CURRICULUM VITAE

STEVEN TRENT DeKOSKY, M.D.

CURRENT POSITION

Deputy Director, McKnight Brain Institute

Aerts-Cosper Professor of Alzheimer’s Research

Professor of Neurology and Neuroscience

University of Florida College of Medicine

Professor of Neurology Emeritus

University of Virginia School of Medicine

Adjunct Professor of Neurology

University of Pittsburgh School of Medicine

PERSONAL INFORMATION

Place of Birth: Camden, New Jersey, USA

Residence: 3587 SW 103rd Street

Gainesville, FL 32608

Office: McKnight Brain Institute

University of Florida College of Medicine

P. O. Box 100236

Gainesville FL 32610

E-mail: [DeKosky@UFL.edu](mailto:DeKosky@UFL.edu)

EDUCATION

1968 A.B. (Psychology) Bucknell University

Lewisburg, Pennsylvania

1968 -1970 Graduate Student Depts. of Psychology and Neuroscience

University of Florida

Gainesville, Florida

1974 M.D. University of Florida College of Medicine

Gainesville, Florida

POSTGRADUATE TRAINING

1974-1975 Intern in Internal Medicine The Johns Hopkins Hospital

Baltimore, Maryland

1975-1978 Resident in Neurology University of Florida College of Medicine

Gainesville, Florida

1978-1979 Postdoctoral Fellow, Clinical Neuroscience Research Center/

Neurochemistry Department of Neurology

University of Virginia School of Medicine

Charlottesville, Virginia

1/14-1/26/01 Program for Chiefs of Harvard School of Public Health

Clinical Services Department of Health Policy and Management

and the Center for Continuing Professional Education

Boston, Massachusetts

10/01 Good Clinical Practices for Association of Clinical Research Professionals

Clinical Investigators Chicago, IL

Nov. 2008 AAMC Executive Development American Association of Medical Colleges

Seminar for Deans Phase I Washington, DC

June 2009 AAMC Executive Development American Association of Medical Colleges

Seminar for Deans Phase II Washington, DC

Sept. 2013- Visiting Professor Department of Medical Ethics and Health Policy

March 2014 University of Pennsylvania Perelman School of Medicine

Philadelphia, PA

April 2014 - Visiting Professor Department of Radiology (UPMC PET Center)

June 2015 University of Pittsburgh School of Medicine

Pittsburgh, PA

ACADEMIC POSITIONS

1978-1979 Instructor, Department of Neurology

University of Virginia School of Medicine

Charlottesville, Virginia

1979-1985 Assistant Professor of Neurology

University of Kentucky College of Medicine

1980-1985 Assistant Professor of Anatomy

University of Kentucky College of Medicine

198l-1990 Graduate Faculty

University of Kentucky Graduate School

1983 Visiting Professor, Department of Psychobiology

University of California - Irvine

Laboratory of Dr. Carl W. Cotman

1985-1990 Associate Professor of Neurology (with tenure)

University of Kentucky College of Medicine

1985-1990 Associate Professor of Anatomy and Neurobiology

University of Kentucky College of Medicine

Lexington, Kentucky

1985-1987 Interim Chair, Department of Neurology

University of Kentucky College of Medicine

1990-2008 Professor of Psychiatry (with tenure)

Western Psychiatric Institute and Clinic (WPIC) & University of Pittsburgh School of Medicine

Pittsburgh, Pennsylvania

1990-2008 Professor of Neurology and Neurobiology

University of Pittsburgh School of Medicine

1991-2008 Graduate Faculty

University of Pittsburgh School of Medicine

* 1. Chief, Division of Geriatrics and Neuropsychiatry, WPIC

University of Pittsburgh School of Medicine

1997-2008 Professor of Human Genetics

Graduate School of Public Health

University of Pittsburgh

2000-2002 Interim Chair, Department of Neurology

University of Pittsburgh School of Medicine

2001-2004 Director, Pittsburgh Institute for Neurodegenerative Diseases

University of Pittsburgh and University of Pittsburgh Medical Center

2002-2008 Chair, Department of Neurology

University of Pittsburgh School of Medicine

2008-2013 Dean, University of Virginia School of Medicine

Vice President, University of Virginia

James Carroll Flippin Professor of Medical Science

2008-2014 Professor of Neurology and Professor of Psychiatry and Behavioral Neurosciences

University of Virginia School of Medicine

2008-present Adjunct Professor of Neurology

University of Pittsburgh School of Medicine

2013-2014 Visiting Professor

Department of Medical Ethics and Health Policy

University of Pennsylvania Perelman School of Medicine

2014-2015 Visiting Professor

Department of Radiology

University of Pittsburgh School of Medicine

2014-present Professor of Neurology Emeritus

University of Virginia School of Medicine

2015-present Professor of Neurology and Neuroscience

University of Florida College of Medicine

2015-2017 Professor of Aging and Geriatric Research

University of Florida College of Medicine

2015-present Aerts-Cosper Professor of Alzheimer’s Research

University of Florida College of Medicine

2015-present Deputy Director, McKnight Brain Institute

University of Florida College of Medicine

2015-present Member, Center for Translational Research in Neurodegenerative Disease

University of Florida College of Medicine

2016 (10 Mo.) Interim Director, McKnight Brain Institute

University of Florida College of Medicine

2016-present Graduate Faculty

University of Florida College of Medicine

Department of Neuroscience (IDP)

HOSPITAL AFFILIATIONS

1979-1985 Attending Neurologist, University Hospital

University of Kentucky, Lexington, Kentucky

1979-1990 Staff Neurologist

VA Medical Center, Lexington, Kentucky

1982-1990 Associate Medical Staff (Neurology)

Commission for Handicapped Children

Commonwealth of Kentucky

1985-1987 Interim Neurologist-in-Chief, University Hospital

Lexington, Kentucky

1985 -1990 Medical Staff, Cardinal Hill Rehabilitation Hospital

Lexington, Kentucky

1990-2008 Medical Staff, University of Pittsburgh Medical Center

Presbyterian-University Hospital, Western Psychiatric Institute and Clinic, Montefiore University Hospital

Pittsburgh, Pennsylvania

2003-2008 Medical Staff, UPMC Health System, UPMC Shadyside

Pittsburgh, Pennsylvania

2008-2013 Physician-in-Chief

University of Virginia Health System

Charlottesville, Virginia

2008-2014 Medical Staff

University of Virginia Health System

Charlottesville, Virginia

2011-2014 UVA Transitional Care Hospital and UVA Health South Rehabilitation Hospital

Charlottesville, Virginia

2015-present Medical Staff

University of Florida Health System (UFHealth)

Gainesville, Florida

PROFESSIONAL SOCIETIES AND ORGANIZATIONS

Alzheimer’s Association/Administration:

National Board of Directors (1994-2002; 2004-2011) (reelected 2004 after required 1-year hiatus)

Vice Chairman, 1998-2000

Co-Chairman, Strategic Planning Committee, 1996-1997

Member, Ethics Advisory Panel, 1997-2012

Development Committee, 2000- 2011

Public Policy Committee, 2000-2011

Finance Committee, 2006-2011

Alzheimer’s Association/Research:

National Medical and Scientific Advisory Board (MSAB)

Member, 1994

Vice-Chairman, 1995-1997

Chairman, 1997-2000

National Medical and Scientific Advisory Council (successor to MSAB)

Chairman, 1997-2002

Member, ad hoc, 2008-2014

Member, Board of Directors, World Alzheimer Congress, 1998-2000

Chair, Research Round Table – 2009

Chair, Annual Public Policy Forum, Washington, DC, 2008

Founding Chair, ISTAART (International Society to Advance Alzheimer Research and Treatment), 2008-2011; elected to second term 2012-2014

American Board of Psychiatry and Neurology

Member, Neurology Council (2003-2010) (President, 2010)

Member, Committee on Credentials –Neurology (2002-2005; Chair 2006-2010)

Member, Committee on Finance (2002-2007)

Member, Committee to Review Appeals – Neurology (2002-2007)

Member, Committee on Research and Development – Neurology (2002-2010)

Chair, Examination Committee – Neurology, Part B [behavioral neurology, neuropsychiatry, neuropsychology] (2008-2018)

Vice-Chair, Part I (Written Exam) Committee (2003-2004; Chair 2005-2007)

Member, Informatics Committee (2002-2005)

Member, Committee on Recertification (2002-2007)

Member, Committee on Core Competencies (2002-2010)

Member, Committee on Maintenance of Certification (2002-2010)

Member, Task Force on Conflict of Interest (2002-2007)

Chair, Strategic Planning Committee (2005-2010)

Member, Nominating Committee for Year 2007 Officers (2005-2006)

Liaison to Committee of Neurological Sciences (2005-2010)

Chair, Combined Part I Committee (2008-2010)

Chair, Vascular Neurology Steering Committee (2008-2010)

Member, Committee on Research and Development – Neurology (2005-2010)

ABPN Executive Committee 2008-2010

Member at Large, 2008

Secretary, 2009

ABPN Vice President and Neurology Council President, 2010

Building Committee, 2014-2017

Alzheimer’s Disease International (ADI)

Executive Committee, 2002-2005

Chair, Medical and Scientific Advisory Panel, 2002-2005

Member, MSAP, 2006-present

Member, International Advisory Board for 29th ADI Conference Dec 2013 (San Juan, Puerto Rico)

American Neurological Association (elected 1988)

Member, Long Range Planning Committee (1995-1997)

Chair, Membership Committee (2006-2008)

Member, Executive Council (elected) (2008-2011)

Elected Fellow, 2013

American Academy of Neurology (Member since 1976; Fellow, 1983-present)

Section on Geriatrics (Founding Member)

Chair (1996-1998); Vice Chair (1994-1996)

Chairman, Liaison Committee (1991-1993)

Chairman, Public Policy Committee (1993-1994)

Section on Behavioral Neurology (Founding Member)

Director, Annual Course in Geriatric Neurology (1992-1995)

Chair, Aging and Dementia Program (1995-1996)

Member, Scientific Issues Subcommittee (1995-1996)

Member, Scientific Program Subcommittee (1995-1996)

Member, Legislative Affairs Committee (1998-2008)

Director, Dementia Update Course (1999-2002)

Chair, Dementia Practice Parameters Committee of Quality Standards Subcommittee (1999-2001) Member, Practice Guidelines Committee for early detection, diagnosis, and treatment of dementia (2016)

American Brain Foundation:

Scientific Review Panel for Alzheimer’s Disease & Dementia (2017- present)

Expert Review Panel for Alzheimer’s Disease & Dementia (2017- present)

American College of Neuropsychopharmacology (ACNP; elected 2003)

Program Committee (2005-2007)

Public Policy Committee (2005-2008)

Human Research Committee (2006-2009)

American Society for Neurological Investigation (ASNI)

Councilor for the Southern United States, 1986-1988)

American Society for Experimental NeuroTherapuetics

Board of Directors, 2005-2008, 2012-2015

Society for Experimental Neuropathology

Councilor (elected) 1990-1992; Assistant Secretary Treasurer 1993-1995

Society for Neuroscience

International Society for Neurochemistry

American Society for Neurochemistry

Behavioral Neurology Society

International Society of Neuropathology

Fellow, Stroke Council, American Heart Association

New York Academy of Sciences

National Neurotrauma Society

HONORS AND AWARDS

1967 Psi Chi, Bucknell University (National Psychology honorary)

1968-1969 Predoctoral Fellowship, Center for Neurobiological Sciences

University of Florida College of Medicine

1969 Phi Sigma, University of Florida

1972 Alpha Omega Alpha Research Award

University of Florida College of Medicine

1974 Roger Schnell Award for Excellence in Clinical Neurology

(Graduation Award, University of Florida College of Medicine)

1978-1979 National Research Service Award in Developmental Neurology

(Neurochemistry) NINCDS

1980-1985 Teacher-Investigator Development Award, NINCDS

1983 Sigma Xi, University of Kentucky

1987 Research Associate, Sanders-Brown Research Center on Aging

1988 William Osler Fellow, University of Kentucky College of Medicine

1988 Presidential Award, American Neurological Association

1992 *Who’s Who in the East*

1994-present *The Best Doctors in America*

1994-1995 *Who’s Who Worldwide*

1996-1997 *Best Doctors in America: Northeast Region*

1996 Univ. of Pittsburgh Nominee: 1997 King Faisal International Prize for Medicine

1996 *Who's Who in Medicine and Healthcare*

1997 *Who's Who in Science and Engineering*

1997 11th Annual Joseph M. Foley, M.D. Lecturer, Cleveland Clinic Foundation

1998 *Who’s Who in America*

1998 David B. Tyler Memorial Lecturer, University of South Florida College of Medicine

1999 Distinguished Alumnus of the University of Florida College of Medicine

1. Ralph W. Richter Award for Excellence in the Field of Alzheimer’s Research
2. George Randolph and Patricia Scott Lectureship on the Physiology of Aging,

Mayo Foundation, Rochester, MN

2003-present Member (Neurology) American Board of Psychiatry and Neurology

##### Who’s Who in Health Sciences Education

##### Rita Hayworth Award for Alzheimer’s Disease Research, national Alzheimer’s Association

2003-present *Best Doctors in America* (continuously elected)

##### 2003-present Who’s Who in America (continuously elected)

2004-present *America’s Top Doctors* (continuously elected)

2005 Ronald and Nancy Reagan Research Institute Award for outstanding contributions to research, care, and advocacy on behalf of Alzheimer’s patients and their caregivers.

2006 NIH Great Teachers Lecturer “Alzheimer’s Disease”

2008 Alzheimer’s Association Zaven Khachaturian Award

2008-2013 James Carroll Flippin Chair in Medical Sciences, University of Virginia

2009-present *Who’s Who in Medicine and Healthcare*

2009 Leadership in Academic Medicine course participant

2013 Fellow, American Neurological Association

2013 Invited Commencement Speaker, University of Florida College of Medicine

2014 William Luttge Invited Neuroscience Lecturer, University of Florida

2015 70th Platinum Anniversary Edition of *Who’s Who in America*

2015 Who’s Who in Medical Education

2017,18,19 Marquis Who’s Who Lifetime Achievement Award

2019 Marquis Who’s Who in the World

### BOARD CERTIFICATION AND LICENSURE

1975 Diplomate of the National Board of Medical Examiners

1978 Certificate of Registration in Medicine and Surgery of the State of Virginia [active]

1. Medical Licensure, State of Kentucky

1979 Diplomate of the American Board of Psychiatry and Neurology (Neurology)

1990 Certificate of Registration in Medicine and Surgery of the State of Pennsylvania [inactive]

2004-2014 Recertification in Neurology, American Board of Psychiatry and Neurology

(still hold lifetime certification)

2015-2025 Recertification in Neurology, American Board of Psychiatry and Neurology

(Still hold lifetime certification)

2017 Medical Licensure, State of Florida MFC1788 (active)

###### RESEARCH INTERESTS

Dementia, especially Alzheimer’s disease: diagnosis, treatment, prevention; neurochemistry, genetics, neuroimaging, epidemiology, neuropsychiatry

Central Nervous System regeneration and response to injury

Traumatic Brain Injury and relationship to long-term neurological outcomes

Ethics, health policy, and clinical/biomarker aspects of preclinical assessment for dementia

PATENTS

1997: "Use of the genetics of alpha-1-antichymotrypsin (ACT) and levels of ACT in blood and CSF for diagnosis of Alzheimer's disease" (With M. Ilyas Kamboh, Ph.D.)

JOURNAL AND GRANT REVIEW

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| --- | --- |
| Editorial Boards | Journal Reviewer (cont.): |
| *JAMA Neurology (née Archives of Neurology;*  (1997-present)  Associate Editor, 2002-2005  *Alzheimer Disease and Associated Disorders: An International Journal* (1993-present)  *Neurotherapeutics* (2010-present)  *Annals of Neurology* (2001-present)  *Brain Aging International Journal* (2002-present)  *Journal of Alzheimer’s Disease* (2002-2010)  *Neurodegenerative Diseases* (2002-2009)  *Current Alzheimer Research* (2003-2010)  Journal Reviewer:  *Aging Research Reviews*  *Alzheimer’s Researcj and Therapy*  *American Journal of Psychiatry*  *Annals of Neurology*  *Archives of General Psychiatry (JAMA Psychiatry)*  *Archives of Neurology*  *Experimental Neurology*  *Journal of the American Medical Association (JAMA)* | *Journal of Cerebral Blood Flow and Metabolism*  *Journal of Comparative Neurology*  *Journal of Medical Economics*  *Journal of Neural Transmission*  *Journal of Neuroscience*  *Lancet*  *Lancet Neurology*  *Nature*  *Nature Human Behaviour*  *Nature Neuroscience*  *Neurobiology of Aging*  *Neurology*  *Neurology Network Commentary* (1996-2000)  Neuropsychopharmacology  *Neurosurgery New England Journal of Medicine*  *Physiology and Behavior*  *Preventing Dementia and Cognitive Impairment (NAS)*  *Proceedings of the National Academy of Sciences (PNAS)*  *Science*  *Science Translational Medicine*  *Stroke* |

NIH Consulting, Study Sections, and Councils:

National Institute of Health Common Fund

Scientific Advisory “Council of Councils” 2013-2016

Member, Working Group on evaluating and making recommendations for changes to Common Fund Operations, Programs, Management and Oversight (2013-14)

National Center for Complementary and Alternative Medicine (NCCAM); now National Center for Complementary  
 and Integrative Health (NCCIH)

Scientific Advisory Council, 2009-2013

Chair, Drug Safety Monitoring Board, Creatine Safety, Tolerability, & Efficacy in Huntington’s Disease

(CREST-E) Study, NCCAM

Chair, NCCAM Botanical Research Expert Panel, 2013

Study Sections Member:

Chair, Frontotemporal Dementia Program Project Review, NIA (2016)

National Institute on Aging: Ad Hoc Study Sections on Alzheimer’s Disease Research Centers:

Member and Chair multiple times between 1995 and 2012; ADRC Study Section Chair, October 2013.

NIA-Neuroscience Review Committee (1997-2001); Chairperson (2000-2001)

Alzheimer’s Disease Research Centers (NIA-funded) elected positions:

Chair, ADRC Center Directors Executive Committee

Chair, National Alzheimer Coordinating Center Steering Committee

National Institute on Aging Study Section: Geriatric Research and Training Centers (GRTCs)

Research Career Development Award Study Section, Medical Research Service, VA Central Office

Small Grants Review Committee, National Institute of Aging (multiple)

Small Business Innovation Research (SBIR), NIAA

National Institute on Aging Search Committee for Director of Neuroscience, NIA 2010-2011

Ad Hoc Grant Reviewer:

Netherlands Organisation for Health Research and Development, 2019

Chair, Environmental Urgan Health Research Consortium, Canadian Institutes of Health Research, 2016

Chair, Brain Canada.Chagnon Family Foundation, ADRD Prevention Initiative Review Group, 2013  
Peer Review Committee, Canadian Consortium on Neurodegeneration in Aging (CCNA); 2013-14

Alzheimer Association

National Science Foundation

Veterans Administration Merit Review Board in Neurobiology

Veterans Administration Research Advisory Group (RAG) Committee

Recombinant DNA Advisory Committee (RAC), NIH

Commonwealth of Virginia: Alzheimer's Disease and Related Disorders Research Fund

Ohio State Board of Regents: Ohio Eminent Scholars Program

Human Frontier Science Program (Strasbourg, France)

Alzheimer Disease Internatonal, multiple ad hoc; most recently 2013

Environmental Urban Health Research Consortium, Canadian Government Commitee, 2015

Commerical and Non-profit Board Memberships:

Neuroscience Advisory Board, Amgen, Inc. 2016 –present Scientific Advisor Board, Clear Thoughts Foundation (non-profit) 2015 –present

Chair, Medical Advisory Board, Cognition Therapeutics 2015 –present

Chair, Medical Advisory Board, Acumen Pharmaceuticals 2015 –present

Chair, Drug Monitoring Committee for Aducanumab; Biogen 2015 –present

EU/US CTAD Task Force Alzheimer’s Disease 2016-2017

COMMITTEES AND ADMINISTRATIVE DUTIES

University of Kentucky (1979-1990)

Utilization Review Committee, University of Kentucky Medical Center; 1979-83

Pharmacy and Therapeutics Committee, VA Medical Center, Lexington, KY; 1979-82

Committee on Aging, University of Kentucky Medical Center; 1980-82

Animal Care Subcommittee, University of Kentucky Medical Center; 1980-83

Research Budget Committee, Lexington VA Medical Center 1982-85

(Chairman, 1982-84); 1987-1990

Research and Development Committee, Lexington VA Medical Center

1980-83, 1984-85 (Chairman, 1982-83)

Student Progress and Promotions Committee, University of Kentucky College of Medicine; 1984-85 (Faculty Council Liaison)

Faculty Council (elected), University of Kentucky College of Medicine; 1984-85

Geriatric Advisory Board, Lexington VA Medical Center; 1984-1990

Quality Assurance Committee, Department of Neurology, University of Kentucky

1985-1990 (Chairman, 1985-87)

Department of Neurology Review/Chairman Search Committee (Department

Representative) 1985-87

Steering Committee, Magnetic Resonance Imaging and Spectroscopy Center,

University of Kentucky, 1985-1987

Veterans Administration Dean's Committee, Lexington VA Medical Center; 1985-1987

University Hospital Clinical Board, University of Kentucky Medical Center; 1985-1987

Chiefs of Clinical Service Committee, Univ. of Kentucky College of Medicine; 1985-1987

Chairman’s Council, University of Kentucky College of Medicine; 1985-1987

Quality Assurance Review Board, Lexington VA Medical Center, 1987-1988

Research Committee, University of Kentucky College of Medicine, 1988-1991

Research Budget Committee, Lexington VA Medical Center, 1988-1990

Faculty Council (elected), University of Kentucky College of Medicine, 1989-1991

University of Pittsburgh (1990-2008)

Alzheimer’s Disease Research Center Internal Advisory Group

University of Pittsburgh Medical Center, 1990-present

Director, Behavioral Neurology/Neuropsychiatry of Aging Training Program

University of Pittsburgh, 1990-2008

Task Force on Geriatric Programs, University of Pittsburgh Medical Center, 1991-2008

Residency Selection Committee, Department of Psychiatry, WPIC, 1990-2000

Department of Neurology Chairman Search Committee, 1992-1993

Director, Division of Geriatrics & Neuropsychiatry, Department of Psychiatry, 1992-2001

Director, Geriatric Health Services, University of Pittsburgh Medical Center, 1992-2002

Executive Committee, Center for Neurosciences/University of Pittsburgh, 1992-2008

Academic Promotions Committee, Department of Psychiatry, 1993-2001

Adult Medical Directors Committee, Western Psychiatric Institute and Clinic, 1993-1999

WPIC Research Strategic Planning Committee, 1993-2008

Functional Imaging Research Program Scientific Advisory Committee, 1994-2001

Associate Scientist, Safar Center for Resuscitation Research, 1995-2008

Executive Committee, Western Psychiatric Institute and Clinic, 1997-2008

University Council on Aging, 2000-2008

Clinical Research Steering Committee, 2000-2008

University of Pittsburgh Physicians, Council of Clinical Chairs, 2000-2008

University of Pittsburgh Physicians, Board of Directors, 2000-2008

Executive Committee, UPMC Medical Staff, 2000-2008

Executive Board, Pittsburgh Development Center, 2001-2008

Chair, Department of Neurosurgery Search Committee, University of Pittsburgh, 2006-2007

Internal Advisory Board, University of Pittsburgh Sleep Medicine Institute, 2008

University of Virginia (2008-2014)

President's Cabinet

Medical Center Operating Board (MCOB) Member (ex officio as VP/Dean)

MCOB Quality Subcommittee Co-Chair

Physician in Chief, University of Virginia Health System

University Physician’s Group (UPG) (Medical Faculty Practice Plan)

Board of Directors

Executive Committee

Finance Committee

Nominating Committee

Ivy Foundation Board of Directors

UVA Health Foundation Board of Directors

Culpeper Regional Hospital Board of Trustees

Health System Clinical Strategy Group Co-Chair

Strategic Planning Executive Committee

Clinical Staff Executive Committee

Medical Alumni Association Board of Directors

Medical School Foundation Board of Trustees

Virginia Urologic Foundation (VUF) Board of Directors

Director, UVA Alzheimer’s Disease Research Center

University of Florida (2015- present)

Executive Committee, McKnight Brain Institute

Luttge Lectureship Selection Committee, McKnight Brain Institute

Senior Vice President for Health Affairs Deans and Directors Research Committee, College of Medicine

Executive Committee, Insitute on Aging and Pepper Center, University of Florida

Steering Committee, Neuromedicine Interdisciplinary Clinical and Academic Program [NICAP]

Advisory Group, Sports Concussion and Traumatic Brain Injury

Internal Advisory Board, Movement Disorders T32

Steering Committee, UF Human Subjects Research Task Force

Brain Rehabilitation Research Program Scientific Advisor (Gainesville VAMC) (September 16, 2016)

External Advisory Board, USF proposed study: Preventing AD by Cognitive Training (PACT), February 2017

External Advisory Committee, West Virginia Clinical and Translational Science Insitute (Chair, 2012-2017; Member, 2017-present

Blood Products Advisory Committee, US Food and Drug Administration (FDA), April 4, 2017.

Aging Related Memory Loss Program Executive Committee, McKnight Brain Institute, University of Florida (May 2017-present)

Faculty Search Committee, Department of Psychiatry, (July 31, 2017-present)

Clinical Trials on Alzheimer’s Disease Scientific Committee, (December 20, 2017 – present)

America’s Top Doctors (Continuous annually since 2000 – present)

CLINICAL AND RESEARCH RELATED ACTIVITIES

University of Kentucky 1979-90:

Gordon Conference on Biology of Aging (Invited Participant), Ventura, California, 1982

Board of Directors, Lexington Bluegrass Alzheimer's Disease and Related Disorders

Association (ADRDA), 1984-1990 (Founding Member)

Invited Examiner, Part II (oral examinations), American Board of Psychiatry and

Neurology, 1981-present

Medical Review Board, Division of Driver Licensing, Commonwealth of Kentucky, 1985-1990

Professional Education Committee, Kentucky Organ Donors Association, 1987-1990

Director, Memory Disorders Clinic, University of Kentucky Medical Center 1984-1990

Co-Director, Alzheimer's Disease Research Center, University of Kentucky, 1985-1990

Governor's Task Force on Alzheimer's Disease, State of Ohio (Vice Chair) 1986-1992

University of Pittsburgh 1990-2008

Co-Director, Alzheimer's Disease Research Center, 1990-1994

Director, Memory Disorders Clinic, 1990-2008

Invited Participant, FASEB Meeting on Neurobiology of Brain Injury Copper Mountain, CO, June 1992

Chairman, Professional Advisory Board, Greater Pittsburgh Chapter Alzheimer’s Association, 1992-present

Member, External Advisory Committee, University of Rochester Alzheimer’s Disease Center, 1993-1998

Director, Alzheimer's Disease Research Center University of Pittsburgh, 1994-2008

Chairman, External Advisory Committee, University of Indiana Alzheimer’s Disease Center, 1995-present

Chairman, External Advisory Committee, Emory University Alzheimer’s Disease Center, 1995-2000

Member, External Advisory Committee, Alzheimer’s Disease Research Center, University of Alabama at Birmingham, 1999-2004

Member, External Advisory Board, Alzheimer’s Disease Research Center

University of Texas Medical School-Dallas, 1991-1998

Member, Executive Committee, National Alzheimer’s Coordinating Center [elected], 1999-present, Chairman, 2001-2003

Member, County of Allegheny, Division of Forensic Neuropathology Advisory Board, 2002-present

Director and Committee Organizer, Barcelona-Pittsburgh Conference “Dementia Today,” 2000, 2002, 2004,2006

Member, Academic Advisory Board, Pfizer Biology Psychiatry Postdoctoral Fellowship Program, 1999-2004

(Chair, 2003-2004)

Chairman, External Advisory Committee, University of California-Davis Alzheimer’s

Disease Center, 2005-present

Chairman, External Advisory Committee, Harvard / Massachusetts General Hospital Alzheimer’s

Disease Center, 2006-2011

Member, Board of Directors, American Society for Experimental NeuroTherapeutics, 2005-present

Member, Alzheimer’s Disease Cooperative Study Internal Ethics Committee, 2007-2018

Member, External Advisory Board, Hellman Center, University of California San Francisco, 2009-2011

Member, External Advisory Board, Sanders-Brown Center on Aging, University of Kentucky, 2010-2011

INVITED LECTURES: 2005-present

Macy Conference, The Convergence of Neuroscience, Behavioral Science, Neurology and Psychiatry, Scottsdale, AZ, January, 2005.

7th Annual Meeting of the American Society for Experimental NeuroTherapeutics, Washington, DC, March, 2005.

Annual Mild Cognitive Impairment Symposium, Miami Beach, FL, March, 2005.

University of Michigan Grand Rounds, Ann Arbor, MI, April, 2005.

University of Arkansas for Medical Sciences Conference on Complementary and Alternative Therapies, Little Rock, AR, April, 2005.

Neurology Grand Rounds, Robert Wood Johnson Medical School, New Brunswick, NJ, May, 2005.

Smithsonian Mini-Med School: Aging Under the Microscope, Washington, DC, May, 2005.

Society of Biological Psychiatry Annual Meeting, Atlanta, GA, May, 2005.

International Conference on Prevention of Dementia, Washington, DC, June, 2005.

21st International Conference of Alzheimer’s Disease International, Istanbul, Turkey, September 2005.

10th Annual Graylyn Conference on Women’s Cognitive Health: Fostering a Dialogue that Leads to Cutting Edge Translational Research, Winston-Salem, NC, October, 2005.

CNS Disease Congress: Novel Advances in Discovery, Therapeutics & Clinical Trials, Boston, MA, March, 2006.

Contemporary Clinical Medicine: Great Teacher’s Lecture, National Institute of Health Clinical Center Grant Rounds, Bethesda, MD, April, 2006.

9th International Geneva/Springfield Symposium on Advances in Alzheimer Therapy, Geneva, Switzerland, April, 2006.

Southern Illinois Center for Alzheimer Disease and Related Disorders, Visiting Professorship, Springfield, IL, April, 2006.

8th Annual Future Leaders in Psychiatry Meeting, Miami Beach, FL, May, 2006.

Massachusetts General Hospital Grand Rounds, Boston, MA, June, 2006.

10th International Conference on Alzheimer’s Disease and Related Disorders, Madrid, Spain, July, 2006.

Barcelona-Pittsburgh Conference, Dementia Today, Barcelona, Spain, October, 2006.

5th Annual Dementia Congress, Washington, DC, November, 2006.

Merck Research Laboratories Guest Lecturer, West Point, PA, November, 2006.

The Southern Clinical Neurological Society, Aruba, Dutch Caribbean, January, 2007.

American Association for Geriatric Psychiatry, New Orleans, LA, March, 2007.

University of Cincinnati Grand Rounds, March, 2007.

Albert Einstein Grand Rounds, New York, NY, May, 2007.

International Conference on Prevention of Dementia, Washington, DC, June, 2007.

Ohio State Lecture, Columbus, OH, June, 2007.

Erice International Seminars on Planetary Emergencies, Sicily, Italy, August, 2007.

University of Florida, Department of Psychiatry Grand Rounds, September, 2007.

University of Alabama Birmingham, Lindy E. Harrell Lecture in Alzheimer’s Disease, September, 2007.

University of North Texas Health Sciences Center at Fort Worth Distinguished Speaker Series, October, 2007.

Korean Neurologic Association, Seoul, Korea, October, 2007.

Neurology Grand Rounds, Penn State Milton S. Hershey Medical Center, Hershey, PA, November, 2007.

Grand Rounds, Mount Sinai Hospital, Department of Neurology, New York, NY, November, 2007.

Brain and Behavior: Advances in Neuroimaging, 12th Robert G. Heath, MD Lecture, Tulane University School of Medicine, New Orleans, LA, December, 2007.

10th Annual Meeting, American Society for Experimental NeuroTherapeutics (ASENT)., Arlington, VA, March, 2008.

VIth Annual Barcelona-Pittsburgh Dementia Conference, Barcelona, Spain, May, 2008.

Cleveland Clinic Visiting Professor, Cleveland, OH, October 12-13, 2008.

National Institute of Neurological Disorders and Stroke, Dementia of Alzheimer’s Disease and Epilepsy, Rockville, MD, October 15-17, 2008.

University of California, Irvine Institute for Brain Aging and Dementia, Irvine, CA, October 23-24, 2008.

Johns-Wooten Symposium, Charlottesville, VA, "Treatment of Alzheimer's Disease" Address - Wooten Neurological Symposium, November 8, 2008.

University of Michigan, MADRC Community Appreciation Conference, Ann Arbor, MI, November 13-14, 2008.

Alzheimer’s Association, New Directions in Dementia, Rancho Mirage, CA, November 20-22, 2008.

Johns-Wooten Symposium, Charlottesville, VA "Treatment of Alzheimer's Disease" Address - Wooten Neurological Symposium, November 8, 2008.

Los Angeles Alzheimer's Association/UCLA ADRC "Update on Alzheimer's Disease," Palm Springs, CA, November 21, 2008.

The Role of Neuroimaging in Clinical Trials and Drug Discovery, ASENT Annual Meeting, Washington, DC, March 7, 2009.

Meeting Chair, Prevalence & Trends of AD & Other Age-Related Cognitive Impairment in US, NIA Meeting, Washington, DC, March 20, 2009.

The Ginkgo Evaluation of Memory (GEM) Study Miami MCI Annual Meeting, Miami Beach, FL, March 28, 2009.

"What's on Your T-shirt? Empowering Individual and Team Success in Clinical and Translational Research," Association for Clinical Research Training and the CTSA Education Consortium, Washington, DC, [Keynote speaker] April 14, 2009.

“Frontiers in Medicine: Interventions for Alzheimer's Disease," Grand Rounds, Texas A&M University School of Medicine, College Station, TX, April 23, 2009.

"Neurochemistry and Neuropathology of MCI," in AAN Course: MCI: Implications for Clinicians, Seattle, WA, April 27, 2009

“Biomarkers of Alzheimer's Disease,” UCSF/Northern California Alzheimer's Association, San Francisco, CA, June 3, 2009.

“Advances in Imaging and Improvements to Treatment Outcomes,” University of Virginia/Alzheimer's Association Annual Education Meeting, Charlottesville, VA, June 20, 2009.

“What Does the Brain Have to Do with Behavior? A Personal Journey,” Summer Medical and Dental Education Program, University of Virginia School of Medicine, Charlottesville, VA, July 7, 2009.

“Biomarkers and Lab Correlates,” NINDS Clinical Trials Methods Course, Vail, CO, August 17, 2009

“Frontiers in Alzheimer’s Disease Clinical Trials” NINDS Clinical Trials Methods Course, Vail, CO, August 17, 2009.

"Can Dementia be Prevented?” International Psychogeriatrics Association (IPA), Montreal, Canada, September 2, 2009.

“Debate: New Research Criteria for Dementia Should Be Adopted,” Canadian Conference on Dementia, Toronto, Canada, October 2, 2009.

“Amyloid Imaging with Positron Emission Tomography,” Canadian Conference on Dementia, Toronto, Canada, October 2, 2009.

“The GEM Study: Lessons Learned” Alzheimer’s Association Research Roundtable, Washington, DC, October 19, 2010

Miami Early Dementia Conference, Miami, FL, March 12, 2010.

“Alzheimer’s Disease: Progress, Translational Research, and the Future.” Mayo Clinic Neurology Grand Rounds, Rochester, MN, March 19, 2010.

“Current and Future Strategies in Alzheimer’s Disease,” Florida Hospital Distinguished Lectureship, Orlando, FL, April 21, 2010.

"Twenty Years of Alzheimer’s' Research: Past, Present & Future" Alzheimer’s Association, Denver, CO, May 3, 2010

“The Role of Amyloid and Tau Protein in AD.” 7th Barcelona/Pittsburgh Biennial Conference – Dementia Today, May 12-14, 2010.

“Extending the Meaning of Alzheimer’s Disease: New Diagnostic Criteria, New Biomarkers, New Understanding,” University of California San Francisco, August 25, 2010.

“Successful Leadership,” NINDS/ANA Career Development, San Francisco, CA, September 11, 2010.

"Translational Research Advances in Alzheimer's Disease" Neuroscience Seminar, University of “Louisville Seminar Series, September 22, 2010.

“Progress in Alzheimer's Disease: New diagnostic criteria, new biomarkers, new dchallenges” Grand Rounds, Department of Psychiatry, Dartmouth School of Medicine, Lebanon, New Hampshire, Sept. 27, 2010.

”Alzheimer's Disease 2010: What Have We Learned? Where Are We Going?” Central and Western Virginia Alzheimer’s Association, Roanoke, VA, November 4, 2010.

“Progress in Alzheimer’s Disease: New Diagnostic Criteria, New Biomarkers, New Challenges” Robert G. Heath Invited Lecture, Tulane University School of Medicine, New Orleans, LA, December 3, 2010.

“Ethics in Alzheimer’s Disease: New diagnostic criteria, new biomarkers, new challenges”. National Press Foundation, Washington, DC December 7, 2010.

“Long Term Consequences of Traumatic Brain Injury.” Grand Rounds, Fort Detrick Army Garrison,  
Frederick, MD, January 20, 2011.

“Alzheimer’s Disease: From Bench to Bedside and Hopes from Translational Discoveries.” University of South Florida, Grozmart Family Lecture, Tampa, FL, March 25, 2011.

“Neuroimaging in Alzheimer’s Disease: From ‘Rule Outs’ to Preclinical Diagnosis. Virginia Neurological Society, February 2, 2013.

“Technological Advances and Progress in Dementia Research.” Fritz Dreifuss Memorial Lecture, Virginia Neurological Society, February 2, 2013.

Commencement Address, University of Florida College of Medicine, Gainesville, FL May 12, 2013

“Alzheimer’s Disease: The State of the State” Alzheimer’s Disease International Conference. Boston, MA, July 13, 2013

“Amyloid Imaging in Clinical Practice” (Opening Plenary Lecture) Alzheimer’s Disease International Conference, Boston, MA, July 14, 2013

“The Ginkgo Evaluation of Memory Study: A Model for AD Prevention Trials.” University of Minnesota and Minneapolis VA Medical Center September 23, 2013

“Alzheimer’s Disease: Past, Present and Future” Vanderbilt University Department of Neurology Grand Rounds, September 26, 2013

“Alzheimer’s Disease: A Geriatrics Perspective” Meharry School of Medicine Meharry Consortium Geriatric Education Center Geriatric Update, September 27, 2013

“The History and Future of Alzheimer’s Disease.” Alzheimer’s Association, Nashville, TN, September 27, 2013

“Early and preclinical diagnosis of Alzheimer’s Disease: Practical and Biomarker Considerations.” American Neurological Association New Orleans, LA, October 16, 2013

“Summary of 2013 Botanical Research Expert Panel Discussion.” Meeting of the NIH Botanical Research Centers Directors, Baton Rouge, LA, November 5, 2013

“APOE Genotype and Sports Concussion: Research and Application.” Safe Kids Foundation, Washington, DC, November 25 2013

“Current and Future Therapies in Alzheimer’s Disease.” Alzheimer’s Disease International Second Annual Arab-North Africa Meeting. Dubai, United Arab Emirates (UAE), (invited) December 8, 2013

“Alzheimer’s Disease.” Neuroscience Caucus, United States Congress, Washington, DC, February 26, 2014

“The Brain Fights Back: Neuroplasticity in Health and Disease.” Dr.  William G. Luttge Lectureship in Neuroscience. Sponsored by the McKnight Brain Research Foundation. University of Florida College of Medicine, March 10, 2014

“Alzheimer's Disease: Translational Research and Patient Centered Care.” Department of Psychiatry and Behavioral Sciences, Division of Geriatric Psychiatry and Neuropsychiatry, The Johns Hopkins School of Medicine, March 17, 2014

“Translational Alzheimer’s Disease: from the Bench to Public Health Policy.” Center for Neurodegenerative Disease Research, University of Pennsylvania Perelman School of Medicine, March 27, 2014

“Translational Alzheimer's Disease: from the Bench to Public Health Policy.” UC-Irvine Center for the Neurobiology of Learning and Memory (UC-MIND). University of California- Irvine, April 10, 2014

 “Alzheimer's Disease: Current and Future Therapies.” Alzheimer’s Disease International,San Juan, Puerto   
    Rico May 2-4, 2014

"Dietary Supplements, Caffeine and Cognitive Aging.” Institute of Medicine Workshop, Institute of Medicine, Irvine, CA, June 8-10, 2014

“LongTerm Sequelae of TBI: Searching for a Denominator.” National Neurotrauma Society, Neurotrauma 2014 Conference, San Francisco, CA, June 29-July 2, 2014.

 “Update in Alzheimer's Disease.” Winchester Hospital Grand Rounds January 28, 2015.

“Alzheimer’s Disease as a Continuum.” Center for Investigative Medicine, Center for Neurosciences, Feinstein Institute for Medical Research, LIJ Northshore, New York March 3, 2015.

“Strange Bedfellows: Traumatic Brain Injury and Alzheimer’s Disease.” 2015 National Capital Area TBI Research Symposium, NIH Natcher Conference Center, Bethesda, MD, March 9, 2015.

“Time, Money, and Neurobiology: The Conundrum of Developing Therapies for Alzheimer's Disease.”  University of Michigan Alzheimer’s Disease Research Center, Ann Arbor, MI, March 11, 2015.

“Gray Zones in the Gray Generation: Assessment of Cognition in Late Life.” American Academy of Neurology Plenary Session on Contemporary Clinical Issues, April 22, 2015

“Putting It All Together: The Landscape of Dementing Illness.” American Academy of Neurology Sports Concussion Conference, Denver, CO, July 28, 2015.

“Injury Cascades in TBI-Related Neurodegeneration.” U.S. Department of Veterans Affairs Traumatic Brain Injury State-of-the-Art Conference, Washington, DC, August 24-25, 2015.

“Update on Alzheimer’s Disease.” Rotary Club of Gainesville, FL, September 15, 2015

“Understanding Alzheimer’s Symptoms and Treatments.” The Villages, Ocala, FL, October 22, 2015

“Chronic Traumatic Encephalopathy: An old problem with new concerns.” Gainesville Rotary Club, Oct 4 2015

“Update on Alzheimer’s Disease,” Annual Oak Hammock Living Facility, in conjunction with Walk to END Alzheimer's, 2015.

“Alzheimer’s Therapeutic Update” UF Healthy Advantage Seminar, The Villages at Ocala, Ocala, FL, 2015

“Traumatic Brain Injury and its Relationship to Neurodegenerative Brain Disease,” Rotary Club of Gainesville, Florida, Wyndam Garden, 2016.

“Aging, Brain Trauma and Neurodegenerative Disease,” University of Miami Miller School of Medicine, Miami Beach, FL, March 31, 2017.

“Alzheimer’s Disease: Scientific Progress and an Uncertain Future.” Psychiatry Grant Rounds, Medical College of Georgia, Augusta University, May 11, 2017.

“Clinical Trials and Experimental Therapeutic Approaches in Alzheimer’s Diseaseit.” Harvard Medical School Dementia Update, Boston, MA, June 7, 2017.

“An Introduction to Clinical Studies Design”. Biomedical Graduate Student Course, July 27, 2017

“What’s on your T-Shirt? Graduate Studies and Balance in the Era of Teamwork, Interdisciplinary Research and Big Data,” Biomedical Graduate Research Colloquium, University of Central Florida College of Medicine, Orlando, Florida, August 17, 2017.

“Long-Term Sequelae of Repetitive Head Injury.” Florida Society for Neurology, Orlando, Florida, September 8, 2017.

“Chronic Traumatic Encephalopathy.” Florida Society for Neurology, Orlando, Florida, September 10, 2017

“Understanding CTE: Pathology, Clinical, Controversy and Future Directions” American Association for Physical Medicine and Rehabilitation Ann. Meeting, October 13, 2017.

“Alzheimer’s Disease: Scientific Progress and an Uncertain Future.” Retired Professors of the University of Florida, February 21, 2018.

“Repetitive Head Trauma and Neurodegenerative Disease: Everything Old is New Again.” Stanford Alzheimer Disease Center and Pacific Udall Center, Distinguished Speaker Series, May 14, 2018.

“Alzheimer’s & Dementia Update.” University of Florida, Emerson Alumni Hall Grand Guard presentation, November 16, 2018.

“Early Detection of Alzheimer’s: can we make a difference?” University of South Alabama Sixth Annual

Neuroscience Symposium, March 30, 2019.

“Traumatic Brain Injury and the healing brain: can we intervene?” University of South Alabama Sixth

Annual Neuroscience Symposirum, March 31, 2019.

“CTE: history, questions and future directions.” National Neurotrauma Society meeting, July 2, 2019.

TEACHING EXPERIENCE AND RESPONSIBILITIES

University of Kentucky

Medical School

Lecturer, ANA 5l6 (Neuroanatomy, 1st year) [Cortical anatomy, connectivity]

Lecturer, NEU 82l (Clinical Neurosciences, 2nd year) [Behavioral Neurology, Memory & Dementia,

Cortical Function, Headache]

NEU 835, 3rd year clerkship for medical students

Graduate School

NEU 851, Research Elective in Neurology (Course Director)

CON 845, 4th year Neurology elective for medical students

CON 8l8, lst year medical students (Clinical-Anatomic Correlation)

Masters and Doctoral Committees, Departments of Anatomy and Psychology

Lecturer, PGY 630 (Biology of Aging)

Lecturer, NEU 605 (Graduate Studies in Neuroscience)

Neurology Residency Program

Residency Program Director, June 1985-April 1987

Consultation & ward attending (adult and pediatric neurology) rotations, 1979 - 1990

Special consultations: Disorders of higher cortical function, 1979 - 1990

University of Pittsburgh

Medical School

Lecturer, Introduction to Medicine (Dementia and Behavioral Disorders)

Lecturer, Small Group Leader, Problem based Learning Group Leader, Integrated Neuroscience Course

Graduate School

Lecturer, Biological Bases of Neuropsychiatry, 1993, 1994, 1995, 1996, 1997, 1999, 2000, 2002, 2004, 2006, 2008

Cellular and Molecular Bases of Neuroscience: Molecular and Neuropathologic

Mechanisms in Alzheimer’s Disease (1998)

Doctoral Students, Department of Neurobiology

Peter Miller, M.D., Ph.D. (Ph.D. received 1993)

Kevin Taffe 1995-1999 (M.D.-Ph.D. Program)

Mark O’Malley 1996-1999

Barbara Isanski 2005-2008

Postdoctoral Fellows: Scot D. Styren, Ph.D.(1994-1997)

James Goss, Ph.D. (1993-1996)

John Ciallella, Ph.D. (1997-2000)

Hiroko Dodge, Ph.D. (1999-2004)

Eric Abrahamson, Ph.D. (2001-2007)

Milos Ikonomovic, M.D. (2002-2006)

Clinical Postdoctoral Fellows: David Martin, M.D. (1990-1991)

Mahmood Usman, M.D. (1991-1992)

Karyn Catt, M.D. (1996-1998)

Dissertation Committees:

1998-2000 Faridis Serrano Department of Neuroscience

University of Pittsburgh

1998-2000 Xiao Yan Wong Department of Human Genetics,

Graduate School of Public Health

1998-2000 Peijun Chen, M.D., MPH Department of Epidemiology,

Graduate School of Public Health

1999-2001 Shannon Lindsay Department of Human Genetics,

Graduate School of Public Health

1999-2002 Erin Luedecking Department of Human Genetics,

Graduate School of Public Health

2000-2003 Purnima Desai Department of Human Genetics,

Graduate School of Public Health

2007-2008 Jessica Figgins Department of Human Genetics

Graduate School of Public Health

2016-current Breton Asken Department of Clinical and Health Psychology

College of Public Health and Health Professions 2016-current Hunter Futch M.D.-Ph.D. Program

College of Medicine

2017-current Diedre O’Shea Department of Clinical and Health Psychology

College of Public Health and Health Professions

NIH K-Award Mentor or Co-Mentor Current Position

1999-2003 Carolyn Meltzer, MD, PhD Professor and Chair

Department of Radiology,

Emory University School of Medicine

2002-2005 James Gebel, MD Associate Professor and Chief, Stroke

Institute, University of Louisville School of

Medicine

2006-2008 Wes Farris, MD (Former) Assistant Professor of Neurology,

University of Pittsburgh

2006-2008 David Wolk, MD Associate Professor of Neurology, University of

Pennsylvania

2016 Adam Woods, PhD Assistant Professor, Department of Clinical and

Health Psychology

College of Public Health and Health Professions

University of Florida

Neurology Residency Program

Special consultations: Disorders of higher cortical function & neuropsychiatry, 1990-2008

Resident’s Conferences: Limbic system, Mental Status Exam, Dementia, Aphasia

Psychiatry Residency Program (University of Pittsburgh, 1990-2008)

Geriatric Psychiatry Inpatient Unit, Attending Consultant

Seminars and Case Presentations in behavioral neurology and neuropsychiatry

University of Virginia

Lecturer, Department of Biology, Biology 4040 - Laboratory in Cell Biology, Spring 2010, 2011, 2012

Seminars and Case Presentations in behavioral neurology and neuropsychiatry

Alzheimer’s Disease lecture, First Year Medical Students, 2010

Grand Rounds: Neurology, Family Medicine, Internal Medicine, Biomedical Engineering, 2010, 2011, 2012

University of Florida

Graduate School

Lecturer, GMS5905 Biomedical Science Special Topics “Introduction to Clinical Trials”

Lecturer, CLP7934 Fundamentals of Positron Emission Scanning in Neurology

Lecturer, GMS7980 Doctoral Research

Lecturer, CLP7980 Doctoral Research (Neuroimaging)

Lecturer, PAS5020 Introduction to Medicine II (2 lectures on dementia)

**Current Research Support**

ACTIVE

P50 AG047266-01A1 Golde, PI; DeKosky, Assoc.Dir. 08/15/2015-05/31/2020 1.20 calendar

NIH/NIA $2,971,441

The major goals of the ADRC are to conduct and coordinate clinical, basic, and translational research into AD and related disorders; provide outreach and education to the medical and lay communities, and to provide access to research and clinical assessment to underserved populations, especially Hispanic populations, in south Florida.

529-13-0046-00001 PI: Shenkman 03/01/2015-08/31/2019 2.40 calendar

Texas Health & Human Serv.-HRSA $180,664.05

Texas External Quality Review Organization Vendor and Quality Vendor

The major goals of this project are to assess a program in which dual eligible (Medicare and Medicaid) patients are provided with resources to improve their health and fitness using flexible methods and objective follow-up of health and health care resource utilization.

T32 NS082168 MPI  Bowers, Vaillancourt 05/01/2015 – 04/30/2020

NIH/NINDS                      DeKosky, Member, Internal Advisory Committee)

   Total:   $971,680

Interdisciplinary Training in Movement Disorders and Neurorestoration.

This T32 will provide predoctoral students cross disciplinary training in molecular and cellular biology, translational neuroscience and physiology, and human motor and cognitive neuroscience with a central focus on movement disorders.  The goal is to train a new cadre of researchers in movement disorders.

1R01AG054077-01 Woods (PI) 09/01/2016-4/30/2021 0.6 calendar

NIH / NIA $1,154,713 Current Year’s Award

Augmenting Cognitive Training in Older Adults – The ACT Grant

Goal: Enroll 360 healthy older adults between the ages of 65-89 into a study investigating the additive benefit of tDCS for cognitive training outcomes. This overarching goal affords two specific aims and one exploratory aim.

R21 AG054876, Williamson (PI) 09/01/2017-08/31/2019 0.6 Calendar

NIH / NIA $250,000 Total Directs of the Award

Treatment of mild cognitive impairment with transcutaneous vagal nerve stimulation

**PENDING**

NIH R01

Objective neurophysiological assessment of walking-related challenge and fall risk

* Proposed period: 07/01/2018 - 06/30/2023
* Proposed direct costs: $1.25 million
* Co-I effort:
  + DeKosky – 15%
  + Porges – 15%
  + Datta – 10%

**Recently Completed Research Support**

6AZ05 PI: Cottler; DeKosky, CoI 02/23/2016-01/31/2018 0.03 calendar

FL Dept. of Health Ed & Ethel Moore Alzheimer’s $240,153

Linking Older Adults from the Community in Florida to Memory Screening and Related Health Research

This project determines best ways to screen and direct subjects to a Memory Clinic and research studies.

Role: Co-Investigator

1P01 AG025204 (Klunk, PI) 6/15/11-4/30/15

NIH

*“In Vivo* PIB PET Amyloid Imaging: Normals, MCI & Dementia”

Role: Site PI

The aim of this proposal is to define amyloid deposition in early (and pre-clinical) phases of AD and assess PIB as a surrogate marker of efficacy for anti-amyloid therapies.

Project #4: Modulators of Cognitive Transition $ 9,511

From Normal to MCI (Co-Investigator)

Project #5: Modulators of Cognitive Transition $ 5,156

From MCI to AD (Co-Investigator

Project #6: Quantitative Neuropathological Correlates of $ 9,511

*In Vivo* PiB Retention (Co-Investigator)

5 P50 AG005133 (Lopez, PI) 4/01/10-3/31/15

NIH

“ADRC Core B: UVA Satellite Clinic” Role: Site PI

The Satellite Clinic will perform clinical and research evaluations and study entry & annual follow up with rural African American subjects with dementia & normal cognition in the Satellite Clinic at the University of Virginia.

2 P01 AG14449 (Mufson, PI) 9/01/07-3/31/13

NIA

“Neurobiology and Cognitive Impairment of the Elderly”

This proposal seeks to determine what specific system impairment is reasonable for the earliest manifestations

Site PI University of Virginia School of Medicine

\*NIA AG05133

Alzheimer Disease Research Center (O. Lopez, PI) 4/1/10-3/31/15 $ 19,200

UVA Satellite Clinic (Leader)

### Principal Investigator

\*NIA AG05133. ADRC PI 1994-2008

Alzheimer Disease Research Center 5/1/05-8/31/08 $ 1,443,367

[Administrative Core Director, Clinical Core Director]

ADRC—Imaging Core Supplement 5/1/05-8/31/08 $ 100,000

ADRC—Data Management Supplement 5/1/05-8/31/08 $ 100,000

\*NCCAM/NIA AT00162

Ginkgo Biloba Prevention Trial in Older Individuals 9/30/99-7/31/10 $ 3,612,900

\*NIH AG025204

*In Vivo* PIB PET Amyloid Imaging: Normals, 5/15/05-8/31/08 $ 731,123

MCI & Dementia

SAP 4100027294 (Commonwealth of Pennsylvania Grant)

Detection, Diagnosis and Intervention in Dementia 6/1/05-8/31/08 $ 1,060,512

### Project Principal Investigator

\*NIH AG14449 (E. Mufson, PI; ST DeKosky, Project Leader)

Neurobiology of Mild Cognitive Impairment in the Elderly 4/1/07-3/31/12 $ 303,366

Project: NIH Synaptic, cholinergic and amyloid

alterations in mild cognitive impairment (Pitt DC’s)

\*

NIH NS30318 (E. Dixon, PI)

Brain Trauma Research Center 5/11/00-6/30/11 $ 102,152

Project: Traumatic Brain Injury, Amyloid Metabolism

and Statin Therapy

\*NIH AG025204 (W. Klunk, PI)

*In Vivo* PIB PET Amyloid Imaging: Normals, 9/1/08-4/30/10 $ 731,123

MCI & Dementia

### Co-Investigator

\*NIH AG023651

Mild Cognitive Impairment: A Prospective Community Study

(M. Ganguli, PI) 9/1/05-8/31/10 $ 29,166

Other Prior Research Funding (University of Pittsburgh and University of Kentucky): Available upon request.

PUBLICATIONS

DeKosky, S.T., Heilman, K.M., Bowers, D. and Valenstein, E.: Recognition and discrimination of emotional faces and pictures. Brain and Language 9:206-214, 1980.

DeKosky, S.T., and Bass, N.H.: Aging, senile dementia, and the intralaminar microchemistry of cerebral cortex. Neurology 32:1227-1233, 1982.

DeKosky, S.T., Nonneman, A.J., and Scheff, S.W.: Morphologic and behavioral effects of perinatal glucocorticoid administration. Physiology and Behavior 29:895-900, 1982.

Scheff, S.W., and DeKosky, S.T.: Steroid suppression of axon sprouting in the hippocampal dentate gyrus of the adult rat: Dose-response relationship. Experimental Neurology 82:183-191, 1983.

DeKosky, S.T., Scheff, S.W., and Cotman, C.W.: Elevated corticosterone levels: A possible cause of reduced axon sprouting in aged animals. Neuroendocrinology, 38:33-38, 1984.

Scheff, S.W., Anderson, K.J., and DeKosky, S.T.: Strain comparison of synaptic density in hippocampal CA1 of aged rats. Neurobiology of Aging, 6:29-34, 1985.

DeKosky, S.T., Scheff, S.W., and Markesbery, W.R.: Laminar organization of cholinergic circuits in human frontal cortex in Alzheimer's Disease and aging. Neurology, 35:1425-1431, 1985.

DeKosky, S.T., Scheff, S.W., Hackney, C.G., and Bass, N.H. Strain differences and laminar localization of structural neurochemical changes in aging rat. Neurobiology of Aging, 6:277-286, 1985.

Vicedomini, J.P., Nonneman, A.J., DeKosky, S.T., and Scheff, S.W. Perinatal glucocorticoids alter dentate gyrus electrophysiology. Brain Research Bulletin, 15:111-116, 1985.

Vicedomini, J.P., Nonneman, A.J., DeKosky, S.T., and Scheff, S.W. Perinatal glucocorticoids disrupt learning: A sexually dimorphic response. Physiology and Behavior, 36:145-149, 1986.

Slevin, J.T., and DeKosky, S.T.: Stability of sialogangliosides in kindled hippocampus. Experimental Neurology, 91:208-211, 1986.

Anderson, K.J., Scheff, S. W., and DeKosky, S.T. Reactive synaptogenesis in hippocampal area CAl of aged and young adult rats. J. Comparative Neurology, 252:374-384, 1986.

Morse, J., Scheff, S.W., and DeKosky, S.T. Gonadal steroids influence axon sprouting in the

hippocampal dentate gyrus: A sexually dimorphic response. Experimental Neurology, 94:649-658,

1986.

Slevin, J.T., Sparks, D.L., Dempsey, R.J., Davis, D.G., Hunsaker, J.C., and DeKosky, S.T. Altered striatal dopaminergic metabolism 36 hours after unilateral trauma to the human mesencephalon. Neurology, 37:322-325, 1987.

Shih, W.J., Markesbery, W.R., Clark, D.B., Goldstein, S., Domstad, P. Coupal, J.J., Kung, H. DeKosky, S.T. and DeLand, F. I-l23 HIPDM brain imaging findings in sub-acute spongiform encephalopathy (Creutzfeld-Jakob disease). J. Nuclear Medicine 28:1484-1487, 1987.

Scheff, S.W., Morse, J.K., and DeKosky, S.T. Hydrocortisone differentially alters lesion-induced axon sprouting in male and female rats. Experimental Neurology 100:237-241, 1988.

Scheff, S.W., Morse, J.K., and DeKosky, S.T. Neurotrophic effects of steroids on lesion-induced growth in the hippocampus. I. The asteroidal condition. Brain Research 457:246-250, 1988.

Sparks, D.L., DeKosky, S.T., and Markesbery, W.R. Alzheimer's Disease: Aminergic-cholinergic alterations in hypothalamus. Archives of Neurology 45:994-999, 1988.

DeKosky, S.T., Scheff, S.W., and Hackney, C.G.: Acetylcholine synthesis in human CSF: Implications for study of central cholinergic metabolism. Neurochemical Research 14: 191-196, 1989.

Harbaugh, R.E., Reeder, T.M., Senter, H.J., Knopman, D.S., Baskin, D.S., Pirozzolo, F., Chui, H.C., Shetter, A.G, Bakay, R.A., Leblanc, R., Watson, R.T., DeKosky, S.T., Read, S.L., Schmitt, F.A., and Johnston, J.T. Intracerebroventricular bethanechol chloride infusion in Alzheimer's disease: Results of a collaborative, double-blind study. Journal of Neurosurgery 71:481-486, 1989.

Scheff, S.W., and DeKosky, S.T. Glucocorticoid suppression of lesion-induced synaptogenesis: Effect of temporal manipulation of steroid treatment. Experimental Neurology 105:260-264, 1989.

Schmitt, F.A., Ranseen, J.D., and DeKosky, S.T.: Cognitive mental status examinations. Clinics in Geriatric Medicine 5:545-564, 1989.

Scheff, S.W., DeKosky, S.T., and Price, D.A.: Quantitative assessment of cortical synaptic density in Alzheimer’s Disease. Neurobiology of Aging 11:29-37, 1990.

DeKosky, S.T., Shih, W-J., Schmitt, F.A., Coupal, J., and Kirkpatrick, C. Assessing utility of single photon emission computerized tomography (SPECT) scan in Alzheimer's disease: Correlation with cognitive severity. Alzheimer’s Disease and Related Disorders: An International Journal 4:14-23, 1990.

DeKosky, S.T. Biochemical and neuropathological aspects of Alzheimer’s disease. Current Opinion in Neurology and Neurosurgery (A. Kertesz, Volume Editor) 3:84-89, 1990.

DeKosky, S.T. and Scheff, S.W. Synapse loss in frontal cortex biopsies in Alzheimer’s disease: Correlation with cognitive severity. Annals of Neurology 27:457-464, 1990.

Shih, W-J, DeKosky, S.T., Coupal, J.J., Simmons, G., Pulmano, C., Kung, H.F., Ryo, U.Y., and Clark, D.B. I-123 Hydroxyiodobenzyl Propanediamine (HIPDM) cerebral blood flow imaging demonstrating transtentorial diaschisis. Clinical Nuclear Medicine 15:623-629, 1990.

Scheff, S.W., Scott, S.A., and DeKosky, S.T. Quantitation of synaptic density in the septal nuclei of young and aged Fischer 344 rats. Neurobiology of Aging 12:3-12, l991.

DeKosky, S.T. Review of *Subcortical Dementia* (J. Cummings, Editor) Journal of Neuropathology and Experimental Neurology 50:184, 1991.

Scott, S.A., DeKosky, S.T., and Scheff, S.W. Volumetric atrophy of the amygdala in Alzheimer’s disease: Quantitative serial reconstruction. Neurology 41:351-356, 1991.

Schmitt, F. A. Shih, W-J, and DeKosky, S. T. Neuropsychological correlates of single photon emission computed tomography [SPECT] in Alzheimer’s disease. Neuropsychology 6:159-171, 1992.

Sparks, D.L., Hunsaker, J.D., Slevin, J.T., DeKosky, S.T., Kryscio, R.J, Markesbery, W.R. Monoaminergic and cholinergic synaptic markers in the nucleus basalis of Meynert (nbM): Normal age-related changes and the effect of heart disease and Alzheimer’s disease. Annals of Neurology, 31:611-620, 1992.

Scott, S.A., DeKosky, S.T., Sparks, D.L., Knox, C.A., and Scheff, S.W. Amygdala cell loss and atrophy in Alzheimer’s disease. Annals of Neurology 32:555-563, 1992.

DeKosky, S.T., Harbaugh, R.E., Schmitt, F.A., Bakay, R.A.E., Chui, H.C., Knopman, D.S., Reeder, T.M., Shetter, A.G., Senter, H.J., Markesbery, W.R., and the Intraventicular Bethanecol Study Group. Cortical biopsy in Alzheimer’s disease: Diagnostic accuracy and neurochemical, neuropathological and cognitive correlations. Annals of Neurology 32:625-632, 1992.

Morse, J.K., DeKosky, S.T., and Scheff, S.W. Neurotrophic effects of steroids on lesion-induced growth in the hippocampus. II. Hormone replacement. Experimental Neurology 118:47-52, 1992.

Miller, P.D., Chung, W-W., Lagenaur, C.F., and DeKosky, S.T. Regional distribution of neural cell adhesion molecule (N-CAM) and L1 in human and rodent hippocampus. Journal of Comparative Neurology 327:341-349, 1993.

Palmer, A.M. and DeKosky, S.T.: Monoamine neurons in aging and Alzheimer’s disease. Journal of Neural Transmission 91:135-159, 1993.

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ABSTRACTS AND PRESENTATIONS

Available upon request