Appointments

Texas Tech University Health Sciences Center

2014	Director, Texas Alzheimer's Research and Care Consortium
2004 – 2014	Executive Director, Garrison Institute on Aging, Texas Tech University Health Sciences Center
2014 – Present	Advisor, Office of Research, Texas Tech University Health Sciences Center

University of Oklahoma Health Sciences Center

2001	Chair, Committee on Committees
1999 - 2003	Director, Oklahoma Center for Neuroscience (OCNS)
1997 -1999	Associate Director, OCNS Graduate Education
1997 -1999	Chair, Subcommittee for Scientific Equipment for the BRC
1994	OCNS Representative to Assoc. of Neuroscience Programs and Departments
1993 - 1998	Graduate Council Representative, College of Medicine
1993, 2000	Co-Organizer, OCNS Annual Symposium
1991 - 1999	Chair, OCNS Graduate Education Committee
1990 - 1995	Chair, Pathology Graduate Committee
1990 - 1995	Graduate Liaison, Department of Pathology

Wayne State University

1989	Course Director, Pathology Introductory Unit
1987	Developed Self-study module for Year II medical students on "Aging"
1986 - 1990	Member, Neuroscience Executive Committee
1985 - 1988	Coordinator, Departmental Seminar Series
1985	Member, Liaison Committee on Medical Education
1984 - 1987	Member, Pathology Graduate Committee
1983 - 1990	Co-Coordinator, Graduate Pathology Course
1983 - 1990	Lecturer and Lab Instructor, General Pathology
1983 - 1990	Developed course curriculum for Graduate Pathology Course

Committee Memberships

Texas Tech University Health Sciences Center

2013	Search Committee for Director, Garrison Institute on Aging
2012	Departmental Review Committee, Jongyeol Kim, MD
2010	Advisory Search Committee for TTUHSC President
2008	MD/PhD Grievance Committee
2007	Promotions Committee, Department of Neuropsychiatry
2007	Bridge Grant Review Committee, School of Medicine
2007	Search Committee, Cash Chair, Garrison Institute on Aging
2007	Search Committee, CH Foundation Chair, Garrison Institute on Aging
2005	School of Medicine Research Development Task Force
2005	Animal User Research Committee
2005	Search Committee for Dean, School of Medicine
2005	Search Committee for Geriatrician, Garrison Institute on Aging
2005	Search Committee for Director, Neuropsychology and Cognitive Neuroscience

UNIVERSITY TEACHING DUTIES AND ADMINISTRATIVE APPOINTMENTS (continued)

University of Oklahoma Health Sciences Center

2002- 2004	Advisory Committee, Graduate Program in Biomedical Sciences (GPiBS)
2002	Alzheimer's Disease Research Center, ADRC, Executive Committee
2001	College of Medicine, LCME, Self-Study Committee on Faculty and General Facilities
2001	Office of Research Administration-Evaluation Committee
2001- 2002	Committee to evaluate Center policy
2001	Experimental Pathology Search Committee
2000 - 2001	NIA Regional Meeting Planning Committee
2000 - 2001	Pathology Advisory Committee
2000 - 2004	Grant Plan Review, Department of Cell Biology
1999 - 2004	Oversight Committee, Graduate Program in Biomedical Sciences (GPiBS)
1999 - 2001	Search Committee for Shaun Walters Endowed Chair, Department of Pediatrics
1999 - 2003	Executive Committee for the Oklahoma Center for Toxicology
1999 - 2000	Search Committee for Genetics position, Dept. of Biochemistry and Molecular Biology
1999 - 2001	Search Committee for Records Endowed Chair, Dept. of Obstetrics and Gynecology
1998 - 1999	Search Committee for PHF Chair in Experimental Path (Human Genetics)
1998 - 2000	Search Committee for Lloyd E. Rader Chair, Department of Pathology
1998 - 2000	Friends of Neuroscience
1999	Ph.D. Dissertation examiner, University of South Florida, Tampa FL
1998	Ph.D. Qualifying Exam Committee, Department of Biochemistry
1997 - 2000	Department of Pathology, Promotion & Tenure Sub-committee
1997 - 2004	Pathology Faculty Counseling Committee
1997	Department of Anatomical Sciences Promotions Tenure Committee
1997	Workshop - Control Self-Assessment
1997, 1998	OU-OMRF Fellowship Committee
1997, 1998	Search Committee for Talley Chair in Genetics, Department of Pediatrics
1997 - 1999	Scientific Equipment Committee for the Biomedical Research Center
1997	HSC Conflict of Interest Subcommittee
1996 - 2004	Pathology Committee on Adjunct Faculty
1996 - 1998	Interdisciplinary Ad Hoc Committee on Graduate Education
1996	HSC Conflict of Interest Advisory Committee
1996	Primate Utilization Committee
1996 - 2004	Pathology Development Committee
1996	SURE Student Admissions Committee
1995 - 1998	Academic Misconduct Board
1995	Development of OCNS Ph.D. Graduate Program
1994, 1995, 1997, 1998	Committee on Committees
1994 - 1996	Student Appeals Board, College of Medicine
1993	Institutional Reviewer for Program Project Grant
1993	Medical Sciences Degree Committee
1992	Graduate College Foundation Fellowship Committee
1992	Department of Pathology Computer Committee
1992	Biochemistry Chair, Search Committee
1991 - 1994	Student Review Committee, Center for Molecular Medicine
1991 - 1994	University of Oklahoma Academic Program Council
1991	Provost Committee on the Biomedical Research Building

UNIVERSITY TEACHING DUTIES AND ADMINISTRATIVE APPOINTMENTS (Continued)

University of Oklahoma Health Sciences Center

1991 - 1995 Oklahoma Center for Molecular Medicine
1991 - 1995 Experimental Pathology Search Committee
1990 - 2003 Pathology Graduate Committee
1990 - 2003 OCNS Executive Committee
1990 - 1992 Pre- and Post-doctoral Travel Award Review Committee

Teaching and Student Training

2011 Speaker, GSBS Graduate Student and Faculty Retreat
2006 Speaker, Annual Student Research Week, Senescence Symposium,
2000, 2001 Speaker, Great Symposium, Grant Writing Workshop
2000, 2001 Judge, Paul Kimmelstiel Graduate Student Award
1995, 1996, 1997, 2013 Judge, Graduate Research Education Day
1991 - 1994 Reviewer, Provost Graduate Research Assistantships & Postdoc Awards
1991 Speaker, OCMM Graduate Student Recruitment Symposium

Student Mentorship-Programs

2001 OCNS Executive Committee
2001 OCNS Summer Fellowship
2001 Presby Harris Medical Student Research Fellowship
2001 Oklahoma Christian University
1999 Presby Harris Medical Student Research Fellowship
1997, 1999 Minority Student (START) Summer Program
1996 Undergraduate Summer Research, Oklahoma Christian University
1995, 1996 Oklahoma School of Science and Mathematics
1993, 1997, 1998, 2004 Pathology Medical Student Summer Fellowship
1992 -1994, 1996, 1998 SURE Program
1992, 2000 Undergraduate Summer Research, University of Central Oklahoma
1991, 1992 Summer Academy Research Program
1991, 1992, 2000 Undergraduate Summer Research, Okla. State University

Course Lectures

2007, 2008 Aging Week – Life Span Issues (Medical Students)
2002 Mechanisms of Atherosclerosis (GPiBS)
1999, 2000, 2002 Neurobiology of Disease
1998, 2000 – 2002 Histology (Medical Students)
1996, 1998, 1999 Principles of Pathobiology
1996 Neurotoxicology
1994 - 1996 Research Techniques, Anatomical Sciences
1994 Advanced Topics in Human Molecular Biology

UNIVERSITY TEACHING DUTIES AND ADMINISTRATIVE APPOINTMENTS (Continued)

1994, 1995, 1997-1999 Cellular and Molecular Neuroscience
1993 Principles of Neuroscience
1992 Cardiovascular and Behavioral Medicine
1992 General Pathology (Medical Students)
1992 Neuropharmacology
1991, 1993, 1995, 2000 Biochemical Pharmacology

Member, Ph.D. Dissertation Committee for

2007 - 2011 Yukun Chen (Pharmacology and Neuroscience)
2006 - 2010 Rick Bliss (Physiology)
2003 - 2004 Debbie Gilmore (OCNS)
2002 - 2003 Eric Brown (Pathology)
2000 - 2003 Byron Curtis (Pharmaceutical Sciences)
2000 - 2003 Tera Panknin (Biopsychology)
1999 - 2003 J. Xiao (Pathology)
1997 - 2002 T. Lee (Pathology)
1995 - 1998 M. Parizi (Anatomical Sciences)
1995 - 1999 Q. Huang (Pathology)
1995 - 1997 K. Vu (Pathology)
1995 - 1998 D. Cai (Pharmacology/Toxicology)
1994 - 1995 Z. Huang (Anatomical Sciences)
1994 - 1997 K. Kelly (Pathology)
1994 - 1998 J. Robertson (Pharmacy)
1994 - 1995 J. Wally (Pharmacology)
1994 - 1998 A. Hamik (Pathology)
1992 - 1994 B. Pilcher (Anatomical Sciences)
1992 - 1994 V. Katzung (Psychiatry and Behavioral Sciences)
1991 - 1994 N. Halliday (Anatomical Sciences)
1991 - 1993 M. Westermeyer (Anatomical Sciences)

Ph.D. Advisor

2003 - 2007 Haripriya Vittal Rao (Oklahoma Center for Neuroscience)
1992 - 1997 M. Annette Dorheim (Anatomical Sciences)

M.S. Advisor

2013 - 2014 Morgan Cocke (Biological Sciences – TTU)
2010 - 2011 Sessa Raghavan Krishnamachari (Biotechnology – TTU)
2010 - 2011 Brittany Rosales (Pharmacology and Neuroscience)
1996 - 1998 Pete Moore (Pathology)

Trainees

High School Students:

2014 Jonathan Andrew, Christ the King Cathedral School Science Fair
1996 Danh Truong, Okla. School of Science and Mathematics Mentorship Program
1992 Rachel Yudovich, Summer Academy Research Program
1991, 1992 Katie Rohrer, Summer Academy Research Program

UNIVERSITY TEACHING DUTIES AND ADMINISTRATIVE APPOINTMENTS (Continued)

Undergraduate Students

2009	Katie Desobry, Texas Tech University
2009	Kristi Louder, Texas Tech University
2008	Sonia Shah, Texas Tech University
2008	James Deal, Texas Tech University
2008	Robert Cooper, Texas Tech University
2008	David Woodburn, Texas Tech University
2008	Gerrid Warner, Texas Tech University
2007	Ronnie Cole, Texas Tech University
2007	Carolyn Key, Baylor University
2007, 2008	Jill Wright, Texas A & M University
2007	Trevor Wall, Texas Tech University
2006, 2007	Graham Brown, Texas Tech University
2005, 2006	Kevin Cole, Texas Tech University
2001	Ivy Thorton, Oklahoma Christian University
2000	Mike Riden, University of Central Oklahoma
2000	Todd Ottman, University of Central Oklahoma
2000	Matt Young, University of Central Oklahoma
2000	Jay Christensen, Oklahoma State University
1999	Lillian Rojo, University of Oklahoma
1997	Ira Thomas, University of Oklahoma
1996	Elaine Craig, Oklahoma Christian University
1995	Bushra Muneer, University of Oklahoma
1992	Amy Carter, University of Central Oklahoma
1991, 1992	Barbara Greb, Oklahoma State University
1990	Mai Tran, Dartmouth University

Graduate Students

2006	Jenni Brumelle, Pharmacology
2006	Shouryadeep Srivastava, Pharmacology
1994	John Wally, Pharmacology
1992	Tim Herron, Pharmacy

Medical Students

2007	Suchin Wadhvani
2004	Akinkunle Owoso
2001	Lillian Rojo
2001	Tracie Pham
1999	Laura Gilmore
1998	Kanika Hampton
1997	Angelia Kirkpatrick
1993	Mai Tran
1991	Yen Tran
1991	Anne Hamik
1991	Fred Blair

SURE Program Students

1998	Jennifer Spragins, Southwestern Oklahoma State University
1996	Stephanie Hayton, University of Central Oklahoma
1994	Andrew Custer, Tufts University

SURE Program Students (continued)

1993 Kim Sachen, University of Oklahoma
1992 Michael Reep, University of Ohio

Postdoctoral Fellows and Pathology Residents

2008 – 2014 Ester Luo, PhD
2008 – 2009 Shu Wang, Ph.D.
2007 – 2008 Haripriya Vittal Rao, Ph.D.
2007 – 2010 Marianne Evola, Ph.D.
2006 – 2014 Alma Sanchez, Ph.D.
2006 – 2013 Debjani Tripathy, Ph. D.
2005 – 2007 Paula Desmond, Ph.D.
2004 - 2006 Lakshmi Thirumangalakudi, Ph.D.

Postdoctoral Fellows and Pathology Residents

1998 - 2002 Georgette D. Kanmogne, Ph.D.
1998 - 2001 Talitha Rajah, Ph.D.
1998 - 2001 Ulrich Reimann-Philipp, Ph.D.
1996 - 1997 Max Cary, D.V.M., Ph.D.
1995 - 1997 Isabelle Delton-Vandenbroucke, Ph.D.
1995 - 1996 Victoria Christiansen, Ph.D.
1994 - 1995 Ram Hegde, Ph.D.
1993 - 1994 Murukambat Kumar, M.D., Ph.D.
1993 - 1994 Rob Cashman, M.D

Research Faculty

2012 - 2014 Akhilesh Pandey, Ph.D.
2002 - 2004 Alexander M. Christov, Ph.D.
2002 - 2004 Georgette D. Kanmogne, Ph.D.
2000 - 2004 Molina Mhatre, Ph.D.

NON-UNIVERSITY SERVICE

Local:

2012 Speaker, LBWI-Symposium
"Alzheimer's disease: Update on research, care and support"
2012 Moderator, Health & Wellness Symposium
2012 Speaker, GSBS Graduate Student and Faculty Retreat
" Brain blood vessels in Alzheimer's disease; a new therapeutic target for an old disease"
2012 Speaker, Women's Faculty Club,
"Update on Alzheimer's disease"
2010 Speaker, Garrison Education and Care Center Lecture,
"Alzheimers Disease: New approaches to prevention and treatment"
2009 Speaker, Lubbock Women's Club, "Eating, drinking and other strategies to prevent Alzheimer's Disease"
2009 Speaker, Community Medical School, "Eating, drinking and other strategies to prevent Alzheimer's Disease"
2008 Speaker, Garrison Institute on Aging Lecture Series, "New developments in Alzheimer's disease research"

NON-UNIVERSITY SERVICE (Continued)

2008 Speaker, ASCO Christmas Celebration "New developments in Alzheimer's disease research"
2008 Speaker, Horizon Club "Alzheimer's research at TTUHSC"
2008 Speaker, Technology Open House "Use of angiogenic drugs for Alzheimer's treatment"
2008 Speaker, Financial Women International Group "Untangling Alzheimer's: Research into the causes of AD"
2006 Speaker, Garrison Center Educational Series, "New developments in Alzheimer's disease research."
2006 Moderator, NIH Director's meeting co-hosted by the Garrison Institute on Aging and Student Research Week, "Senescence"
2006 Speaker, Leadership Texas, Lubbock Session "Alzheimer's Research"
2006 Moderator, Texas Tech University Health Sciences Center "From Science to Interventions: Understanding Memory Disorder in Aging"
2005 Speaker, Lifelong Learning Center, Texas Tech University, "Alzheimer's Research"
2005 Speaker, Rotary Club "Garrison Institute and AD Research"
2005, 2008 Speaker, Lubbock Club Roundtable "Garrison Institute and AD Research"
2005 Speaker, Seniors are Special "Alzheimer's Disease"
2004 Member, Prevent Blindness Annual Event Planning Committee
2004 Reviewer, College of Allied Health, Seed Grant Program
2003 Speaker, Brighton Garden Assisted Living, "Research Developments in Alzheimer's Disease"
2002, 2003 Reviewer, Oklahoma Biomedical Research Infrastructure Network Grants
2001 Speaker, Nichols Hills Methodist Church, "Alzheimer's Disease"
2000 Speaker, Department of Health, "Research Developments in Alzheimer's Disease"
2000 Speaker, Jim Thorpe Rehabilitation Neuroscience Education Series, "Research Developments in Alzheimer's Disease"
1999 Speaker, Geologist Wives Association, "Developments in Alzheimer's Research"
1999, 2000 Speaker, Leadership Oklahoma, Health and Medical Services Day
1998 Telepledge Chair, American Heart Association - Oklahoma Affiliate
1997 Panelist, "The Brain: Disease of the Central Nervous System", Westminster Presbyterian Church
1997 Round Table Discussion Chair, "Alzheimer's Disease", OB/GYN Fall Symposium
1997 Speaker, Integris Third Age Life Center, Baptist Medical Center
1997 Speaker, McFarlin Memorial Church Alzheimer's Support Group
1995 Speaker, Norman High School Science Club
1995 Speaker, Chapter Meeting, National Assoc. of Retired Federal Employees
1994 Speaker, Eisenhower Elementary School Gifted Girls Program
1993 American Heart Association Telepledge Volunteer
1992, 95, 96, 98 - 00 Reviewer, Presbyterian Health Foundation Peer Review Committee
1992, 1996, 1999 Reviewer, Medical Alumni Association Research Grants
1990 Speaker, Putnam City Schools Conference "Smart Girls/Gifted Women"

Regional:

2013 September 2013, Sodalis Elder Living Alzheimer's disease Symposium New Braunfels, Texas, "Eating, drinking and other strategies to prevent Alzheimer's disease"
2013 August 2013, Texas Partnership on Autism, Cardiovascular Disease and Stroke Meeting Austin, Texas, "Healthy Lubbock"

NON-UNIVERSITY SERVICE (Continued)

- 2012 November 2012, The Jasper L. and Jack Denton Wilson Foundation
 Dallas, Texas, "A New Approach to the Treatment of Alzheimer's disease"
- 2011 Speaker, Meadow Lake Retirement Center, Tyler "Eating, drinking and other
 strategies to prevent Alzheimer's Disease"
- 2011 Speaker, Amarillo School of Pharmacy, "A role for blood vessels in the pathogenesis
 of Alzheimer's disease"
- 2011 Speaker, Lincoln Towers, Retirement Residence, Odessa "Eating, drinking and
 other strategies to prevent Alzheimer's Disease"
- 2011 Speaker, Parks Methodist Retirement Village, Midland "Eating, drinking and other
 strategies to prevent Alzheimer's Disease"
- 2009 Speaker, Hobbs Rotary Club, "Eating, drinking and other strategies to prevent
 Alzheimer's Disease"
- 2009 Speaker, San Angelo Area Agency on Aging Conference, "Eating, drinking and
 other strategies to prevent Alzheimer's Disease"
- 2009 Member, Alzheimer's State Plan Research Goals Committee
- 2009 Speaker, Village at Manor Park, "Eating, drinking and other strategies to prevent
 Alzheimer's Disease"
- 2009 Speaker, TEVA Pharmaceuticals, "Treatment of Neurodegenerative diseases"
- 2007 Speaker, West Texas Chapter of Society for Neuroscience, "A role for blood vessels
 in the pathogenesis of Alzheimer's disease"
- 2006 Speaker, NIH Director's Regional Meeting on Aging Research
- 2006 Speaker, Educational Institute on Aging (Sears Methodist), "A Century of Research
 and Clinical Care"
- 2006 Speaker, Joint Hearing Senate Committee on State Affairs, Senate Committee on
 Health and Human Services
- 2006 Speaker, White House Conference on Aging Public Forum
- 2005-2006 Member, Alzheimer's Association STAR Chapter Board
- 2003 Moderator, Alzheimer's Association-Tulsa, Conference "Early onset
 AD"
- 2001 Speaker, Alzheimer's Association Education Symposium, "Cutting Edge
 Research"
- 2000 Speaker, Brain Injury Association of Oklahoma, "Visualizing tomorrow's brain injury
 treatment today"
- 2000 Speaker, Alzheimer's Association Education Symposium, "Heart disease and
 Alzheimer's disease, is there a connection?"
- 1998 Panelist, "Health Issues for the Millennium", OK. Commission on the Status of Women
- 1997, 1999, 2001 Speaker, Oklahoma Innovations Radio Broadcast
- 1996, 1998 Speaker, Statewide Delegate Mtg., Natl. Assoc. of Retired Fed. Employees
- 1994 Speaker, American Heart Assoc. of Okla. - Delegate Assembly, Guthrie OK
- 1994 OCAST Presentation, Frederick, Oklahoma
- 1993, 1994 NIH Institutional Development Award Reviewer

National/International:

- 2014 Keynote Speaker – International Society for Neurovascular Disease, San Francisco,
 CA, "The role of Blood Vessels and Inflammation in the Pathogenesis of
 Neurological Disorders"
- 2013 Speaker, Vascular Mediators in Alzheimer's Disease and Neurodegenerative
 Disorders, Dallas, TX, "Targeting vascular activation: a novel therapeutic strategy for
 Alzheimer's disease"
- 2012 Speaker, The Roskamp Institute, Sarasota, FL, "Targeting vascular activation: A
 novel therapeutic strategy for Alzheimer's disease"

NON-UNIVERSITY SERVICE (Continued)

- 2011 Speaker, Clinical Trial on Alzheimer's disease (CTAD), San Diego, CA,
"Targeting vascular activation: a novel therapeutic strategy for AD"
- 2011 Speaker, Cedars-Sinai Department of Neurology and Regenerative Medicine Institute
Los Angeles, CA, "A role for brain blood vessels in the pathogenesis of AD"
- 2011 Speaker, INECO Foundation Second Latin-American Heart & Brain Meeting,
Buenos Aires, Argentina
- 2010 Speaker, Pfizer, "Brain Blood vessels: Novel targets for Alzheimer's disease
therapies, Groton, CT
- 2010 Speaker, Heart-Brain Conference, Las Vegas, NV
- 2010 Chair, Session on Animal models of disease, Vascular mechanisms in Brain Aging
Workshop, Atlanta, GA
- 2010 Speaker, Vascular mechanisms in Brain Aging Workshop, Atlanta, GA
- 2008 Speaker, NIH workshop The Role of the Vascular System in Neurological Diseases
of the Aging Brain.
- 2007 Co-chair, Strategies for Advancing Brain Barrier's Translational Research
- 2002 Speaker, Alzheimer's Association, Donor meeting and staff training session
- 1996 - 2000 Member, American Society for Investigative Pathology Committee for Career
Development, Women and Minorities
- 1995 - 1998 Institutional Liaison, American Society for Investigative Pathology
- 1994 - 1999 Member, Society for Neuroscience Committee, "Development of Women's Careers
in Neuroscience"
- 1993 - 1996 President, Women in Neuroscience
- 1992 Co-organizer, Women in Neuroscience Annual Symposium
- 1991 - 1996 Member, Women in Neuroscience Steering Committee

Editorial Responsibilities

Section Editor: Vascular Cell

Associate Editor: Journal of Alzheimer's Disease

Editorial Boards: Journal of Neuroinflammation
Molecular Neurobiology
Journal of Geriatric Psychiatry and Neurology
Research Communications in Molecular Pathology and Pharmacology
Frontiers in Bioscience
Phenotype and Gene Expressions
International Journal of Alzheimer's disease
Expert Reviews in Molecular Medicine (ERMM)
International Journal of Clinical and Experimental Pathology.

Guest Reviewer:

Nature Reviews Neuroscience
Metabolism

Journal of Neurochemistry
Proceedings National Academy of Science
Neurobiology of Aging
Microvascular Research
Free Radical Biology and Medicine
Journal of Child Neurology
Neuropathology and Applied Neurobiology
Journal of Neuroinflammation
Archives of Biochemistry and Biophysics
Future Neurology

Histochemistry and Cell Biology
Experimental Eye Research
Journal of Clinical Investigation
Hypertension
American Journal of Pathology
Journal of Alzheimer's disease
Synapse
Journal of Cerebral Blood Flow
and Metabolism
Neuroscience Letters
Angiogenesis

Grant Review/Study Section

2014	United Kingdom – Medical Research Council
2014	University of North Texas Institute for Aging and Alzheimer's disease Translational Grant Program
2012	Auckland Medical Research Foundation
2012	NIH Chronic Dysfunction and Integrative Neurodegeneration (CDIN) Study Section
2012	Israel Science Foundation
2011	NIA Oregon Alzheimer Disease Center
2010	NIH Brain Disorders and Clinical Neuroscience Integrated Review Group
2009	NIH ZAG1-ZIJ-4 (02) Early Alzheimer's Disease
2009	NIH ZRG1-CVRS-C (02) Vascular Channel Regulation
2009	NIH ZRG1-BDCN-T (58) RFA-OD-09-003 Challenge Grant Panel 11
2009	The Craig H. Neilson Foundation
2008	NIH ZRG1-CVS-D (03) Hypertension and Vascular Smooth Muscle
2008	Research Foundation into Aging (UK based charity)
2008	NIH ZRG1 CVS D-03 VED Review Special Emphasis Panel
2007	Phillip Morris External Review Program
2007	NIH ZNS1-SRB-M50 – K99 Review
2007	Auburn University Bio Grant Program
2006	NIH CDIN Cell Death in Neurodegeneration
2006	American Heart Association, Western Review Consortium
2006	NIH ZRG1-BINP-L (01) Brain Injury and Neurovascular Pathologies
2005	NIH ZRG1 CDIN-D (01) Cell Death and Injury in Chronic Neurodegeneration
2004	NIH Hypertension and Microcirculation Study Section
2004	NIH ZRG1- CVS-G Special Emphasis Panel
2000	NIH ZRG1-MDCN-2 Special Emphasis Panel
2000	NIH RFA Gene expression profiling in the nervous system
2000	NIH ZRG1-BDCN-1 Special Emphasis Panel
1998 – 2005, 2012	Alzheimer's Association
1994,97,98, 2003-10, 2012	Univ. of California, San Francisco - Tobacco-Related Disease Program
1996, 1997, 2000	National Science Foundation, Graduate Fellowships - Biology Section
1992, 1996, 2002	Veterans Administration Merit Grants

GRANT SUPPORT

Current

National Institutes of Health (NIH)

"Targeting vascular activation: a new novel therapeutic strategy for Alzheimer's
(PI) \$408,375 04/01/2012 – 03/31/2016

Previous Research Support

Corporation for National and Community Service - Federal

"Lubbock RSVP State Grant"
(PI) \$45,603.40 04/01/2013 – 03/31/2014

Corporation for National and Community Service - State

"Lubbock RSVP State Grant"
(PI) \$21,435.00 11/15/2013 – 08/31/2014

GRANT SUPPORT continued

Previous Research Support (continued)

Department of State Health Services Transforming Texas (TT)

"Healthy People in Healthy Communities"

(PI) \$2,170,000 09/15/2012-09/30/2016

The Jasper L. and Jack Denton Wilson Foundation

"A New Approach to the Treatment of Alzheimer's disease"

(PI) \$100,000 01/01/2013-03/31/2014

Corporation for National and Community Service

"Lubbock RSVP State Grant"

(PI) \$58,787 04/01/2012 – 03/31/2013

National Institutes of Health (NIH)

"Vascular-mediated neuronal death in Alzheimer's"

(PI) \$1,250,000 09/30/99 – 08/31/05

(PI) \$1,250,000 07/01/07 – 04/30/13

Corporation for National and Community Service

"Lubbock Retired Senior Volunteer (DADS)

(PI) \$21,435 09/01/2011 – 08/31/2012

National Institutes of Health (NIH)

"Vascular inflammation in the aging brain"

(PI) \$1,100,000, 08/01/06 – 07/31/11

National Institutes of Health (NIH)

"Is there a link between Alzheimer's and atherosclerosis?"

(PI) \$900,000, 01/15/04 – 12/31/010

McNeil Consumer and Specialty Pharmaceuticals

"Vascular-mediated neurodegeneration: A novel target for acetaminophen"

(PI) \$75,000, 09/01/06 – 08/31/07

National Institutes of Health (NIH)

"Vascular-mediated neuronal death in Alzheimer's"

(PI) \$1,250,000 09/30/99 - 08/31/05

National Institutes of Health (NIH)

"HIV-1 gp120-induced endothelial cell dysfunction"

(Mentor) \$675,000, 04/01/03 - 03/31/08

Alzheimer's Association

"Alzheimer's disease and heart disease: Is there a connection?"

(PI) \$240,000, 09/01/01 - 08/31/04

National Institutes of Health (NIH)

"Oklahoma Biomedical Research Infrastructure Network (BRIN)"

(Core Facility Director) \$5,111,451, 09/30/01 - 09/29/04

GRANT SUPPORT continued

Previous Research Support – continued

Presbyterian Health Foundation

"Effects of apoE isoforms and hyperlipidemia on vascular-mediated neurotoxicity"
(PI) \$60,000, 05/01/03 - 04/30/04

American Foundation for AIDS Research (amfAR)

"Cellular Mechanisms in AIDS Dementia"
(Mentor) \$90,000, 09/01/01 - 08/31/03

Alzheimer's Association Zenith Award

"Vascular-mediated neuronal death in Alzheimer's"
(PI) \$200,000, 07/01/98 - 08/31/00 (Extended 06/30/01)

Presbyterian Health Foundation

"Retinal endothelial cells: selective targets in diabetes"
(PI) \$69,950, 10/01/99 - 09/30/00 (Extended to 07/31/01)

American Heart Association of Oklahoma

"Do cultured endothelial cells derived from SHR express a pro-oxidant/ inflammatory phenotype?"
(PI) \$105,000, 07/01/97 - 06/30/00

College of Medicine Alumni Research Fund - University of Oklahoma

"Retinal endothelial cells: selective targets in Diabetes"
(PI) \$20,000, 07/01/98 - 06/30/99

Oklahoma Center for the Advancement of Science and Technology (OCAST)

"Vascular-mediated neuronal death in Alzheimer's disease"
(PI) \$105,000, 06/01/98 - 05/31/01 (Returned Aug. 1998 - Overlap Funding)

Presbyterian Health Foundation

"Microvessels from Alzheimer's brain can cause neuronal injury"
(PI) \$48,364, 09/01/97 - 08/31/98

Alzheimer's Association

"Endothelial-neuronal interactions in Alzheimer's"
(PI) \$150,000, 07/01/95 - 06/30/98

National Institutes of Health, NINDS

"Cerebrovascular signal pathways in aging and Alzheimer's"
(PI) \$499,633, 09/30/91 - 09/29/95 (extended to 9/29/97)

Presbyterian Health Foundation

"Identification and characterization of endothelial-derived toxic factors"
(PI) \$50,794, 10/01/96 - 09/30/97

Presbyterian Health Foundation

"Brain endothelial cell function in aging and Alzheimer's disease"
(PI) \$51,869, 10/01/95 - 09/30/96

GRANT SUPPORT continued

Previous Research Support – continued

Oklahoma Center for the Advancement of Science and Technology

"Anoxic injury to brain microvessels"

(PI) \$90,000, 06/01/93 - 05/31/96

Glenn Foundation

"Free radical production in cerebral microvessels in aging and Alzheimer's"

(PI) \$10,000, 1994

American Heart Association of Oklahoma

"Endothelial control of vascular reactivity in hypertension"

(PI) \$105,000, 07/01/90 - 06/30/93

Oklahoma Center for the Advancement of Science and Technology

"Blood-brain barrier in aging and dementia"

(PI) \$142,833, 09/01/90 - 08/30/92

University of Oklahoma HSC Research Council Equipment Repair Fund

"Pharmacia fast protein liquid chromatography"

(PI) \$5,000, 07/01/92

American Health Assistance Foundation

"Blood-brain and aging"

(PI) \$79,068, 04/01/89 - 06/30/92

Michigan Heart Association

"Endothelial control of vascular reactivity in hypertension"

(PI) \$24,500, 07/01/89 - 06/30/90

Alzheimer's Disease and Related Disorders Association

"Blood-brain barrier and aging"

(PI) \$20,000, 12/01/88 - 11/30/89

Wayne State University, Research Award

"The effects of neurohumoral agents on cerebral microvessels"

(PI) \$3,800, 05/01/83 - 04/30/84

Alzheimer's Association

"CAP-37, an inflammatory mediator in Alzheimer's disease"

(Co-I) \$150,000, 07/01/95 - 06/30/98

Arthritis Foundation

"The mechanism of TIMP-mediated inhibition of angiogenesis"

(Co-I) \$208,332, 07/01/96 - 06/30/97

Oklahoma Center for the Advancement of Science and Technology (OCAST)

"CAP37, a mediator of atherosclerosis?"

(Co-I) \$105,000, 07/01/94 - 06/30/97

GRANT SUPPORT continued

Previous Research Support – continued

American Diabetes Association

"Metalloproteinase-mediated turnover of extracellular matrix components in Diabetes"
(Co-I) \$98,883, 07/01/94 - 06/30/96

American Heart Association of Oklahoma

"Alterations in matrix metalloproteinase expression in hypertension"
(Co-I) \$35,000, 07/01/95 - 06/30/96

National Institutes of Health USPHS HL 23603

"Pathogenesis of hypertensive cardiovascular disease"
(Co-I) \$1,252,288, 07/01/88 - 06/30/93

American Heart Association

"Regulation of growth in the vessel wall"
(Co-I) \$88,600, 07/01/89 - 06/30/92

National Institutes of Health USPHS HL 23603

"Pathogenesis of hypertensive cardiovascular disease"
(Co-I) \$643,037, 07/01/83 - 06/30/88

Training Grant Support:

Previous:

National Institutes of Health

"Behavioral medicine: cardiovascular disease research"
(Co-I) \$631,590, 07/01/99 - 06/30/04

National Institutes of Health

"Biopsychology training in alcohol research"
(Co-I) \$1,006,840, 07/01/97 - 06/30/2002

National Institutes of Health

"Septic shock and tissue injury"
(Co-I) \$634,200, 07/01/94 - 06/30/98

PATENTS

Filed: Patent application, November 10, 1998
Patent No. 60/065,784
Entitled: Endothelial-Derived Toxic Factor
Inventors: Paula Grammas, Paul Weigel

Filed: Patent application, October 1, 2008
Patent No. To be assigned
Entitled: Use of Endothelial Interruptors in the Treatment of Neurodegenerative Diseases
Inventors: Paula Grammas, Randolph Schiffer

COMPANY

Company: TEBRACO (Texas Brain Company)
Established: 2006
Founding Directors: Randy Schiffer, Paula Grammas, and Cornelius Van Der Schyf

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10. Oriold-Dereski M, **Grammas P**, Giacomelli F, Diglio C, Wiener J. Autonomic receptor characterization in cultured adult rat cardiac myocytes: Morphologic-functional correlation. *J Mol Cell Cardiol*, **20**:701-710, 1988.
11. **Grammas P**, Diglio CA, Giacomelli F, Wiener J. Cerebrovascular angiotensin II receptors in spontaneously hypertensive rats. *J Cardiovasc Pharmacol*, **13**:227-232, 1989.
12. Diglio CA, **Grammas P**, Giacomelli F, Wiener J. Angiogenesis in rat aorta ring explant cultures. *Lab Invest*, **60**:523-531, 1989.
13. **Grammas P**, Oriold-Dereski M, Diglio C, Giacomelli F, Wiener J. Autonomic receptor interactions in isolated cardiac myocytes from hypertensive rats. *J Mol Cell Cardiol*, **21**:807-815, 1989.
14. Caspers ML, Kwaiser TM, **Grammas P**. Control of [3 H]-ouabain binding to cerebromicrovascular (Na $^+$ +K $^+$)-ATPase by metal ions and proteins. *Biochem Pharmacol*, **39**:1891-1895, 1990.
15. **Grammas P**, Roher AE, Ball MJ. Decreased α -adrenergic receptors at the blood-brain barrier in Alzheimer's disease. In Alzheimer's Disease: Basic Mechanisms, Diagnosis and Therapeutic Strategies. K. Iqbal, D.R.C. M c Lachlan, B. Winblad, H.M. Wisniewski, eds, *John Wiley & Sons., Ltd*, 1991, pp 129-136.

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31. Dorheim MA, Tracey WR, Pollock JS, **Grammas P**. Nitric oxide is elevated in Alzheimer's brain microvessels. *Biochem Biophys Res Commun*, **205**:659-665, 1994.

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- Kanmogne GD, Kennedy RC, **Grammas P**. Analysis of human lung endothelial cells for susceptibility to HIV-1 infection and co-receptor expression. *Am Soc Virol*, **1**:145, 2000.
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- Kanmogne GD, Kennedy RC, **Grammas P**. Infection of baboon microglia with SHIV isolates. *FASEB*, **15**:A589, 2001.
- Grammas P**, Ovase R. Inflammatory factors are elevated in brain microvessels in Alzheimer's disease. *FASEB*, **15**:A938, 2001.
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- Mhatre M, Forester S, **Grammas P**. Intracerebroventricular administration of thrombin causes cognitive deficits in rats. *Soc Neurosci*, 2001.
- Grammas P**, Ottman T, Reimann-Philipp U. Vascular-derived thrombin generates neurotoxic apolipoprotein E fragments. *Soc Neurosci*, 2001.
- Riden M, **Grammas P**. Decreased levels of glutathione peroxidase activity and ZO-1 protein expression in retinal endothelial cells. *FASEB*, 2002.
- Grammas P**, Ovase R. Cerebrovascular TGF- β contributes to inflammation in the Alzheimer brain. *FASEB*, 2002.
- Kanmogne G, Kennedy R, **Grammas P**. Microglia infected with SIV/HIV recombinant viruses induce neuronal cell death. *ISNV*, 2002.
- Ottman T, Christov A, Larabee J, Weigel PH, **Grammas P**. Brain endothelial cells release thrombin in response to protein kinase C (PKC) inhibition and injury. *Soc Neurosci*, 2002.
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- Kanmogne GD, Kennedy RC, **Grammas P**. HIV-1 gp120 proteins and gp160 peptides are toxic to brain endothelial cells and neurons: Possible pathway for HIV entry into the brain and HIV-associated dementia. *Soc Neurosci*, 2002.

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- Ottman T, Rao H, **Grammas P**. Thrombin and oxidative stress cause induction of cell cycle proteins and cell death in cultured neurons. *Soc Neurosci*, 2003.
- Christov A, Ottman, T, **Grammas P**. Pathological changes in Alzheimer's brain elevated with fluorescence emission analysis (FEA). *BIOS*, 2004.
- Thirumangalakudi L, Samany Ghatreh P, Hamdheydari L, Ottman T, **Grammas P**. Angiogenic proteins are elevated in Alzheimer's disease microvessels. *FASEB*, 2005
- Vittal Rao H, Thirumangalakudi L, Hamdheydari L, Ottman T, **Grammas P**. CyclinD1 and cdk4 mediate thrombin-induced apoptosis in cultured neurons. *Soc Neurosci*, 2005
- Thirumangalakudi L, Yin I, Vittal Rao H, Hamdheydari L, **Grammas P**. IL-8 induces metalloproteinase expression and apoptosis in cerebral cortical cultures. *Soc Neurosci*, 2005.
- Vittal Rao H, Thirumangalakudi L, **Grammas P**. Cyclin C is involved in thrombin-induced cell cycle re-entry in neurons. *Soc Neurosci*, 2006
- Thirumangalakudi L, Yin L, Cole K, Vittal Rao H, **Grammas P**. Thrombin is synthesized by cultured cortical neurons and is upregulated in response to oxidative stress. *Soc Neurosci*, 2006
- Cole K, Thirumangalakudi L, Vittal Rao H, **Grammas P**. Thrombin induces choline acetyltransferase in primary cortical neurons. *Soc Neurosci*, 2006
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- Sanchez A, **Grammas P**. PACAP38 protects against sodium nitroprusside-induced apoptosis in rat cortical neurons. *Experimental Biology*, 2007
- Tripathy D, Thirumangalakudi L, **Grammas P**. MIP1- α expression is elevated in Alzheimer's vessels and is regulated by oxidative and lipid stress. *Experimental Biology*, 2007
- Vittal Rao H, Thirumangalakudi L, **Grammas P**. Cyclin C is involved in thrombin-induced neuronal apoptosis. *Soc Neurosci*, 2007
- Desmond P, Evola M, Young A, **Grammas P**. Oxidative stress impairs learning and memory in ApoE knockout mice. *TTUHSC Researchers Symposium*, 2007.
- Wall T, Brown G, **Grammas P**. Oxidative stress and Alzheimer's disease increase inflammatory protein expression in brain microvessels. *TTUHSC Researchers Symposium*, 2007.
- Pandey AK, Yin X, Schiffer RB, Hutson, JC, Stocco DM, **Grammas P**, Wang X. An Autocrine Loop Involved in Cyclooxygenase-2-dependent Inhibition of Steroidogenic Acute Regulatory Gene Expression in MA-10 Mouse Leydig Cells. The Endocrine Society Annual Meeting, 2008.

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Vittal Rao H, Thirumangalakudi L, **Grammas P**. Cyclin C is involved in thrombin-induced neuronal apoptosis. *TTUHSC Student Week*, 2008.

Cole R, Evola M, Young A, **Grammas P**. Oxidative stress impairs learning and memory in ApoE knockout mice. *TTUHSC Student Week*, 2008.

Wall T, Brown G, **Grammas P**. Oxidative stress and Alzheimer's disease increase inflammatory protein expression in brain microvessels. *TTUHSC Student Week*, 2008.

Sanchez A, Wadhvani S, **Grammas P**. Inhibition of p38 MAPK contributes to the protective action of VEGF in primary cortical neurons. *Soc Neurosci*, 2008.

Tripathy D, Vittal Rao H, **Grammas P**. Acetaminophen protects brain endothelial cells against oxidative stress. *Soc Neurosci*, 2008.

Tripathy D, Yin X, **Grammas P**. Age dependent expression of inflammatory and neurotoxic proteins in brain microvessels. *Soc Neurosci*, 2009.

Sanchez, A, **Grammas P**. Pigment epithelium-derived factor (PEDF) protects neurons from oxidant injury by activation of extracellular signal-regulated kinase (ERK) 1/2 and induction of Bcl-2. *Experimental Biology*, 2010

Grammas P, Yin X, Sanchez A, Evola M, Young A. Targeting vascular activation: a novel therapeutic strategy for Alzheimer's disease. *CTAD*, 2011.

Martinez J, Riley J, Gay D, **Grammas P**. Treatment with an anti-angiogenic compound alleviates cognitive deficits in a transgenic mouse model of Alzheimer's disease. *Soc Neurosci*, 2012.

Sanchez A, Yin X, Tripathy D, Mudannayake M, O'Bryant S, **Grammas P**. Endothelial microparticles, a new marker in Alzheimer's disease. *Soc Neurosci*, 2012.

Tripathy D, Sanchez A, Yin X, Luo J, Martinez, J, Miller B, **Grammas P**. p38MAPK, a mediator of hypoxia-induced cerebrovascular inflammation. *Soc Neurosci*, 2012.

Grammas P, Sanchez A, Luo J, Yin X. A role for thrombin as a mediator of cerebrovascular abnormalities in Alzheimer's disease and diabetes. *Soc Neurosci*, 2013.

Luo J, Pandey A, Yin X, Martinez J, **Grammas P**. Complex response of brain endothelial cells to hypoxia: implications for Alzheimer's disease. *Soc Neurosci*, 2013

Pandey A, Yin X, **Grammas P**, Wang X. Steroidogenic acute regulatory protein expression and novo estrogen biosynthesis in cerebrovascular endothelial cells of rats. *Soc Neurosci*, 2013

PUBLISHED BOOK REVIEWS

Grammas, P. "Proteases and Protease Inhibitors in Alzheimer's Disease Pathogenesis", Eds. Carl D.B. Banner and Ralph A. Nixon, PJD Publications Limited, Westbury, NY, Annals of New York Academy of Sciences, 1992. *Res Comm Chem Pathol Pharmacol*, **82**:127-128, 1993.

Grammas, P. "Aging and Cellular Defense Mechanisms", Eds. Claudio Franceschi, Gaetano Crepaldi and Vincent Cristofalo, PJD Publications Limited, Westbury, NY, Annals of New York Academy of Sciences, 1992. *Res Comm Chem Pathol Pharmacol*, **84**:129-130, 1994.

INVITED PRESENTATIONS

March, 1987, Federation of American Societies for Experimental Biology.
Washington, DC, "Cerebrovascular alterations in hypertension"

February, 1988, Eastern Virginia Medical School, Dept. of Pathology.
Norfolk, VA, "Receptor control of microvascular endothelial cell function in brain"

July, 1988, Hoffmann-La Roche.
Nutley, NJ, "Regulation of cerebrovascular endothelial cell function by vasoactive agents"

October, 1988, University of Tennessee, Dept. of Pharmacology.
Memphis, TN, "Receptor-mediated control of blood-brain barrier function"

February, 1989, University of Detroit, Dept. of Chemistry.
Detroit, MI, "The blood-brain barrier"

February, 1989, Drake University, Dept. of Pharmacology.
Des Moines, IA, "Control of cyclic nucleotide metabolism in cerebrovascular endothelium"

February, 1989, University of Utah, Dept. of Pharmacology.
Salt Lake City, UT, "Cell biology of cerebral endothelium"

April, 1989, Northeastern Ohio Universities, Dept. of Physiology.
Rootstown, OH, "Regulation of the biochemical blood-brain barrier"

June, 1989, University of Illinois, Dept. of Pathology.
Peoria, IL, "Microvascular endothelial cell function in the brain"

June, 1989, University of Alabama, Dept. of Pharmacology.
Birmingham, AL, "Cerebral microvessels: the *in vitro* blood-brain barrier"

August, 1989, University of Oklahoma Health Sciences Center, Dept. of Pathology.
Oklahoma City, OK, "Regulation of cerebrovascular endothelial cell function by vasoactive agents"

February, 1990, Wayne State University, Dept. of Pathology.
Detroit, MI, "Receptor interaction in cerebromicrovascular endothelial cells"

August, 1990, Oklahoma Medical Research Foundation.
Oklahoma City, OK, "Cell biology of cerebral endothelium"

October, 1990, University of Oklahoma Health Sciences Center, Dept. of Pathology.
Oklahoma City, OK, "Is the blood-brain barrier altered in Alzheimer's disease?"

December, 1990, University of Oklahoma Health Sciences Center, Dept. of Pharmacology.
Oklahoma City, OK, "The blood-brain barrier in Alzheimer's disease"

May, 1991, University of Oklahoma Health Sciences Center, Dept. of Neurology.
Oklahoma City, OK, "Use of isolated cerebral microvessels to explore the blood-brain barrier"

May, 1991, Oklahoma State University, Dept. of Physiological Sciences.
Stillwater, OK, "Microcirculation in Alzheimer's disease"

October, 1991, University of Oklahoma Health Sciences Center, Dept. of Anatomy.
Oklahoma City, OK, "The blood-brain barrier in Alzheimer's disease"

INVITED PRESENTATIONS (Continued)

October, 1991, Oklahoma Medical Research Foundation.
Oklahoma City, OK, "Endothelial cell abnormalities in Alzheimer's disease and hypertension"

November, 1991, University of Oklahoma Health Sciences Center, Dept. of Physiology.
Oklahoma City, OK, "Endothelial smooth muscle cell interactions *in vitro*"

January, 1992, University of Oklahoma Health Sciences Center, Dept. of Neurology.
Oklahoma City, OK, "The role of the blood-brain barrier in Alzheimer's disease"

May, 1992, Oklahoma Medical Research Foundation.
Oklahoma City, OK, "Signal pathways in the cerebral microcirculation in aging and Alzheimer's disease"

February, 1993, University of Oklahoma Health Sciences Center, Dept. of Zoology.
Norman, OK, "The blood-brain barrier and Alzheimer's disease"

April, 1993, University of Oklahoma Health Sciences Center, Dept. of Pathology.
Oklahoma City, OK, "The blood-brain barrier, amyloid proteins and Alzheimer's disease"

February, 1994, Oklahoma Center for Neuroscience.
Oklahoma City, OK, "Nitric oxide - friend or foe?"

June, 1994, University of Oklahoma, Dept. of Neurology.
Oklahoma City, OK, "Anoxic injury and the cerebral microcirculation"

January, 1995, Oklahoma Medical Research Foundation.
Oklahoma City, OK, "Endothelial cells say NO"

March, 1995, University of Oklahoma, Dept. of Medicine.
Oklahoma City, OK, "Endothelial cells and nitric oxide"

March, 1995, University of Oklahoma, Dept. of Surgery.
Oklahoma City, OK, "Regulation of nitric oxide in vascular endothelial cells"

October, 1995, Fourth Annual Oklahoma Center for Neuroscience Symposium.
Oklahoma City, OK, "The cerebral microcirculation in aging and Alzheimer's disease"

March, 1996, University of Oklahoma, Dept. of Pathology.
Oklahoma City, OK, "Brain endothelium in Alzheimer's: A cell gone bad?"

March, 1996, University of Rochester, Dept. of Neurobiology and Anatomy.
Rochester, NY, "The cerebral microvasculature in Alzheimer's disease"

April, 1996, University of Oklahoma, Dept. of Medicine.
Tulsa, OK, "The cerebral microvasculature in Alzheimer's disease"

November, 1996, New York Academy of Science Cerebrovascular Pathology in AD.
Newark, NJ, "Production of neurotoxic factors by brain endothelium in AD"

February, 1997, University of Oklahoma, Dept. of Medicine, Division of Endocrinology.
Oklahoma City, OK, "Atherosclerosis and Alzheimer's, is there an endothelial cell connection?"

INVITED PRESENTATIONS (Continued)

October, 1997, Integris Third Age Life Center, Baptist Medical Center.
Oklahoma City, OK, "The latest research findings in Alzheimer's"

October, 1997, University of Oklahoma, Dept. of OB/GYN Fall Symposium.
Oklahoma City, OK, "Alzheimer's disease in women"

November 1997, Faith and Science in Dialogue II.
Oklahoma City, OK, "The brain: diseases of the central nervous system"

May, 1998, Oklahoma Center for Neuroscience.
Oklahoma City, OK, "Neuroscience graduate program"

May, 1998, University of Oklahoma, Dept. of Pathology, Promotion and Tenure Workshop.
Oklahoma City, OK, "Gaining a research reputation"

June, 1998, Research Society of Neurological Surgeons.
Oklahoma City, OK, "Cerebral vasculature in Alzheimer's disease"

March, 1999, Oklahoma Medical Research Foundation.
Oklahoma City, OK, "Cerebral circulation in Alzheimer's disease"

April, 1999, National Institutes of Health.
Bethesda, MD, "A role for the cerebrovasculature in the pathogenesis of Alzheimer's disease"

May, 1999, Vascular Factors in Alzheimer's Disease.
New Castle, England "Cerebrovasculature mediated neuronal cell death"

June, 1999, Department of Neuropathology, Queen Square Hospital.
London, England "Brain blood vessels and the pathogenesis of Alzheimer's disease"

August, 1999, Roskamp Institute, University of South Florida.
Tampa, FL "A role for brain microvessels in the pathogenesis of Alzheimer's disease"

November, 1999, Department of Physiology, University of South Florida.
Tampa, FL "The cerebral microcirculation in Alzheimer's"

February, 2000, Department of Geriatrics, University of Oklahoma Health Sciences Center
Oklahoma City, OK "Research Developments in Alzheimer's disease"

April 2000, Alzheimer's Association Education Symposium.
Oklahoma City, OK "Heart disease and Alzheimer's disease, is there a connection?"

June, 2000, Oklahoma Center for Neuroscience, University of Oklahoma Health Sciences Center.
Oklahoma City, OK "Interactions of the nervous system and target tissue (heart muscle)"

September, 2000, Brain Injury Association of Oklahoma.
Oklahoma City, OK "Brain injury as a cause of neurodegenerative disease"

January, 2001, Keystone Conference, Neuronal and Vascular Stress: In AD
Durango, CO "Brain endothelial cells are key participants in the pathogenesis of neuronal cell death in Alzheimer's disease"

INVITED PRESENTATIONS (Continued)

April 2001, Alzheimer's Association Education Symposium.
Oklahoma City, OK "Cutting Edge Research"

April 2001, Texas Tech University Health Science Center.
Lubbock, TX "Brain microvessels contribute to the pathogenesis of Alzheimer's disease"

July 2001, Challenging Views of Alzheimer's Disease.
Cincinnati, OH, Debate: "Is AD a vascular or a metabolic disorder"

September, 2001, Oklahoma Medical Research Foundation.
Oklahoma City, OK "The role of brain endothelial cells in Alzheimer's disease"

May, 2002, Department of Pathology, University of Alabama.
Birmingham, AL "Brain blood vessels contribute to the pathogenesis of Alzheimer's disease"

June, 2002, Department of Pathology, Louisiana State University.
New Orleans, LA "A role for brain blood vessels in the pathogenesis of Alzheimer's disease"

December, 2002, Department of Pathology, University of Oklahoma Health Sciences Center.
Oklahoma City, OK "A role for brain blood vessels in the pathogenesis of Alzheimer's disease"

January, 2003, Dept. of Biochemistry and Molecular Biology, Univ. of Oklahoma Health Science Center
Oklahoma City, OK "A role for brain blood vessels in the pathogenesis of Alzheimer's disease"

February, 2003, ADRC Seminar Series, University of Oklahoma Health Sciences Center.
Oklahoma City, OK "Vascular factors in Alzheimer's disease"

March, 2003, Department of Anatomy and Neurosciences, The University of Texas Medical Branch,
Galveston, TX "A role for brain blood vessels in the pathogenesis of Alzheimer's disease."

August, 2003, OCNS Neuro Night, *The Brain and Neurodegenerative Disorders*.
Oklahoma City, OK "Research into the causes of Alzheimer's disease"

September, 2003, Angiogenesis Scientific Meeting, *New Opportunities & Solutions for Drug Development*,
Hyatt Regency Cambridge.
Cambridge, MA "Activation of brain endothelial cells in Alzheimer's disease (AD): A possible role for
angiogenesis in disease pathogenesis."

February, 2004, Endocrinology Research Group, OUHSC.
Oklahoma City, OK "A role for brain blood vessels in the pathogenesis of Alzheimer's disease".

February, 2005, Association for Gerontology in Higher Education
Oklahoma City, OK "Controversies in mechanisms, detection and treatment of Alzheimer's disease".

May 2005, Dean's Grand Rounds, Texas Tech University Health Sciences Center
Lubbock, TX, "Untangling Alzheimer's: New research at Texas Tech"

December 2005, Alzheimer's Research Group, Baylor University.
Houston, TX, "Vascular mechanisms in Alzheimer's disease"

January 2006, Sun Health Research Institute
Phoenix, AZ, "Vascular mechanisms in Alzheimer's disease"

INVITED PRESENTATIONS (Continued)

September 2008, Department of Psychology TTUHSC
Lubbock, Texas "A Role for Brain Blood Vessels in the Pathogenesis of Alzheimer's Disease"

November 2008, Cleveland Clinic Foundation
Cleveland, Ohio "A Role for Brain Blood Vessels in the Pathogenesis of Alzheimer's Disease"

January 2009, TEVA Pharmaceuticals
Houston, Texas "Treatment of Neurodegenerative disease"

February, 2009, Community Medical School Lecture Series
Lubbock, Texas "Eating, drinking and other strategies to prevent Alzheimer's Disease"

March, 2009, Village at Manor Park
Midland, Texas "Eating, drinking and other strategies to prevent Alzheimer's Disease"

September, 2009, West Virginia University
Morgantown, West Virginia "Brain blood vessels: Novel targets for Alzheimer's disease therapies"

October, 2009, The 9th International Symposium on VIP, PACAP and Related Peptides
Kagoshima, Japan "PACAP38 protect rat cortical neurons against the neurotoxicity evoked by sodium nitroprusside and thrombin".

November, 2009, San Angelo Area Agency on Aging Conference
San Angelo, Texas "Eating, drinking and other strategies to prevent Alzheimer's Disease"

November, 2009, Hobbs Rotary Club
Hobbs, New Mexico, "Eating, drinking and other strategies to prevent Alzheimer's Disease"

March, 2010, WBT Showcase
Dallas, Texas "Alzheimer's Disease: A New Treatment Approach"

March, 2010, US-UK sponsored Vascular Mechanisms in Brain Aging workshop
Atlanta, Georgia "Neurotoxicity and cerebral microvasculature in Dementia"

September 2010, Heart-Brain Conference
Las Vegas, Nevada "Vascular signaling abnormalities in Alzheimer's disease"

October 2010, University of North Texas
Fort Worth, Texas "A role for blood brain vessels in the pathogenesis of Alzheimer's disease"

November, 2010, Pfizer Pharmaceuticals
Groton, CT "Brain blood vessels: Novel targets for Alzheimer's disease therapies"

December, 2010, Department of Cell Physiology and Molecular Biophysics - TTUHSC
Lubbock, Texas "A role for blood vessels in the pathogenesis of Alzheimer's disease"

INVITED PRESENTATIONS (Continued)

March 2011, Parks Methodist Retirement Village
Midland, Texas, "Eating, drinking and other strategies to prevent Alzheimer's Disease"

April 2011, Lincoln Towers Retirement Residence
Odessa, Texas, "Eating, drinking and other strategies to prevent Alzheimer's Disease"

June 2011, INECO Foundation Second Latin-American Heart & Brain Meeting
Buenos Aires, Argentina " Vascular Factors in Alzheimer's Disease"

October 2011, Cedars-Sinai Department of Neurology and Regenerative Medicine Institute
Los Angeles, CA "A role for brain blood vessels in the pathogenesis of Alzheimer's disease"

November 2011, Garrison Institute on Aging Lecture Series
Lubbock, Texas, "Alzheimer's: From Bench to Bedside"

November 2011, Clinical Trials on Alzheimer's disease (CTAD)
San Diego, CA "Targeting Vascular activation: A novel therapeutic strategy for Alzheimer's disease"

December 2011, Amarillo School of Pharmacy - TTUHSC
Amarillo, Texas, "A role for blood vessels in the pathogenesis of Alzheimer's disease"

December 2011, Meadow Lake Retirement Center
Tyler, Texas "Eating, drinking and other strategies to prevent Alzheimer's Disease"

January 2012, Women's Faculty Club
Lubbock, Texas "Update on Alzheimer's disease"

January 2012, GSBS Graduate Student and Faculty Retreat
Lubbock, Texas, "Brain blood vessels in Alzheimer's disease: a new therapeutic target for an old disease"

September 2012, Reynolds Geriatric Lecture Series
Lubbock, Texas, "Brain blood vessels in Alzheimer's disease: a new therapeutic target for an old disease"

October 2012, Gender Specific Women's Health Symposium
Lubbock, Texas, "Alzheimer's disease: Update on research, care and support"

November 2012, Roskamp Institute
Sarasota, Florida, "Targeting Vascular activation: A novel therapeutic strategy for Alzheimer's disease"

November 2012, The Jasper L. and Jack Denton Wilson Foundation
Dallas, Texas, "A New Approach to the Treatment of Alzheimer's disease"

February 2013, Vascular Mediators in Alzheimer's Disease and Neurodegenerative Disorders
Dallas, Texas, "Targeting vascular activation: a novel therapeutic strategy for Alzheimer's disease"

September 2013, Sodalis Elder Living Alzheimer's disease Symposium
New Braunfels, Texas, "Eating, drinking and other strategies to prevent Alzheimer's disease"

INVITED PRESENTATIONS (Continued)

August 2013, Texas Partnership on Autism, Cardiovascular Disease and Stroke Meeting
Austin, Texas, "Healthy Lubbock"

February 2014, Keynote Speaker – International Society for Neurovascular Disease
San Francisco, CA, "The role of Blood Vessels and Inflammation in the Pathogenesis of Neurological Disorders"

September 2014, Centers for Brain Health University of Dallas
Dallas, Texas, "Vascular Factors and Alzheimer's disease"

November 2014, LSU – Malcom Feist Cardiovascular Seminar Series
Shreveport, Louisiana, "A role for blood vessels in the pathogenesis of Alzheimer's disease"

November 2014, UT Lecture Series – University of Tennessee Department of Pharmacology
Memphis, Tennessee, "A role for blood vessels in the pathogenesis of Alzheimer's disease"

March 2015, Southwestern University Lecture Series
Georgetown, Texas, "Alzheimer's disease: A looming global crisis"