

CURRICULUM VITAE

RUSSELL H. SWERDLOW

I. Personal Data

Name: Russell Howard Swerdlow, M.D.

Title: Gene and Marge Sweeney Professor
Professor of Neurology, Molecular and Integrative Physiology,
Biochemistry and Molecular Biology
Director, University of Kansas Alzheimer's Disease Center
Director, University of Kansas Medical Center Neurodegenerative
Disease Program

Address: Department of Neurology
University of Kansas School of Medicine
Landon Center on Aging, MS2012
3901 Rainbow Blvd
Kansas City, KS 66160

Birth Date: February 19, 1965
New York, New York

II. Pregraduate Education

1983-87	Bachelor of Arts	New York University New York, New York
1987-91	Doctor of Medicine	New York University School of Medicine New York, New York

III. Postgraduate Education

1991-92	Intern in Internal Medicine	University of Virginia Health System Charlottesville, Virginia
1992-95	Resident in Neurology	University of Virginia Health System Charlottesville, Virginia
1995-97	Fellow in Neurodegenerative Diseases	University of Virginia Health System Charlottesville, Virginia
1995-96	Fellow in Geriatric Neuropsychiatry	University of Virginia/Western State Hospital (Staunton, Virginia)

IV. Academic Appointments

July, 1997 – November, 1997	Research Assistant Professor, Department of Neurology University of Virginia Health System Charlottesville, Virginia
December, 1997 – June, 2003	Assistant Professor, Department of Neurology University of Virginia Health System Charlottesville, Virginia
July, 2003 – June, 2006	Associate Professor, Department of Neurology University of Virginia Health System Charlottesville, Virginia
July, 2005 – August, 2007	Faculty, Neuroscience Graduate Program University of Virginia Health System Charlottesville, Virginia
July, 2006 – August, 2007	Associate Professor of Neurology with Tenure (Clinician-Investigator Track) Department of Neurology University of Virginia Health System Charlottesville, Virginia
August, 2007-Present	Professor, Department of Neurology (primary appointment, with tenure) University of Kansas School of Medicine Kansas City, KS
August, 2007-Present	Professor, Department of Molecular and Integrative Physiology University of Kansas School of Medicine Kansas City, KS
July, 2010-Present	Professor, Department of Biochemistry and Molecular Biology University of Kansas School of Medicine Kansas City, KS

V. Other Institutional Appointments

1999-2007	Liaison (Neurology) Western State Hospital Staunton, Virginia
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1998-2003	Consultant (Neurology) UVA-Healthsouth Rehabilitation Hospital Charlottesville, Virginia
2004 – 2007	Medical Director, Patient Transition Unit University of Virginia Health System Charlottesville, Virginia
2004 – 2007	Director, Medical Student Summer Research Program University of Virginia School of Medicine Charlottesville, Virginia
2004–2007	Director, Commonwealth of Virginia Telemedicine Memory Disorders Clinic University of Virginia School of Medicine Charlottesville, Virginia
2005-2007	Medical Liaison Committee for Medical Education Research Subcommittee University of Virginia School of Medicine Charlottesville, Virginia
2006-2007	Medical Director, General Neurology Inpatient Service University of Virginia Health System Charlottesville, Virginia
2006-2007	Regional Medical Director for Acute Care Medicine University of Virginia Health System Charlottesville, Virginia
2008-present	Director, Institute for Neurologic Discoveries Neurodegenerative Disorders Program Kansas University Medical Center Kansas City, Kansas
2008-present	Institute for Neurologic Discoveries Internal Advisory Committee Kansas University Medical Center Kansas City, Kansas
2008-2011	Associate Director, General Clinical Research Center Kansas University Medical Center

Kansas City, Kansas

- 2010-present
Chair, Neurology Faculty Development Committee
University of Kansas School of Medicine
Kansas City, Kansas
- 2011-present
Institutional Animal Care and Use Committee
Kansas University Medical Center
Kansas City, Kansas
- 2011-present
Director, University of Kansas Alzheimer's Disease
Center
Kansas University Medical Center
Kansas City, Kansas
- 2011-present
Institute for Neurologic Discoveries Executive
Committee
Kansas University Medical Center
Kansas City, Kansas
- 2011-present
Center Directors and Departmental Chairs
Executive Committee
Kansas University Medical Center
Kansas City, Kansas
- 2012-2015
School of Medicine Research Committee
(Vice Chair 2012-13; Chair 2013-14)
University of Kansas School of Medicine
Kansas City, Kansas
- 2012-2014
Shared Resources Subcommittee
University of Kansas Cancer Center
Kansas University Medical Center
Kansas City, Kansas
- 2013-2014
Faculty Assembly Research Committee
Kansas University Medical Center
Kansas City, Kansas
- 2013-present
University of Kansas Scholarly Achievement
Award Committee
University of Kansas
Lawrence, Kansas
- 2013-2014
Faculty Council Executive Committee
University of Kansas School of Medicine
Kansas City, KS

2014-present	Postdoctoral Affairs Advisory Committee Kansas University Medical Center Kansas City, Kansas
2014-present	KUMC Research Advisory Council (RAC) Kansas University Medical Center Kansas City, Kansas
2014-present	MD PhD Program Admissions Committee University of Kansas School of Medicine
2015-present	Adjunct Professor of Neurology Kansas City University of Medicine and Biosciences
2015-present	Internal Advisory Committee T32 Neurological and Neurorehabilitation Training Program University of Kansas Medical Center
2016-present	Proteomics/Mass Spectroscopy Core Oversight Committee University of Kansas Medical Center

VI. Non-Institutional Appointments

(A) Commissions and Foundations

2002-07	Virginia Alzheimer's Disease and Related Disorders Commission Richmond, Virginia (Commission Member 2002-2007; Chair of Commission 2006-2007)
2004-present	CurePSP Foundation for PSP/CBD and Related Diseases Baltimore, Maryland (Board of Directors 2004-2010; Research Committee Chair 2005-2010; Vice Chair 2007-2010; Acting Chair 2008; Research Committee 2005- present)

(B) Study Sections

2003-09	Cell Death in Neurodegeneration (CDIN) NIH Center for Scientific Review (Regular Member, 2003-2005; Permanent member, 2005-2009)
2004-08	Neurobiology-D Study Section

Veteran's Administration Scientific Review
(Permanent Member, 2004-2008)

2003-present Ad-hoc service on multiple NIH Study Sections (CDIN, NOMD, CMAD, NSD, BDCN, MDCN)

2014-present Neural Oxidative Metabolism and Death (NOMD)
NIH Center for Scientific Review
(Permanent member, 2014-2017)

(C) Editorial Boards and Activities

2008-present The Journal of Mitochondrial Biology

2009-present The Open Pathology Journal, Bentham Open Publishing

2009-present Journal of Alzheimer's Disease
(Associate Editor, 2009-2010; Senior Editor, 2011-present)

2009-present Mitochondrial Therapy

2009-present Frontiers in Aging Neuroscience

2010-present International Journal of Clinical and Experimental Medicine

2010-present Biochimica et Biophysica Acta – Molecular Basis of Disease

2010-present Degenerative Neurological and Neuromuscular Disease

2010-present Metabolic Brain Disease

2010-present Neurology (Behavioral and Cognitive Neurology Section)

2010-11 Guest Editor for Parkinson's Disease, "Special Issue on Mitochondrial Dysfunction in Parkinson's Disease"

2011-present Bioenergetics

2011-12 Guest Editor for Parkinson's Disease, "Special Issue on Mitochondrial Dysfunction in Parkinson's Disease".

2012-present American Journal of Neurodegenerative Disease

2013-present Journal of Neurology & Translational Neuroscience

2013-present BBA-Clinical (Chief Clinical Editor)

2014-present Current Neurology

2015-present Journal of Systems and Integrative Neuroscience

2015-present Journal of Translational Science

(D) Advisory Boards

2009-present External Advisory Board
Louisiana State University Institute for Dementia Research and Prevention
Baton Rouge, Louisiana

2011-2013 External Advisory Board
Center of Excellence for Research in Complementary and Alternative
Medicine in Alzheimer's Disease
Mount Sinai School of Medicine
New York, New York

2012 External Advisory Board
Pennington Biomedical Research Center
Louisiana State University
Baton Rouge, Louisiana

2014-present Clinical Advisory Board
Alzheimer's Drug Development Foundation
New York, NY

2016-present Scientific Advisory Board
Telocyte

2016-present National Institute on Aging Board of Scientific Councilors

(E) Other

1998-2003 Estuary Associated Syndrome Medical Team
Commonwealth of Virginia

2004 Participant, Ronald Reagan Oral History Project
Dr. John E. Hutton Jr. Interview
Miller Center of Public Affairs
University of Virginia, Charlottesville, Virginia.

2001-2007 Alliance Awards Subcommittee
American Academy of Neurology

2014-present Kansas City University of Medicine and Biosciences Institutional Review Board (Unaffiliated Member)

VII. Certification and Licensure

(A) Certification

American Board of Psychiatry and Neurology, with expertise in Neurology
Issued April, 1996 (#42947); recertified in 2006 and 2016

(B) Licensure

Commonwealth of Virginia
Permanent, Issued November 1, 1994 (#0101051791)

Kansas
Permanent, Issued December 8, 2007 (#04-32851)

VIII. Honors and Awards

1986	Distinguished Undergraduate Research Award, New York University
1987	Founders Day Award, New York University
1987	Phi Beta Kappa, New York University
1987	Magna Cum Laude, New York University
1987-91	Silverstein Scholarship, New York University School of Medicine
1987-90	Short Term Training Grants - NIH Grant 5T35DK0742, Honors Research Program, New York University School of Medicine
1991	Medical Degree with Honors in Pathology, New York University
1997	S. Weir Mitchell Award, American Academy of Neurology.
1998-01	Cotzias Fellow, American Parkinson's Disease Association
2005-10	Research Committee Chair, CurePSP Foundation
2006-07	Chair, Virginia State Alzheimer's Commission
2012	2012 University Scholarly Achievement Award, University of Kansas
2013	Gene and Marge Sweeney Professor of Neurology
2014	Chancellor's Club Research Award, University of Kansas

2016-present National Institute on Aging Board of Scientific Counselors

IX. Professional Affiliations

1992-Present American Academy of Neurology

1999- Present Society for Neuroscience

2001- 2008 Society for Behavioral and Cognitive Neurology

2011-2012 International Society for Neuroethics

X. Funding

(A) As Principal Investigator

- 1995-97 Bioenergetics in Neurodegeneration
National Research Service Award
NIH NS07199
- 1997-98 Cytochrome Oxidase in Alzheimer's Disease
Virginia Alzheimer's Disease and Related Research Foundation
Aims: Evaluate mtDNA and cytochrome oxidase in Alzheimer's disease
\$16,000
- 1997-02 Mitochondria in Neurodegeneration
K08 AG00800 NIH/NIA
Aims: Develop cybrid technique for evaluating mtDNA in degeneration
\$501,195
- 1998-99 Mitochondria in Progressive Supranuclear Palsy
Society for Progressive Supranuclear Palsy
Aims: Evaluate mtDNA-determined mitochondrial function in PSP
\$17,000
- 1998-01 Genetics in Parkinson's Disease
American Parkinson's Disease Association
Aims: Evaluate mtDNA integrity in Parkinson's disease
\$180,000
- 2004 Gene-Determined Cytochrome Oxidase Subunit Interactions
University of Virginia Research and Development
Aims: Evaluate cytochrome oxidase polymorphisms in central Virginia
\$20,000

- 2004-06 Pioglitazone Mediated Changes in Mitochondrial Electron Transport Chain Capacity and Oxidative Stress
Takeda Pharmaceuticals
Aims: Determine the effects of pioglitazone on mitochondrial function
\$103,750
- 2005-09 Cytochrome Oxidase Polymorphisms in Aging
R01 AG022407 NIH/NIA
Aims: Determine the role of cytochrome oxidase polymorphisms in aging
\$571,823
- 2006-07 Effects of Memantine on Mitochondrial Function and Dysfunction
PI: Russell H. Swerdlow
Agency: Forest Pharmaceuticals
Aims: Determine the effects of memantine on mitochondrial function
\$85,000
- 2006-07 Commonwealth of Virginia Telemedicine Memory Disorders Clinic
Virginia Center on Aging
Aims: Develop a pilot statewide Telemedicine Memory Disorders Clinic in Virginia
\$10,000
- 2007-08 The KU Parkinson's Disease Cybrid Project
The Heartland Parkinson's Disease Foundation
Aims: To establish Parkinson's disease cybrid cell lines at the University of Kansas
\$25,000
- 2009-11 Clinical and Biomarker Relevance of Cytochrome Oxidase in Alzheimer's Disease
University of Kansas Clinical Pilot Program
Aims: To evaluate the potential of cytochrome oxidase as an Alzheimer's disease biomarker
\$35,000
- 2009-10 Effects of Dimebon on Mitochondrial Respiration
Medivation, Inc.
Aims: Determine the effects of dimebon on mitochondrial function
\$46,250
- 2010-11 Studies in Mitochondrial Medicine
Morgan Family Foundation
Aims: Determine approaches to manipulating mitochondrial function in cells and animals
\$25,000

- 2011-16 Kansas University Alzheimer's Disease Core Center
P30 AG035982 NIH/NIA
Aims: Support and develop regional Alzheimer's disease research
\$6,364,433
- 2011-2012 Mitochondrial Biogenesis Induction
Frank and Evangeline Thompson Alzheimer's Therapy Development
Fund
Aims: Explore ways to induce mitochondrial biogenesis in mouse brain
\$125,000
- 2011-2012 Near Infrared Laser Treatment's Effect on Bioenergetic Fluxes
and Mitochondrial Biogenesis
PhotoThera, Inc
Aims: Assess the effects of near infrared light on brain mitochondrial
biogenesis
\$103,460
- 2012-2014 Oxaloacetate's Brain Effects
R03 NS077852 NIH/NINDS
Aims: Determine how oxaloacetate affects brain bioenergetic pathways
\$151,000
- 2013-2014 Pharmacokinetics of Oxaloacetate (POX)
KUMC Frontiers/KUMC Neurology Zeigler Award
Aims: Determine human oxaloacetate pharmacokinetics
\$20,000
- 2014-2016 S-Equol in Alzheimer's Disease (SEAD) Trial
Ausio Pharmaceuticals
Aims: Determine the effect of S-equol on AD subject platelet
mitochondria cytochrome oxidase activity
\$147,963
- 2015-2017 Trial of Oxaloacetate in Alzheimer's Disease (TOAD) Trial
Alzheimer's Association PCTR-15-330495
Aims: Assess tolerability and biomarker modification of ascending
oxaloacetate doses in AD subjects
\$570,000
- 2015-2017 Bioenergetic Manipulation for the Treatment of Alzheimer's Disease
Kansas Board of Regents Experimental Program to Stimulate Competitive
Research
Aims: Synthesize and validate novel compounds that can enhance brain
energy metabolism

- \$100,000
- 2015-2017 Effect of RNS60 on Cell Bioenergetics
Revalesio Corporation
Aims: Assess the effects of RNS60 on cell bioenergetics fluxes and infrastructure
\$140,000
- 2016-2021 Kansas University Alzheimer's Disease Core Center
P30 AG035982 NIH/NIA
Aims: Support and develop regional Alzheimer's disease research
\$8,415,000
- 2016-2017 Ketone Body-Based Interventions for Alzheimer's Prevention and Therapy
Stop Alzheimer's Now Foundation
Aims: Test how different types of ketosis induction influence brain metabolism
\$100,000

(B) As Co-Investigator/Collaborator/Consultant

- 2001-03 Alzheimer's Disease Linked to a Mutation in Mitochondrial DNA
Virginia Commonwealth Health Research Board (Frank Castora, PI)
Role: Co-Investigator
Aims: Evaluate functional consequences of a mtDNA mutation
- 2007-10 General Clinical Research Center (GCRC)
M01 RR023940 NIH (Richard Barohn, PI)
Role: Key Personnel (Center Co-Director)
Aims: Provide clinical investigators with facilities and resources to conduct clinical research.
- 2008-11 Family History of Alzheimer's, Hypometabolism and Oxidative Stress
R21 AG03255401 (Lisa Mosconi, PI)
Role: Co-Investigator
Aims: We assay platelet mitochondria in this study evaluating links between imaging and tissue metabolism
- 2010-2015 Targeting Stress-Mediated Pathways in the Treatment of Muscle Insulin Resistance (Paige Geiger, PI)
R01 AG031575
Role: Consultant
Aims: I serve as a consultant for the application and interpretation of mitochondrial assays.

- 2010-13 Aerobic Fitness in Slowing the Progression of Alzheimer's Disease
R01 AG033673 (Jeffrey Burns, PI)
Role: Co-Investigator
Aims: We assay BDNF in blood samples from AD subjects exposed to different levels of exercise
- 2010-15 History of Alzheimer Predisposes Children to Amyloid Beta-Related Hypometabolism.
R01 AG035137
Role: Consultant
Aims: We assay platelet mitochondria in this study evaluating links between imaging and tissue metabolism
- 2012-16 Phase 2 Study of Rasagiline for Treatment of Amyotrophic Lateral Sclerosis
R01FD003739 (Richard Barohn, PI)
Role: Co-PI
Aims: We assay biospecimens from rasagiline-treated human subjects for evidence of molecular target engagement by the study drug
- 2013-18 Effect of Aerobic Exercise on Alzheimer's Pathophysiology in Preclinical AD
R01 AG043962 (Burns, PI)
Role: CoI
Aims: We assay biospecimens from exercised adults with preclinical AD
- 2016-18 Metabolic Hormones, Aging, and Alzheimer's Disease
K99AG050490 (Morris, PI)
Role: Advisor
Aims: This project studies metabolism and mitochondrial function in AD models and patient-derived biospecimens
- 2016-18 Rescue of mt DNA-derived defects by mitochondria-targeted mRNA import and translation
R21 NS094945 (Zhu, PI)
Role: CoI
Aims: This project is developing an approach to translate nuclear-expressed mRNA transcripts within mitochondria
- 2016-17 Bioenergetic Manipulation for the Treatment of Alzheimer's Disease
J.R and Inez Jay Fund (Schoenen, PI)
Role: CoI
Aims: This project develops mitochondria-active prodrugs
- 2016-17 Effect of Oxaloacetate on the Lifespan of Amyotrophic Lateral Sclerosis (ALS) Model Mice (Nishimune, PI)

Kansas City Area Life Sciences Institute

Role: CoI

Aims: To determine the effects of OAA on ALS transgenic mice survival

(C) As a Clinical Trial Site PI (Multiple trials as a clinical trials site sub-PI are not listed)

2001-02	GAL-INT-10: Placebo Controlled Evaluation of Galantamine in the Treatment of Alzheimer's Disease: Safety and Efficacy of a Controlled Release Formulation Janssen Pharmaceuticals \$93,971
2001-02	GAL-INT-26: A Randomized, 26 Week, Double-Blind, Placebo-Controlled Trial to Evaluate the Safety and Efficacy of Galantamine in the Treatment of Dementia Secondary to Cerebrovascular Disease Janssen Pharmaceuticals \$33,200
2001-03	CN138-004: A Multicenter, Randomized, Double-Blind, Placebo Controlled Study of Three Doses of Aripiprazole in the Treatment of Institutionalized Patients with Psychosis Associated with Dementia of the Alzheimer's Type Bristol Meyers Squibb \$97,645
2001-03	RIS-USA-232: Efficacy and Safety of a Flexible Dose of Risperidone Versus Placebo in the Treatment of Psychosis in Alzheimer's Disease Janssen Pharmaceuticals \$83,894
2001-03	A 24 Week, Multicenter, Randomized, Double-Blind, Placebo-Controlled Evaluation of the Safety and Efficacy of Donepezil Hydrochloride (E2020) in Patients with Severe Alzheimer's Disease Followed by a 12 Week Open-Label Extension Period Eisai \$9,500
2002-05	A Double-Blind, Placebo-Controlled, Dose-Finding Study Evaluating the Safety and Efficacy of MKC-231, 80 mg Bid, and 20 and 80 mg qd in the Treatment of Mild to Moderate Alzheimer's Disease Mitsubishi \$30,625
2006-2007	MEM MD 51: An Open Label Evaluation of the Safety of Memantine in Patients with Moderate-to-Severe Dementia of the Alzheimer's Type Forest Research Institute
2006-2007	E2020-G000-326-327-Double Blind Parallel Group Comparison of 23 mg Donepezil Sustained Release to 10 mg Donepezil Immediate Release in Patients with Moderate to Severe Alzheimer's Disease Eisai

XI. Teaching Activities

(A) Regional and National Classroom, Seminar, or Teaching Laboratory

- 1999-2007 Faculty, Neurology Boards Review Course. Neurochemistry and Neurogenetics sections. Rotating sessions in Boston, New York, Chicago, and Houston.
(Five-seven 1.5 hour sessions per year, 100-300 neurologists and neurology residents per session).
- 2001-2007 Faculty, Mitochondrial Molecular Biology Workshop, Foundation for Advancement of Educational Science (FAES), Bethesda, Maryland.
“Mitochondrial Disorders: Molecular Lesions, Phenotypes, Mutation Detection, and Approaches to Therapy.” (One 2 hour session per year, 10-20 students)

(B) University Classroom, Seminar, or Teaching Laboratory

1. University of Virginia

- 1998-2007 Introduction to Clinical Medicine: The Neurology Examination
(1st year medical students)
(1-2 two hour session per year, 7-14 students/session)
- 1998-2007 Introduction to Clinical Medicine: Neurology Case Discussion Groups
(2nd year medical students)
(1-2 two hour sessions per year, 15-20 students/session)
- 1998-2007 Neurology Clerkship Case Discussion Series
(4th year medical students)
(2 two hour sessions per year, 10-15 students/session)
- 1998-2007 Mock Neurology Oral Board Examinations for Residents
(one 1 hour session per year, 1 neurology resident)
- 1998-2007 Mock Neurology Oral Board Examinations for Fellows
(2-4 one hour sessions per year, 1-3 neurology fellows)
- 1998-2007 Guest Lecturer for “The Biological Basis of Mental Health and Mental Illness.”
Course Preceptor: Carol Manning, PhD, University of Virginia School of Nursing
(one 1.5 hour session per year; 10-15 School of Nursing students)

- 1998-2006 Guest Lecturer for “Topics in the Molecular Basis of Human Disease.”
Course Preceptor: James Mandell, MD PhD, University of Virginia
School of Medicine
(one 2 hour session per year; 10-15 graduate/medical scientist training
program students)
- 2001 Guest Lecturer for “Neuropsychological and Biological Basis of
Behavior.”
Course Preceptor: Kathleen Fuchs, PhD, Curry School Graduate Program
in Clinical Psychology
(Two 2 hour sessions, 17 psychology graduate students)
- 2001 Neurochemistry Review For Neurology In-Service Exam
(1 two hour session; 15 neurology residents)
- 2001-02 Neurogenetics Seminar Series for Neurology Residents
(3 one hour sessions; 15 Residents)
- 2002-2007 Medical Student Summer Research Program Mentor
Daily supervision of medical students during 8 week research program
- 2003 Behavioral Neurology Seminar Series for Neurology Residents
- 2004 Dementia Seminar for Neuroscience Nurses, University of Virginia
- 2005-2007 Behavioral Neurology Seminar Series for Neurology Residents
- 2007 Discussant, 6th Annual Surgery Resident’s Research Day, University of
Virginia

2. University of Kansas

- 2008-present Faculty, First Year Class Patient Based Learning Series
University of Kansas School of Medicine
(11 two hour sessions; ~10 medical students)
- 2009-present Lecturer and mentor for “Molecular Mechanisms in Neurologic
Disorders”
Course Preceptor: Steven Levine, PhD
Interdisciplinary Graduate Program in the Biomedical Sciences
University of Kansas School of Medicine
(2 two hour sessions, ~8 PhD students)
- 2009-present Lecturer for “Foundations of Medicine”
Course Preceptor: Joe Fontes, PhD
University of Kansas School of Medicine

(Lecture to ~180 medical students; 4 two hour sessions with ~10 students per session)

- 2010-present Lecturer for “Cell Structure and Function”
Course Preceptor: Mike Werle, PhD
Interdisciplinary Graduate Program in the Biomedical Sciences
- 2010-present Lecturer for “Advanced Molecular Genetics”
Course Preceptor: Glen Andrews, PhD ; Ken Peterson, PhD
BCHM 922 Graduate level course, Dept. of Biochemistry
University of Kansas School of Medicine
- 2012 Lecture for “Nutrition and Neuroscience”
Course Preceptor: Susan Carlson, PhD
Department of Dietetics and Nutrition
University of Kansas School of the Health Professions
- 2015-present Group leader, TeamSTEPPS Program
Program Director: Kristy Johnson
University of Kansas Medical Center for Interprofessional Education and Simulation
- 2015 Neurogenetics Neurology Residents Seminar Series (6 half-hour lectures)
Course Preceptor: Russell Swerdlow, MD
University of Kansas Medical Center Department of Neurology

(C) Clinical Teaching

1. University of Virginia

- 1998-2007 Neurology Inpatient Ward Attending, University of Virginia
2 Neurology Residents, 2 Medical Interns, 2 4th-year Medical Students
Rounds 7 days/week; 0.5 hour Student Case Conference every other day;
5-7 weeks per year
- 1998-2007 Neurology Inpatient Consult Attending, University of Virginia
1 Neurology Resident, 2 Off-service Interns, 1-2 4th-year Medical Students
Rounds 7 days/week; 3-5 weeks per year
- 1998-2007 Neurology Outpatient Unit, Supervising Attending, University of Virginia
4-5 Neurology Residents, 2 4th-year Medical Students per half day session
1-20 sessions per year
- 1996-2007 Memory Disorders Clinic, Supervising Attending, University of Virginia

1 internal medicine intern on Geriatric medicine rotation, rotating Geriatric Psychiatry fellows, 1 neurology resident, 1 behavioral neurology fellow
Every Wednesday 8 AM – 12 PM

2001-04 Alzheimer's Disease Clinical Trials, Supervising Attending
1 neurology resident, one morning per week

2. University of Kansas

2008-present Neurology Outpatient Clinic, Supervising Attending, University of Kansas
4-5 Neurology Residents, 2 4th-year Medical Students per half day session
~10 sessions per year

2008-present Neurology Inpatient and Consult Service, Supervising Attending, University of Kansas
1-2 Neurology Residents, 1-2 Medical Interns, 2-4 Medical Students
2-4 weeks per year

2008-present Memory Disorders Clinic, Supervising Attending, University of Kansas
1-2 Neurology Residents/Medical Interns, 2-4 Medical or Allied Health Students,
University of Kansas
½ day per week

(D) As Symposium Organizer

2001 16th Annual Western State Hospital Alzheimer's Disease Symposium
Staunton, Virginia

2001-02 Neurogenetics Seminar for University of Virginia Neurology Residents

2002 17th Annual Western State Hospital Alzheimer's Disease Symposium
Staunton, Virginia

2003 18th Annual Western State Hospital Alzheimer's Disease Symposium
Staunton, Virginia

2004 19th Annual Western State Hospital Alzheimer's Disease Symposium
Staunton, Virginia

2005 20th Annual Western State Hospital Alzheimer's Disease Symposium
Staunton, Virginia

2006 21th Annual Western State Hospital Alzheimer's Disease Symposium
Staunton, Virginia

- 2006 Course Director, Sentara Behavioral Health Services Annual Symposium
Richmond, Virginia. “Alzheimer’s Disease and the Dementia Syndrome”
- 2015 American Physiological Society. “Physiological Bioenergetics: From
Bench to Bedside”
- 2016 Heartland Center for Mitochondrial Medicine First Annual Symposium,
Kansas City, Kansas

(E) Teaching Committees

- 2002-04 PhD Dissertation Mentor/Examiner For Sandra Cardoso, University of
Coimbra, Portugal
- 2003-06 PhD Dissertation Committee For Sharharyar Khan, University of Virginia,
Charlottesville
- 2008-11 PhD Dissertation Mentor/Examiner For Raquel Esteves, University of
Coimbra, Portugal
- 2008-11 PhD Dissertation Committee For Jill Morris, University of Kansas, Kansas
City, Kansas
- 2008-09 MA Dissertation Committee For Jeff Burns, MD, University of Kansas,
Kansas City, Kansas
- 2009-11 PhD Dissertation Committee/Mentor For Eva Selfridge, University of
Kansas, Kansas City, Kansas
- 2009-11 PhD Dissertation Committee for Megan Dunn, University of Kansas,
Kansas City, Kansas
- 2009-13 PhD Dissertation Committee for Zhang Liang , University of Kansas,
Lawrence, Kansas
- 2009-13 PhD Dissertation Committee/Mentor for Lezi E, University of Kansas,
Kansas City, Kansas
*Recipient of a Mabel Woodyard Neurodegenerative Disease Fellowship
Award
- 2009-11 PhD Dissertation Committee for Ming Xu, University of Kansas, Kansas
City, Kansas
- 2009-13 PhD Dissertation Committee for Brianne Guilford, University of Kansas,
Kansas City, Kansas

- 2011-15 PhD Dissertation Committee for Jordan Taylor, University of Kansas, Kansas City, Kansas
- 2011-14 PhD Dissertation Mentor/Examiner For Diana Silvia, University of Coimbra, Portugal
- 2012 PhD Dissertation Examiner for Kathryn Cimdins, University of Melbourne, Australia
- 2012-15 PhD Dissertation Committee for Rushi Trivedi, Stowers Institute, Kansas City, Missouri
- 2012-15 PhD Dissertation Committee for Nairita Roy, University of Kansas, Kansas City, Kansas
- 2012-15 PhD Dissertation Committee for Robert Rogers, University of Kansas, Kansas City, Kansas
- 2012-16 PhD Dissertation Committee for Kristen Watt, University of Kansas, Kansas City, Kansas and Stower's Institute, Kansas City, Missouri
- 2013-16 PhD Dissertation Committee for Anna Matlaga, University of Kansas, Kansas City, Kansas
- 2013-Present PhD Dissertation Committee for Lindsey Thompson, University of Kansas, Kansas City, Kansas
- 2013-Present PhD Dissertation Committee for Amanda Brinker, University of Kansas, Kansas City, Kansas
- 2013-16 PhD Dissertation Committee for Matthew Stroh, University of Kansas, Kansas City, Kansas
- 2013-Present PhD Dissertation Committee for Yaqiong Wang, University of Kansas, Kansas City, Kansas
- 2013-14 Masters Dissertation Committee for Kayla Raider, University of Kansas, Kansas City, Kansas
- 2014-Present PhD Dissertation Committee for Eephie Tan, University of Kansas, Kansas City, Kansas
- 2014-Present PhD Dissertation Committee for Eric Young, University of Kansas, Kansas City, Kansas

- 2014-Present PhD Dissertation Committee for Blake Ebner, University of Kansas, Kansas City, Kansas and Stower's Institute, Kansas City, Missouri
- 2014-Present PhD Dissertation Committee for Victor Vasques Montes, University of Kansas, Kansas City, Kansas
- 2015-Present PhD Dissertation Committee/Mentor for Scott Koppel, University of Kansas, Kansas City, Kansas
- 2015-Present PhD Dissertation Committee/Mentor for Ian Weidling, University of Kansas, Kansas City, Kansas
- 2016-Present PhD Dissertation Committee for Melike Kahya, University of Kansas, Kansas City, Kansas
- 2016-Present PhD Dissertation Committee for Sarah Woody, University of Kansas, Lawrence, Kansas
- 2016-Present PhD Dissertation Committee for Jianzheng Wu, University of Kansas Medical Center, Kansas City, Kansas/Stower's Institute, Kansas City, Missouri

(F) Undergraduate, Medical Student, Resident, Graduate Student, Fellow, Faculty Supervision

- 1999-00 Undergraduate Biology Honors Program Thesis advisor for Brad Weaver, University of Virginia
- 2001-03 Residency advisor for Jeffrey Tramonte, M.D.
- 2001-02 Supervised Jeffrey M. Burns, MD, in conduct of Alzheimer's disease clinical trials
- 2002 Advisor to Mathew Barrett
University of Virginia School of Medicine Summer Research Program
- 2003 Advisor to Lien Phan
University of Virginia School of Medicine Research Program
- 2004 Research Elective Supervisor for Mathew Barrett
University of Virginia Medical Student
- 2004-05 Research Supervisor for Anne Lilly, University of Virginia Undergraduate Student
- 2005 Advisor to Aisha Dharamsi
University of Virginia School of Medicine Summer Research Program

- 2005 Advisor to Andrew Copland
University of Virginia School of Medicine Summer Research Program
- 2005 Advisor to Sixtene Valdelievre,
University of Virginia School of Medicine Research Program
- 2005-06 Behavioral Neurology Fellowship supervision of Mariecken Fowler, MD
University of Virginia Department of Neurology
- 2005-07 Research Supervisor for Nishant Patel, University of Virginia Undergraduate
Student
- 2005-07 Research Supervisor for Douglas Rahn, University of Virginia School of
Medicine Student (Recipient of 2006 Medical Student Summer Research
Scholarship from the American Academy of Neurology)
- 2006-07 Research Supervisor for Jenna McAllister, University of Virginia Undergraduate
Student
- 2006-07 Advisor for Mathew Barrett, MD, University of Virginia Neurology Resident
- 2006-07 Research Supervisor for Geoffrey Horwitz, University of Virginia Neuroscience
Graduate Student
- 2006-07 Research Supervisor for Sina Sadeghi, University of Virginia Undergraduate
Student
- 2006-2007 Research Supervisor for Mathew Padrick, University of Virginia Undergraduate
Student
- 2007 Research Supervisor for Melissa Park, University of Virginia School of Medicine
- 2008 Research Supervisor for Johannes Ehinger, Visiting student from the University
of Lund, Sweden
- 2008 Research Supervisor for Natalie Katz, University of Kansas MD PhD Student
- 2008 Research Supervisor for Felcy Selwyn Samraj University of Kansas PhD Student
- 2008-09 Research Supervisor for Mohita Shrivastava, All India Institute of Medical
Sciences PhD Student
- 2009 Research Supervisor for Ana Raquel Esteves, University of Coimbra (Portugal)
PhD Student

- 2009 Research Supervisor for Brianne Guilford, University of Kansas PhD Student
- 2009 Research Supervisor for Lezi E, University of Kansas PhD Student
- 2009-10 Research Supervisor for Vamsi Mangena, High School Student
- 2010 Research Supervisor for Ilya Bragin, Ross Medical School student
- 2010-present Faculty Mentor for Robyn Honea, PhD, Assistant Professor of Neurology, University of Kansas Department of Neurology
- 2011-14 Clinical Mentor for Kristin Russell (T32 Neurological and Rehabilitation Training Program)
- 2011-14 Research Supervisor for Karthik Chellamathu, High School Student
- 2011 Summer Research Program Mentor for Eric Funk, KUMC Medical Student
- 2011-12 Rotation Supervisor for Diana Silva, University of Coimbra (Portugal) PhD Student
- 2012 Rotation Supervisor for Andrea Nuckolls, University of Kansas Interdisciplinary Graduate Program in the Biomedical Sciences
- 2012 Rotation Supervisor for Isabella Fuentes, University of Kansas Interdisciplinary Graduate Program in the Biomedical Sciences
- 2012 Rotation Supervisor for Matthew Stroh, University of Kansas Interdisciplinary Graduate Program in the Biomedical Sciences
- 2013 Rotation Supervisor for Rawan Albadareen, MD, University of Kansas Neurology Resident
- 2013 Mentor for Colton Nielson, KUMC Medical Student (T32 Neurological and Rehabilitation Training Program Summer Scholars Program)
- 2013 Rotation Supervisor for Yaqiong Wang, University of Kansas Interdisciplinary Graduate Program in the Biomedical Sciences
- 2013 Rotation Supervisor for Scott Koppel, University of Kansas MD PhD Program Sciences
- 2013-26 Research Advisor for Suruchi Ramanujan, Local High School Student
*Semifinalist in the 2015-16 National Intel Science Award Competition

- 2013-present Faculty Mentor for Michael Rippee, MD, Assistant Professor of Neurology, University of Kansas Department of Neurology
- 2014 Rotation Supervisor for Allison Greenlief, University of Kansas MD PhD Program
- 2014 Research Advisor for Sam Weber, Local High School Student
- 2015 Summer Research Program Mentor for Christina Hughey, KUMC Medical Student
- 2015 Rotation Supervisor for Luqi Duan, University of Kansas Interdisciplinary Graduate Program in the Biomedical Sciences
- 2015-present Research Advisor for John McGinnis, University of Kansas MD PhD Program
- 2015 Rotation Supervisor for Ian Weidling, University of Kansas Interdisciplinary Graduate Program in the Biomedical Sciences
- 2015-16 Research Mentor for Lauren Ryan, George Washington University Undergraduate Participating in the NIA Frontiers in Aging Research Program
- 2016-present Research Supervisor for Jan Yi, First Affiliated Hospital of Zhengzhou University, Zhengzhou, China (postdoctoral fellow sponsored by the Chinese government)
- 2017 Rotation Supervisor for Alex Von Schulzel, University of Kansas Interdisciplinary Graduate Program in the Biomedical Sciences

XII. Reviewer Service

A. Invited reviewer (journals)

Acta Neuropathologica
Aging Research Reviews
AgroFood Industry Hi-Tech
Alzheimer's Disease and Associated Disorders
Alzheimer's and Dementia
Alzheimer's Research and Therapy
American Journal of Pathology
American Journal of Physiology – Endocrinology and Metabolism
Annals of Internal Medicine
Annals of Medicine
Annals of Neurology
Annals of Clinical and Translational Neurology
Antioxidants and Redox Signaling
Archives of Neurology
Autophagy

BBA-Clinical
BBA-General Subjects
BBA – Molecular Basis of Disease
Behavioural Brain Research
BenSci
Biochemical Journal
Biochemical Pharmacology
Biochimica et Biophysica Acta
Biogerontology
Biological Psychiatry
Biomarkers
Biomarkers in Medicine
BioMed Central Neuroscience
BioMed Research International
Brain
Brain Research
Brain Research Bulletin
British Journal of Pharmacology
Cardiovascular Psychiatry and Neurology
Cell Communication and Signaling
Cell Cycle
Chemical Biology and Drug Design
CNS Spectrums
Current Alzheimer Research
Current Gerontology and Geriatrics Research
Current Neuropharmacology
Current Pharmaceutical Design
Diabetes
E-Biomedicine
Electrophoresis
Environmental Health Perspectives
Environmental Toxicology and Chemistry
Experimental Cell Biology
Experimental Gerontology
Experimental Neurology
Expert Opinion on Orphan Drugs
Expert Review of Neurotherapeutics
Expert Reviews in Molecular Medicine
Free Radical Biology and Medicine
Free Radical Research
Frontiers in Aging Neuroscience
Frontiers in Bioscience
Future Neurology
Genomics
Human Gene Therapy
Human Molecular Genetics

International Journal of Alzheimer's Disease
International Journal of Biochemistry & Cell Biology
International Journal of Environmental Research and Public Health
International Journal of Molecular Sciences
International Journal of Neuroscience
IUBMB Life
JAMA
JAMA Neurology
Journal of Alzheimer's Disease
Journal of Bioenergetics and Biomembranes
Journal of Biomedicine and Biotechnology
Journal of Cellular and Molecular Medicine
Journal of Chemical Information and Modeling
Journal of Gerontology: Biological Sciences
Journal of Medical Genetics
Journal of Neural Transmission
Journal of Neurochemistry
Journal of Neurodegenerative Diseases
Journal of the Neurological Sciences
Journal of Neuropathology and Experimental Neurology
Journal of Neuroscience
Journal of Neuroscience Methods
Journal of Parkinson's Disease
Journal of Parkinson's and Alzheimer's Diseases
Journal of Pharmacology and Experimental Therapeutics
Journal of Psychiatric Research
Journal of Visualized Experiments
Lancet Neurology
Life Sciences
Metabolic Brain Disease
Microscopy Research and Technique
Mini Reviews in Medicinal Chemistry
Mitochondrion
Molecular Neurobiology
Molecular Neurodegeneration
Movement Disorders
Movement Disorders Clinical Practice
Muscle and Nerve
Mutation Research
Nature Medicine
Neurobiology of Aging
Neurobiology of Disease
Neurochemistry International
Neurodegenerative Disease Management
Neurodegenerative Diseases
NeuroImmunoModulation

Neurology
Neurology: Clinical Practice
Neurology India
NeuroMolecular Medicine
Neuropharmacology
Neuropsychiatric Disease and Treatment
Neuroscience
Neuroscience Letters
Neurotherapeutics
Neurotoxicity Research
New England Journal of Medicine
Nutrients
Nutritional Neuroscience
Obesity
Pharmaceuticals
Pharmacological Reviews
Platelets
PLoS Medicine
PLoS One
Proceedings of the National Academy of Sciences
Redox Biology
Science
Scientific Reports
Therapeutic Advances in Chronic Disease
Trends in Genetics

B. Invited reviewer (grants)

Alzheimer's Association
Alzheimer's Research UK
Alzheimer's Society (UK)
Arkansas Science and Technology Authority Basic Research Program
Clinical Research in ALS and Related Disorders Therapeutic
Development Consortium (CRATE-ALS)
Croucher Foundation (Hong Kong)
CurePSP Foundation
High Q Foundation
Human Frontier Science Program, Strausbourg, France
LSU R&D Research Competitiveness Subprogram
Luxembourg National Research Fund
Medical Research Council (UK)
NIH: Brain Disorders and Clinical Neurosciences (BDCN)
NIH: NIA Board of Scientific Counselors Review (2015)
NIH: NIEHS Special Emphasis Panel
NIH: Udall Centers ZNS1-SRB-M Review Group
NIH: ZRG1 CDIN study section
NIH: Neurological Sciences and Disorders B study section

NIH: ZNS1 SRB-E 25 study section
NIH: NHLBI Intramural Research Program Review
NIH: NOMD study section
NIH: CMAD study section
NIH: ZRG1 EMNR-Q (50)
NIH: ZRG1 PSE B03
NIH: MDCN Special Emphasis Panels
NIH: P50 Review Panel
National Health and Medical Research Council (NHMRC) of Australia
Oregon Alzheimer's Disease Center
Oregon Partnership for Alzheimer's Research
Portuguese Science and Technology Foundation
Research Grant Council of Hong Kong
Telethon Foundation (Italy)
Thiel Foundation
United States Civilian Research and Development Foundation for the
Independent States of the Former Soviet Union
University of Arizona Alzheimer's Disease Core Center Pilot Program
University of Missouri Research Board
Veterans Affairs Merit Review Neurobiology D
Virginia Center on Aging Alzheimer's and Related Diseases Research
Award Fund
Wellcome Trust (Great Britain)

C. Other

- 2015 Appointment Commission, LCSB - Luxembourg Centre for Systems
Biomedicine ATTRACT Fellows Program
- 2015 Biomedical Research Training Program, University of Kansas Medical
Center

XIII. Clinical Activities

(A) University of Virginia

1. Inpatient

1996-07 Neurology Inpatient and Consult Service Attending Physician
University of Virginia Hospital
1-3 months per year

2. Outpatient

1997-07 University of Virginia Memory Disorders Clinic
½ per week

1996-07 Neurological Outpatient Unit Attending Physician

University of Virginia Department of Neurology/Hospital
Between 1 and 19 half-day clinics per year

(B) Western State Hospital

1998-07 Neurology Clinic (half day clinic)
2-7 half-day clinics per year

(C) University of Kansas

1. Inpatient

2008-Present Neurology Inpatient and Consult Service Attending Physician
University of Kansas Hospital
2-8 weeks per year

2. Outpatient

2008-Present University of Kansas Memory Disorders Clinic
½ days per week

2008-Present University of Kansas Neurology Outpatient Clinic
University of Kansas Department of Neurology
10-12 half-days per year

XIV. Invited Lectures, Symposiums, and Roundtables

A. Intra-Institutional

1. University of Virginia

1994 University of Virginia Department of Neurology Grand Rounds. "MPTP Treatment Produces Anatomically Generalized Forebrain Complex I Inhibition."

1996 University of Virginia Department of Neurology Grand Rounds. "Bioenergetic Dysfunction in Sporadic Neurodegenerative Diseases."

1996 The Medical Center Hour of the University of Virginia, Charlottesville, Virginia. "A Genetic Defect in Parkinson's Disease."

1997 University of Virginia Department of Neurology Grand Rounds. "Mechanisms of Neurodegeneration."

1998 University of Virginia Department of Neurology Grand Rounds. "Clinical and Basic Scientific Approaches to Dementia and Neurodegeneration."

- 1998 Health Evaluation Sciences Faculty Research Conference, University of Virginia Health Sciences Center, Charlottesville, VA. "Epidemiologic Support for Mitochondrial Inheritance in Parkinson's Disease."
- 1998 Psychiatry Grand Rounds, University of Virginia, Charlottesville, Virginia. "Basic Science and Clinical Diagnostic Approaches to Alzheimer's Disease."
- 1999 University of Virginia Department of Neurology Grand Rounds. "Scientific Basis of Alzheimer's Disease."
- 2000 Psychiatric Medicine Seminar, University of Virginia, Charlottesville, Virginia. "Brain And Behavior – Current Issues."
- 2000 The Medical Center Hour of the University of Virginia, Charlottesville, Virginia. "Disentangling Alzheimer's Disease."
- 2001 University of Virginia Department of Neurology Grand Rounds. "Memory and the Examination of Cognition."
- 2001 University of Virginia Department of Neurology Grand Rounds. "Neurochemistry Review."
- 2002 Geriatric Medicine Basic Science Seminar, Geriatrics Division, University of Virginia. "Mitochondria and Aging."
- 2002 University of Virginia Primary Care Conference: Advances and Controversies in Clinical Care. "Alzheimer's Disease."
- 2003 University of Virginia Student Health General Medicine Continuing Medical Education, Charlottesville, Virginia. "Generating a Neurological Differential Diagnosis".
- 2003 University of Virginia Department of Neurology Grand Rounds. "Neurochemistry of Basal Ganglia Diseases."
- 2003 University of Virginia Department of Neurology Grand Rounds. "Vascular Dementia."
- 2003 University of Virginia Department of Neurology Grand Rounds. "Patient Decision Making: The Role and Responsibility of the Health Care Provider."
- 2004 University of Virginia Department of Neurology Grand Rounds. "Tangled Up in Plaques: Paradigm Wars in Aging and Alzheimer's Disease"
- 2004 University of Virginia Physical Medicine and Rehabilitation Grand Rounds, Charlottesville, Virginia. "The Cognitive Examination".

- 2005 University of Virginia Department of Neurology Grand Rounds. “Oxidative Phosphorylation and Oxidative Stress.”
- 2006 University of Virginia Department of Neurology Grand Rounds. “Is Aging Part of Alzheimer’s Disease, or is Alzheimer’s Disease Part of Aging?”
- 2006 University of Virginia Department of Neurology Grand Rounds. “Alzheimer’s Disease Research and Treatment: Where are We Going?”

2. University of Kansas

- 2007 University of Kansas School of Medicine Department of Biochemistry. “Mitochondria in Alzheimer’s Disease”.
- 2007 University of Kansas School of Medicine Department of Molecular and Integrative Physiology. “Mitochondria in Alzheimer’s Disease”.
- 2008 University of Kansas School of Medicine Department of Neurology. “Frontal Lobe Syndromes and the Neurology of Sociopathy”.
- 2009 The University of Kansas Neuroscience Graduate Program, Lawrence, Kansas. “So You Want to Live Forever and Not Get Alzheimer’s Disease”.
- 2009 The University of Kansas School of Medicine Department of Neurology. “So You Want to Live Forever and Not Get Alzheimer’s Disease”.
- 2009 The University of Kansas Alzheimer and Memory Program. “Alzheimer’s Disease Mitochondrial Research”.
- 2009 The University of Kansas Institute for Neurologic Disorders Translational Discovery Forum. “Alzheimer’s Disease and an Introduction to the KU Alzheimer’s Disease Center”.
- 2008 GCRC Clinical Translational Research Seminar Series, University of Kansas School of Medicine, Kansas City. “Mitochondria in Aging and Neurodegenerative Diseases.”
- 2008 University of Kansas Department of Neurology Grand Rounds. “Frontal Lobe Syndromes and the Neurology of Sociopathy.”
- 2009 University of Kansas Department of Neurology Grand Rounds. “So You Want to Live Forever and Not Get Alzheimer’s Disease.”
- 2009 Alzheimer and Memory Program Research Participant Appreciation Breakfast, University of Kansas School of Medicine. “Recharging Brain Cells – Could it Work in Alzheimer’s Disease?”

- 2010 Molecular and Integrative Physiology Seminar Series, University of Kansas School of Medicine. “Mitochondria in Alzheimer’s Disease.”
- 2010 Missouri Regional Life Sciences Summit, University of Missouri. “Of Mice and Men and the Search for an Alzheimer’s Disease Treatment.”
- 2010 Parkinson’s Foundation of the Heartland, Leawood, Kansas. “Mitochondria in Parkinson’s Disease.”
- 2010 Kansas Medical Education Foundation, Stormont-Vail Medical Center, Topeka, KS. “Alzheimer’s Disease: Where We’ve Been, Where We Are, Where We’re Going”.
- 2010 Central Plains Geriatric Education Center, Kansas City, Kansas. “Dementia: Diagnosis, Management, and Emerging Trends in Research”.
- 2010 The University of Kansas Institute for Neurologic Disorders Translational Discovery Forum. “NMDA Antagonists: A Clinical Perspective”.
- 2010 University of Kansas Department of Neurology Grand Rounds. “Update on Mitochondria in Alzheimer’s Disease.”
- 2011 The University of Kansas Institute for Neurologic Disorders Translational Discovery Forum. “Mitochondria in ALS”.
- 2011 Department of Biochemistry and Molecular Biology, University of Kansas School of Medicine, Kansas City, KS. “Bioenergetic Manipulation”.
- 2011 Clinical and Translational Seminar Series, Kansas University Medical Center, Kansas City, KS. “Alzheimer’s Disease, Mitochondria, and Mitochondrial Medicine”.
- 2011 Kansas University Medical Center Research Institute, Kansas City, Kansas. “The University of Kansas Alzheimer’s Disease Center”.
- 2011 Landon Center on Aging Aging, Health, and Dementia Research Seminar Series, Kansas University Medical Center, Kansas City, Kansas. “Aging, Alzheimer’s Disease, and Mitochondria”.
- 2012 University of Kansas Medical Center, Kansas City, Kansas. “KU Alzheimer’s Disease Town Hall Meeting”.
- 2012 First Annual University of Kansas Alzheimer’s Disease Center Symposium, Kansas City, Kansas. “Bioenergetics: A Possible Cause of AD and Potential Therapeutic Target”.

- 2012 University of Kansas Neurology Grand Rounds, Kansas City, Kansas. “Bioenergetics: A Possible Cause of AD and Potential Therapeutic Target”.
- 2012 University of Kansas Alzheimer’s and Memory Program Appreciation Breakfast, Kansas City, Kansas. “The University of Kansas Alzheimer’s Disease Center”.
- 2012 University of Kansas Nutrition Sciences Graduate Program, Kansas City, Kansas. “Manipulating Brain Bioenergetics”.
- 2012 University of Kansas Medical Center Resident and Post Doc Research Day, Kansas City, Kansas. “Alzheimer’s Disease: The Big Picture”.
- 2012 University of Kansas 2012 Healthy Aging Symposium, Overland Park, Kansas. “Panel Discussion of Speakers”.
- 2012 Annual MD-PhD Symposium, University of Kansas School of Medicine, Kansas City, Kansas. “My Journey as a Physician Scientist”.
- 2012 University of Kansas Neurology Grand Rounds, Kansas City, Kansas. “The Spectrum of Neurodegenerative Dementias”.
- 2013 University of Kansas Neurology Grand Rounds, Kansas City, Kansas. “Bioenergetic Manipulation for the Treatment of Neurodegenerative Diseases”.
- 2013 Laboratory Animal Technician Appreciation Week, University of Kansas Medical Center. “The Connection Between Energy Metabolism and Alzheimer’s Disease.”
- 2013 KUMC American Physician Scientist Association Chapter. “Life as a Physican Scientist”.
- 2013 University of Kansas School of Medicine, MD PHD Program Symposium. “Preparing a Center Grant”.
- 2013 Kansas University Medical Center Integrated Medicine Program, Kansas City, Kansas. “Brain Bioenergetics”.
- 2013 University of Kansas Alzheimer’s Disease Center Symposium, University of Kansas, Kansas City, Kansas. “Manipulating Brain Aging”.
- 2014 University of Kansas Cell Anatomy and Biology Department Seminar Series, Kansas City, KS. “Alzheimer’s Disease, Mitochondria, and Bioenergetic Medicine”.

- 2014 University of Kansas Alzheimer's Disease Center Symposium, University of Kansas, Kansas City, Kansas. "Update on the Alzheimer's Treatment Program".
- 2014 University of Kansas Neurology Grand Rounds, Kansas City, Kansas. "Bioenergetic Medicine for Neurologic Disorders".
- 2014 KUMC Research Seminar Series on Aging, Health, and Dementia, Kansas City, Kansas. "Mitochondrial Medicine for Neurologic Disease.
- 2014 University of Kansas Alzheimer's and Memory Program Appreciation Breakfast, KU Edwards Campus, Overland Park, Kansas. "Bioenergetic Medicine Studies at the University of Kansas Alzheimer's Disease Center".
- 2015 T32 Program Lecture Series, KUMC, Kansas City. "Interfacing Basic and Clinical Research".
- 2015 University of Kansas Alzheimer's and Memory Program Appreciation Breakfast, KU Edwards Campus, Overland Park, Kansas. "The Alzheimer's Treatment Program."
- 2015 University of Kansas Neurology Grand Rounds, Kansas City, Kansas. "Energy Failure and Mitochondrial Cascades in Alzheimer's Disease".
- 2015 KUMC Chapter of the American Physician Scientists Association (APSA). "What is a Physician Scientist?"
- 2015 Society for Neuroscience KC Chapter Annual Retreat/Hoglund Brain Imaging Center Research Colloquium, Kansas City, Kansas. "Neuroimaging-Based Biomarkers of Drug Target Engagement: From Animals to Human."
- 2015 University of Kansas Neurology Grand Rounds, Kansas City, Kansas. "The Bedside Cognitive Exam."
- 2015 The Hildegard Knopp Conference: Diet & Optimal Brain Aging, University of Kansas Medical Center, Kansas City, Kansas. "Using Diet to Manipulate Brain Energy Metabolism."
- 2016 Inaugural Heartland Center for Mitochondrial Medicine Symposium, University of Kansas Medical Center, Kansas City, Kansas. "Mitochondrial in Alzheimer's Disease."
- 2016 University of Kansas Alzheimer's and Memory Program Appreciation Breakfast, KU Edwards Campus, Overland Park, Kansas. "The Alzheimer's Treatment Program."

B. Outside Institutions, National and International Meetings

- 1994 Psychiatry Grand Rounds. Western State Hospital, Staunton, Virginia. "The Role of Mitochondria in Neurodegenerative Diseases".
- 1996 Research Presentation, Massachusetts General Hospital, Boston MA. "Mitochondrial Genetics in Neurodegenerative Diseases".
- 1997 Roundtable Discussant, "What's Killing Neurons in Huntington's Disease". Hereditary Disease Foundation Workshop, Los Angeles, CA.
- 1997 S. Weir Mitchell Award Presentation, American Academy of Neurology Annual Meeting Plenary Session, Boston, MA. "A Genetic Defect in Sporadic Alzheimer's Disease".
- 1997 Neurology Grand Rounds, University of Medicine and Dentistry of New Jersey, New Brunswick, NJ. "Mitochondrial Genetics and Sporadic Neurodegenerative Disease".
- 1997 American Parkinson's Disease Association Symposium, Charlottesville VA. "The Genetics of Parkinson's Disease".
- 1997 The Charlottesville-Piedmont Alzheimer's Association, Charlottesville , VA. "Top Ten Questions from the Memory Disorders Clinic".
- 1997 Oholo 41st Conference for Progress in Alzheimer's and Parkinson's Diseases, Eilat, Israel. "Mitochondrial Pathology in Parkinson's Disease".
- 1998 The Charlottesville-Piedmont Alzheimer's Association, Charlottesville , VA. "Top Ten Questions from the Memory Disorders Clinic".
- 1998 13th Annual Western State Hospital Alzheimer's Disease Conference, Staunton, VA. "Biological Basis of Alzheimer's Disease and Implications for Evaluation of the Patient with Dementia".
- 1999 The Neurologically Impaired Individual Thirteenth Annual Symposium, Richmond, Virginia. "Panel Discussion of Mitochondrial Disorders".
- 1999 14th Annual Western State Hospital Alzheimer's Disease Conference, Staunton, VA. "Akinetic-Rigid Dementia Syndromes".
- 1999 Charlottesville Rotary Club, Charlottesville, VA. "Parkinson's Disease".
- 1999 Mitochondrial Dysfunction and Neurodegeneration Symposium, Experimental Biology National Meeting, Washington DC. "Electron Transport Chain Defects in Mitochondria Isolated from Patients with Parkinson's Disease and Alzheimer's Disease".

- 1999 Annual Meeting for American Parkinson's Disease Association Coordinators and Chapter Presidents, Orlando, Florida. "Recent Advances in Parkinson's Disease".
- 2000 Health, Aging, and Body Composition Steering Committee Meeting and Symposium on Mitochondria and Muscle, National Institute of Aging, Bethesda, Maryland. "Mitochondrial Mutations: Types, Consequences, and Tissue Correlations".
- 2000 Neurology Grand Rounds, George Washington University, Washington DC. "Alzheimer's Disease: Background, Diagnosis, and Management".
- 2000 XIV International Congress of Neuropathology, London, England. "Matrilineal Inheritance in Parkinson's Disease".
- 2000 32nd Virginia Neurologic Society Meeting, Homestead, Virginia. "New Dementias".
- 2000 Sentara Healthcare-Norfolk Hospital Grand Rounds, Norfolk, Virginia. "Alzheimer's Disease: Update on Diagnosis and Treatment".
- 2000 Alzheimer's and Related Diseases Research Award Fund of the Commonwealth of Virginia: Discovering Treatments and Improving the Care of Virginians with Dementia, Richmond, Virginia. "Cytochrome Oxidase in Alzheimer's Disease".
- 2000 Piedmont Geriatric Hospital Grand Rounds, Burkeville, Virginia. "Alzheimer's Disease: Background, Diagnosis, and Management".
- 2000 Salem Veterans Administration Hospital Psychiatry Grand Rounds, Salem, Virginia. "Alzheimer's Disease: Background, Diagnosis, and Management".
- 2000 American Parkinson's Disease Association, Charlottesville Chapter, Charlottesville, Virginia. "Parkinson's Disease Research Update".
- 2000 Southside Regional Hospital Grand Rounds, Petersburg, Virginia. "Alzheimer's Disease: Background, Diagnosis, and Management".
- 2001 Eastern State Hospital Grand Rounds, Williamsburg, Virginia. "Alzheimer's Disease: Background, Diagnosis, and Management".
- 2001 Commonwealth Alzheimer's Disease and Related Disorders Commission, Charlottesville, Virginia. "Mitochondria in Alzheimer's Disease".
- 2001 Virginia Academy of Family Physicians Annual Symposium, Wintergreen, Virginia. "Treatment Options for Dementia".

- 2001 Piedmont Geriatric Hospital Grand Rounds, Burkeville, Virginia. “Evaluating and Treating Decline in Cognitive Function”.
- 2001 Medical College of Virginia Neurology Grand Rounds, Richmond, Virginia. “Alzheimer’s Disease”.
- 2001 16th Annual Western State Hospital Alzheimer’s Symposium, Staunton, Virginia. “Will Studying Human Behavior Reunite Neurology and Psychiatry?”.
- 2001 Washington County Health System Continuing Education Seminar, Hagerstown, Maryland. “Alzheimer’s Update”.
- 2001 William Beaumont Hospital 10th Annual Seminar on Molecular Pathology: DNA Technology in the Laboratory, Royal Oaks, Michigan. “Mitochondrial Dysfunction and DNA in Neurodegenerative Diseases”.
- 2001 Foundation for Advancement of Educational Science (FAES): Trac 21 – Mitochondrial Molecular Biology Workshop, Bethesda, Maryland. “Mitochondrial Disorders: Molecular Lesions, Phenotypes, Mutation Detection, and Approaches to Therapy”.
- 2001 Aging, Memory, and Dementia Conference, Beaufort Memorial Hospital, Beaufort, South Carolina. “Advances in the Diagnosis and Treatment of Alzheimer’s Disease”.
- 2001 Thomas Memorial Hospital and Psi Med Fifth Annual Mountain Retreat, Snowshoe, West Virginia. “Update on Dementia”.
- 2001 American Neurological Association K08-K23 Symposium, Chicago, Illinois. “Mitochondria in Neurodegeneration”.
- 2002 Fourth International Dystonia Symposium, Atlanta, Georgia. “A Novel DDP Gene Mutation That Causes Dystonia in Female Carriers of the Mohr-Tranebjaerg Syndrome”.
- 2002 The 2002 International PSP Research Symposium, Miami, Florida. “Mitochondria in Progressive Supranuclear Palsy”.
- 2002 University of Maryland Neurology Grand Rounds, Baltimore, Maryland. “Alzheimer’s disease”.
- 2002 University of Maryland Department of Anesthesiology and the Neuroprotection Focus Group of the Program in Neuroscience Research Seminar Series, Baltimore, Maryland. “Mitochondrial DNA in Neurodegenerative Diseases”.

- 2002 Kernan Hospital Rehabilitation Grand Rounds, Baltimore, Maryland. "Alzheimer's Disease".
- 2002 St. Mary's Hospital Professional Education Program, Leonardtown, Maryland. "The Diagnosis and Treatment of Alzheimer's Disease: A Clinical Overview".
- 2002 Foundation for Advancement of Educational Science (FAES): Trac 21 – Mitochondrial Molecular Biology Workshop, Bethesda, Maryland. "Mitochondrial Disorders: Molecular Lesions, Phenotypes, Mutation Detection, and Approaches to Therapy".
- 2002 34th Virginia Neurological Society Meeting, Homestead, Virginia. "Case Presentation: New Onset Pedophilia with Visuospatial Dysfunction".
- 2002 34th Virginia Neurological Society Meeting, Homestead, Virginia. "Bedside Neuropsychological Testing".
- 2002 Catawba Hospital Grand Rounds, Roanoke, Virginia. "Alzheimer's Disease".
- 2002 Richmond Psychiatric Society, Richmond, Virginia. "Treating Memory Problems in the Elderly".
- 2002 The 2nd Biennial Conference of the Alzheimer's and Related Diseases Research Award Fund, Richmond, Virginia. "Mitochondria in Alzheimer's Disease".
- 2002 Medical College of Virginia Neurology Grand Rounds, Richmond, Virginia. "Bedside Cognitive Testing".
- 2002 Rockingham Memorial Hospital Continuing Medical Education, Harrisonburg, Virginia. "Alzheimer's Disease".
- 2002 Eastern Virginia Medical School Geriatric Grand Rounds, Norfolk, Virginia. "Mitochondria in Neurodegenerative Diseases".
- 2003 35th Virginia Neurological Society, Homestead, Virginia. "The Neurochemistry of Parkinson's Disease and Basal Ganglia Disorders".
- 2003 Western State Hospital Grand Rounds, Staunton, Virginia. "Bedside Cognitive Testing".
- 2003 Page Memorial Hospital Continuing Medical Education, Luray, Virginia. "Alzheimer's Disease".
- 2003 Montgomery Regional Hospital Continuing Medical Education, Blacksburg, Virginia. "The Treatable Aspects of Alzheimer's Disease".

- 2003 Virginia Geriatric Society, Richmond Virginia. “Dementia: Diagnostic and Management Challenges”.
- 2003 Society for Progressive Supranuclear Palsy: Charlottesville Conference on PSP, Charlottesville, Virginia. “The Latest in PSP Basic Research”.
- 2003 The Fourteenth Annual Virginia Geriatrics Conference, Homestead, Virginia. “Treatment of Patients with Dementia”.
- 2003 Department of Criminal Justice Services & Alzheimer’s Association Chapters of Virginia: Dementia Specific Training for Law Enforcement, Central Shenandoah Training Academy, Weyer’s Cave, Virginia. “Alzheimer’s Disease”.
- 2003 Williamsburg Medical Society, Williamsburg, Virginia. “Alzheimer’s Disease”.
- 2003 Southwestern Virginia Medical Society Spring Conference, Abingdon, Virginia. “Alzheimer’s Disease and the Dementia Syndrome”.
- 2003 Thomas Jefferson University, Philadelphia, PA. “Vascular Dementia”.
- 2003 University of North Carolina Physical Medicine and Rehabilitation Grand Rounds, Chapel Hill, North Carolina. “Evaluation of Cognition”.
- 2003 Eastern Panhandle Medical Society CME, Sheperdstown, West Virginia. “Alzheimer’s Disease: Background, Diagnosis, and Management”.
- 2003 Sentra Health CME Program, Lynchburg, Virginia. “Alzheimer’s Disease: Background, Diagnosis, and Management”.
- 2003 Washington County Hospital Continuing Medical Education, Hagerstown, Maryland. “Alzheimer’s Disease Update”.
- 2004 Alzheimer’s Association Symposium, Charlottesville, Virginia. “Everything You Always Wanted to Know About Alzheimer’s Disease...But Were Afraid to Ask”.
- 2004 Virginia Academy of Family Physicians Annual Meeting, Wintergreen, Virginia. “Diagnosing Dementia: Reducing Uncertainty through the Cognitive Exam”.
- 2004 Washington and Lee University School of Law: Defending a Capital Case in Virginia XVI, Lexington, Virginia. “The Neurologic Basis of Sociopathy”.
- 2004 University of Coimbra, Coimbra, Portugal. “A Mitochondrial Cascade Hypothesis for Sporadic Alzheimer’s Disease”.
- 2004 Alzheimer Research Forum Live Discussion
(<http://www.alzforum.org/res/for/journal/swerdlow/default/asp>)

- “A Mitochondrial Cascade Hypothesis for Sporadic Alzheimer’s Disease”.
- 2004 Thomas Jefferson University, Philadelphia, PA. “Vascular Dementia”.
- 2004 UMDNJ-Robert Wood Johnson School of Medicine, New Brunswick, New Jersey. First Annual Artis Powell Memorial Lecture. “Tangled Up in Plaques: Paradigm Wars in Aging and Alzheimer’s Disease”.
- 2004 Discussant, University of Virginia’s Women’s Health Gathering Symposium, Charlottesville, Virginia.
- 2004 St. Mary’s Hospital Continuing Medical Education, Leonardtown, Maryland. “Alzheimer’s Disease”.
- 2004 Carilion Health System Psychiatric Grand Rounds, Roanoke, Virginia. “Alzheimer’s Disease: Background, Diagnosis, and Management”.
- 2004 Southside Regional Hospital Grand Rounds, Petersburg, Virginia. “Alzheimer’s Disease”.
- 2004 American College of Physicians, Virginia Chapter Scientific Meeting, Williamsburg, Virginia. “Dementia: What Are We Forgetting?”.
- 2004 19th Annual Western State Hospital Alzheimer’s Symposium, Staunton, Virginia. “Tangled Up in Plaques: The Neurobiology of the Aging Brain”.
- 2004 Virginia Dementia Congress, Charlottesville, Virginia. “Mitochondrial Mechanisms in Alzheimer’s Disease”.
- 2005 Virginia Society of Health-System Pharmacists, Shadwell, Virginia. “Alzheimer’s Disease: Background, Diagnosis, and Management”.
- 2005 Eastern Virginia Medical School Geriatric Grand Rounds, Norfolk, Virginia. “Alzheimer’s Disease”.
- 2005 Alzheimer’s Association and Westminster Canterbury Retirement Community, Charlottesville, Virginia. “Aging and Memory: What’s Normal, and When Should I be Worried?”.
- 2005 Virginia Beach General Hospital Grand Rounds, Virginia Beach, Virginia. “Alzheimer’s Disease: Background, Diagnosis, and Management”.
- 2005 Medical College of Virginia Neurology Grand Rounds, Richmond, Virginia. “Frontal Lobe Syndromes”.

- 2005 Biennial University of Virginia Research Retreat, Greenbriar, West Virginia. "Mitochondrial Cascade Hypothesis".
- 2005 American Academy of Neurology 57th Annual Meeting, Miami, Florida. "The Scientific Basis of Neurology: Oxidative Phosphorylation and Oxidative Stress".
- 2005 Ohio State University / Mount Carmel Medical Center Internal Medicine Grand Rounds, Columbus, Ohio. "Bedside Examination of Cognition".
- 2005 University of Kansas School of Medicine, Neurology Grand Rounds, Kansas. "Tangled Up in Plaques: Paradigm Wars in Aging and Alzheimer's Disease".
- 2005 Oregon Health and Science University, Portland, Oregon. "The Mitochondrial Cascade Hypothesis".
- 2005 Pennsylvania State University Neuroscience Grand Rounds, Hershey, Pennsylvania. "The Mitochondrial Cascade Hypothesis".
- 2005 Pennsylvania State University Neurology Grand Rounds, Hershey, Pennsylvania. "Alzheimer's Disease: Background, Diagnosis, Management".
- 2005 American Congress of Rehabilitation Medicine-American Society of Neurorehabilitation Joint Conference, Chicago, Illinois. "Neurodegeneration in Alzheimer's Disease: Implications for Cognitive Rehabilitation and CNS Regeneration".
- 2006 The Fourth Military Medical University, Xi'an, China. Sixth Xijing International Symposium in Aging and Age-Related Diseases. "Mitochondrial Function and Dysfunction in Aging and Alzheimer's Disease".
- 2006 VIIth International Conference on Brain Energy Metabolism, Lausanne, Switzerland. "Mitochondria in Cybrids Containing mtDNA from Persons with Mitochondriopathies".
- 2006 Charles D. Peebler 2006 International PSP Research Symposium, Atlanta, Georgia. "Mitochondria in PSP".
- 2006 American Academy of Neurology 58th Annual Meeting, San Diego, CA. "The Scientific Basis of Neurology: Oxidative Phosphorylation and Oxidative Stress".
- 2006 Penn State Neurology "Neurology for the Non-Neurologist" Seminar. Hershey, Pennsylvania. "Alzheimer's Disease".
- 2006 University of Kentucky, Lexington, Kentucky. "Mitochondria in Aging and Neurodegeneration".

- 2006 Kansas University Medical Center, Kansas City, Kansas. “Is Aging Part of Alzheimer’s Disease, or is Alzheimer’s Disease Part of Aging?”.
- 2006 Alzheimer’s Association and Colonnades Retirement Community, Charlottesville, Virginia. “Aging and Memory: What’s Normal, and When Should I be Worried?”.
- 2006 Virginia Commonwealth University New Innovations in Long Term Care Conference, Richmond, Virginia. “Update on Dementia”.
- 2006 Lynchburg College – Beard Center on Aging 2006 Annual Conference on Aging, Lynchburg, Virginia. “Alzheimer’s Disease: Taking the Mystery Out of the Assessment Process”.
- 2006 Alzheimer’s Disease Demonstration Grants to States (ADDGS) Site Visit for Labor, Health & Human Services, Education & Related Agencies Appropriations Subcommittees of the U.S. Senate and House of Representatives, James Madison University, Harrisonburg, Virginia. “The Virginia Alzheimer’s Commission AlzPossible Initiative”.
- 2006 Medical College of Virginia Neurology Grand Rounds, Richmond, Virginia. “Is Aging Part of Alzheimer’s Disease, or is Alzheimer’s Disease Part of Aging”.
- 2006 Sentara Mental Health Management Annual Symposium, Richmond, Virginia. “Alzheimer’s Disease”.
- 2006 Alzheimer’s Association and Westminster Canterbury Retirement Community, Charlottesville, Virginia. “Alzheimer’s Disease: Life After Diagnosis”.
- 2007 Alzheimer’s Association Piedmont Chapter Presentation, Charlottesville, Virginia. “The Alzheimer’s Disease Assessment Process”.
- 2007 Blue Ridge Chapter of the National Gerontological Nursing Association: The Fifth Annual Conference on Aging, Roanoke, Virginia. “When MCI Converts to Dementia”.
- 2007 Carilion 19th Annual Geriatric Medicine Conference, Roanoke, Virginia. “Differential Diagnosis of Dementia”.
- 2007 Lewis-Gale Clinic CME Lecture, Salem, Virginia. “Alzheimer’s Disease and the Dementia Syndrome”.
- 2007 Joint Commission on Health Care, General Assembly of the Commonwealth of Virginia, Richmond, Virginia. “Virginia Alzheimer’s Disease and Related Disorders Commission 2007 Report: Focus on Respite Care”.

- 2007 Medical College of Virginia Neurology Grand Rounds, Richmond, Virginia. “Mitochondria and Alzheimer’s Disease”.
- 2007 New York University School of Medicine, NYC, NY. “Mitochondrial Function and Dysfunction in Aging and Alzheimer’s Disease”.
- 2007 15th Annual Cambridge Healthtech Institute Nucleic Acid-Based Technologies Conference, Baltimore, Maryland. “Mitochondrial DNA Analysis by Pseudogene Ratioing”.
- 2007 Progressive Supranuclear Palsy/Corticobasal Degeneration Genetics Program Whole Genome Association Study Executive Session, Los Angeles, California.
- 2007 Fifth International Congress on Vascular Dementia, Budapest, Hungary. “Systemic Metabolic Abnormalities in Alzheimer’s Disease”.
- 2008 46th IOC - International Course on High-Resolution Respirometry, Schroecken, Austria. “Cybrid Modeling of Human Mitochondriopathies”.
- 2009 Seaquest 2008, Second Annual XF Users Meeting, Wentworth by the Sea, New Hampshire. “Cybrid Studies of Human Mitochondriopathies”.
- 2008 Kansas Medical Education Foundation Grand Rounds, Topeka, Kansas. “Bedside Evaluation of Cognition”. “Frontal Lobe Syndromes”. (Double Lecture)
- 2009 Medivation, Inc., San Francisco, California. “The Neurodegenerative Mitochondriopathies”.
- 2009 Barrow Neurological Institute, Phoenix, Arizona. “Mitochondria in Alzheimer’s Disease”.
- 2009 Louisiana State University, Pennington Biomedical Research Center, Baton Rouge, Louisiana. “Alzheimer’s Disease Drug Development” and “So You Want to Live Forever and Not Get Alzheimer’s Disease...”.
- 2009 2009 Annual CurePSP Outreach & Education Conference, Chicago, Il. “The CurePSP Research Program”.
- 2009 Pfizer/Medivation Dimebon (Latrepiridine) Pharmacology Meeting, New London, Connecticut. “Effects of Dimebon on Mitochondrial Respiration”.
- 2009 Louisiana State University, Pennington Biomedical Research Center, Baton Rouge, Louisiana. First Annual Institute on Dementia Research and Prevention Conference. “Alzheimer’s Disease Clinical Trials”.
- 2009 Seahorse Webinar Series. “Cybrid Studies of Sporadic Neurodegenerative

Mitochondriopathies”.

- 2009 World Federation of Societies of Biological Psychiatry 9th International Congress of Biological Psychiatry, Paris, France. “Neurobiology of Alzheimer’s disease: Beyond the Amyloid Hypothesis”.
- 2009 Charles D. Peebler, Jr. PSP and CBD Genetics Program Consortium Meeting, Philadelphia, PA (Roundtable discussant)
- 2009 Hill’s Pet Nutrition, Topeka, Kansas. “Mitochondria in Aging and Neurodegenerative Diseases”.
- 2010 New York University School of Medicine, New York, New York. The First Annual Michael L. Freedman Memorial Lecture. “Mitochondria in Alzheimer’s disease”.
- 2010 Louisiana State University Institute for Dementia Research and Prevention, Shreveport Public Forum, Shreveport, Louisiana. “Development of New Treatments for Alzheimer’s Disease”.
- 2010 Repligen Corporation, Boston, MA. “Mitochondria and Disease”.
- 2010 Eisai International Symposium on Mitochondria in Neurodegeneration, London, England. “Mitochondria as Therapeutic Targets in Neurodegenerative Disease Drug Development”.
- 2011 University of Coimbra Center For Neuroscience and Cell Biology, Coimbra, Portugal. “Mitochondria in Alzheimer’s Disease”.
- 2011 Neurology Grand Rounds, University of Virginia, Charlottesville, Virginia. “Cell Bioenergetics: A Potential AD Therapeutic Target?”.
- 2011 Southeast Kansas State Medical Society CME Meeting, Coffeyville, KS. “Diagnosing Alzheimer’s Disease”.
- 2011 Flint Hills Medical Society CME Meeting, Newman Regional Health Center, Emporia, KS. “Diagnosing Alzheimer’s Disease”.
- 2011 Via Christi Hospital CME Meeting, Pittsburg KS. “Diagnosing Alzheimer’s Disease”.
- 2011 MissouriCures, Kansas City, Missouri. “The Quest for Cures: Stem Cells and a Healthier Tomorrow”.
- 2011 Kansas City University of Medicine and Biosciences, Kansas City, Missouri. “Cell Bioenergetics: A Potential AD Therapeutic Target?”.

- 2011 University of Missouri - Kansas City, Kansas City, Missouri. “Cell Bioenergetics: A Potential AD Therapeutic Target?”.
- 2011 International Neuroethics Society Annual Meeting, Washington, DC. “The Neurologic Basis of Sociopathy”.
- 2012 Biophysical Society Annual Meeting, San Diego, California. “Mitochondria in Sporadic Neurodegenerative Diseases”.
- 2012 Alzheimer’s Association “Let’s Get Real About Non-Amyloid Targets” International Symposium, Washington DC. “Mitochondrial Medicine for Alzheimer’s Disease”.
- 2012 13th International Conference on Alzheimer’s Drug Discovery. “Brain Bioenergetics and Aging: Therapeutic Strategies for Intervention”.
- 2012 University of Kansas Neurology Update Symposium, Overland Park, Kansas. “The Spectrum of Neurodegenerative Dementias”.
- 2012 Alzheimer’s Association Heartland Chapter Symposium, Overland Park, Kansas. “Alzheimer’s Disease Research at the University of Kansas Alzheimer’s Disease Center”.
- 2013 Kansas City Sertoma Group Bimonthly Meeting, Kansas City, Missouri. “Alzheimer’s Disease Research at the University of Kansas Alzheimer’s Disease Center”.
- 2013 2013 Oxidative Stress and Diseases Gordon Research Conference, The Metabolic-Inflammatory Axis in Brain Aging and Alzheimer’s Disease, Des Diablerets, Switzerland. “Mitochondria, Brain Aging, and Alzheimer’s Disease”.
- 2013 University of Denver, Denver, Colorado. Marisco Visiting Scholar Presentation. “Mitochondria in Alzheimer’s Disease”.
- 2013 NIH-sponsored Advanced Course, Frontiers in Aging and Regeneration Research: Translating MSTEM in Aging Research from the Lab to the Clinic and Beyond. New Orleans, Louisiana. “Brain Aging and Alzheimer's Disease.”
- 2013 Community of Reason Society, University of Missouri Kansas City, Kansas City, Missouri. “Brain Aging, Alzheimer’s Disease, and Their Treatment”.
- 2013 Sanitarium Corporate Board, Baltimore, Maryland. “Brain Aging and Dementia”.
- 2013 University of Alabama, Birmingham, Alabama. “Mitochondria, Alzheimer’s Disease, and Bioenergetic Medicine”.

- 2013 Community of Reason Society, University of Missouri Kansas City, Kansas City, Missouri. “Mitochondria”.
- 2013 University of Missouri, Kansas City. “Mitochondria, Brain Aging, and Alzheimer’s Disease”.
- 2013 Kansas Medical Education Foundation Grand Rounds, Topeka, Kansas. “The Neurodegenerative Dementias/The University of Kansas Alzheimer’s Center”.
- 2013 Kansas City Southwest Clinical Society 2013 Meeting, Overland Park, Kansas. “Alzheimer’s Disease and Healthy Brain Aging”.
- 2014 NIH-sponsored Advanced Course, Frontiers in Aging and Regeneration Research: Translating MSTEM in Aging Research from the Lab to the Clinic and Beyond. Atlanta, Georgia. “Brain Aging and Alzheimer's Disease”.
- 2014 International Alzheimer’s Disease Conference 2014, University of Hong Kong, Hong Kong, China. “Bioenergetics, Brain Aging, and Alzheimer’s Disease”.
- 2014 Community of Reason Society, University of Missouri Kansas City, Kansas City, Missouri. “The KU ADC Alzheimer’s Treatment Program”.
- 2014 NIH Common Fund Workshop on Exercise and Mitochondrial Energetics, NIH Webinar presentation. “Response of non-Muscle Tissue Mitochondria to Physical Activity”.
- 2015 Chronic HIV infection and Aging In NeuroAIDS (CHAIN) Center Fifth Annual HIV, NeuroAIDS and Aging Colloquium, University of Nebraska Medical Center, Omaha, Nebraska. “Brain Aging, Alzheimer’s, and Mitochondria”.
- 2015 NIH-sponsored Advanced Course, Frontiers in Aging and Regeneration Research: Translating MSTEM in Aging Research from the Lab to the Clinic and Beyond. Marine Biological Laboratory, Woods Hole, MA. “Brain Aging and Alzheimer's Disease”.
- 2015 University of Missouri at Kansas City, Kansas City, Missouri “Energy Failure and Mitochondrial Cascades in Alzheimer’s Disease.”
- 2015 Northwestern University, Chicago, Illinois. “Energy Failure and Mitochondrial Cascades in Alzheimer’s Disease.”
- 2015 Fall Alzheimer’s Disease Centers Directors Meeting, Scientific Symposium, Chicago, Illinois. “Energy Failure and Mitochondrial Cascades in Alzheimer’s Disease.”

- 2015 The American Physiological Society First International Conference on Physiological Bioenergetics; From Bench to Bedside, Tampa, Florida. "Mitochondrial Biomarkers for Neurodegenerative Diseases."
- 2015 Philanthropic Educational Organization (P.E.O.) Kansas City Chapter, Northlands, Kansas City, Missouri. "The KU Alzheimer's Disease Center."
- 2015 UMKC SPARK (Senior Peers Actively Renewing Knowledge). Kansas City, Missouri. "Alzheimer's Disease and Brain Aging."
- 2015 Health and Human Services Conference: The Fight Against Alzheimer's Disease: Research, Prevention, and Community. Kansas City, Kansas. "Developing New AD Treatments."
- 2015 Healthy Aging Coalition of Kansas City (HACKC), St. Joseph's Medical Center, Kansas City, Missouri. "Alzheimer's Disease and the KU Alzheimer's Disease Center."
- 2016 Seahorse Biosciences International Webinar. "Characterization of Potential Bioenergetic Medicine Agents."
- 2016 NIH-sponsored Advanced Course, Frontiers in Aging and Regeneration Research: Translating MSTEM in Aging Research from the Lab to the Clinic and Beyond. Xavier University, New Orleans, LA. "Brain Aging and Alzheimer's Disease."
- 2016 Alzheimer's Association International Conference, Toronto, Canada. "History of the Metabolic Hypothesis and Role of Mitochondrial Defects in AD."
- 2016 Kansas City Neurological Society, Kansas City, Missouri. "Chronic Traumatic Encephalopathy."
- 2016 Iowa State University, Department of Biomedical Sciences. "Bioenergetic Dysfunction and Mitochondrial Cascades in Alzheimer's Disease."
- 2016 Fifth Global Symposium on Ketogenic Therapies, Banff, Canada. "The Case for Bioenergetic Manipulation for the Treatment of Alzheimer's Disease."
- 2016 American Neurological Association Annual Meeting, Baltimore, MD. Session Workshop Moderator and Panel Participant for "Are Alzheimers and Parkinson's Diseases of Childhood?"
- 2016 Society for Neuroscience National Meeting, San Diego, CA. "Meet the Expert Series: Russell Swerdlow, MD: Mitochondria and Bioergetics in Alzheimer's Disease."

- 2016 International DAMPS Society First Annual Meeting, Guanajato, Mexico. “Mitochondrial DAMPs and Alzheimer’s Disease.”
- 2016 Claude D. Pepper Older Americans Independence Centers (OAIC)/Alzheimer’s Disease Researchers Workshop, Bethesda, Maryland. “Mitochondrial Function in Dementia and other Impairments.”
- 2016 Accera, Inc. National Webinar. “History of the Metabolic Hypothesis and Role of Mitochondrial Defects in AD.”
- 2017 UMKC Department of Pharmacology and Toxicology, Kansas City, MO. . “Mitochondria and Bioenergetics in Alzheimer’s Disease.” (Invited)
- 2016 St. Louis University Department of Neurology Grand Rounds, St. Louis, MO. “Mitochondria in Neurodegenerative Diseases.” (Invited)

C. Other

- 2002-06 Preceptor, Society for Neuroscience Brain Awareness Week
Albemarle and Green County School Systems, Virginia
- 2001 Press and radio interviews on paraphilia and frontal lobe damage for: New Scientist (England), VG multimedia (Norway), Tages Anzeiger (Switzerland), Science & Vie (France), Deutschlandfunk (Germany), Corriere della Sera (Italy), BBC (Britain), Skye News (Ireland)
- 2001 Vascular Dementia Radio Media Tour, National Stroke Association (taped and live interviews with 18 radio stations throughout the United States, 2/19/03).
- 2005 Interviewed for CNN documentary discussing frontal lobe regulation of impulse control
- 2005 Interviewed on Alzheimer’s disease for WCHV newsradio
- 2006 Featured in TigerAspect documentary on frontal lobe damage-behavior correlations
- 2006 New Faculty Orientation Panel Member: The Promotion and Tenure Process
- 2011 Interviewed by BBC on “Neuromorality”
- 2012 Interviewed for “PhilosophyTalk” (aired on NPR affiliates) on “Neuroscience and the Law”
- 2013 Medscape Panelist for Educational Video, “Brain Glucose Hypometabolism, Ketosis, and Alzheimer Disease: From Controversy to Consensus. “Ketone Bodies for the Treatment of Alzheimer’s Disease”.

- 2014 Featured in Ciné Qua Non Films International inc./Les Productions Lustitia Inc. documentary on neuromorality
- 2014 Interviewed for “The Mysterious Link Between Music and Memory”, Central Standard Show, KCUR (NPR Affiliate)
- 2015 Featured in Canadian Broadcasting Company documentary on frontal lobe damage-behavior correlations

XV. Bibliography

A. Peer reviewed manuscripts

- [1] **Swerdlow R**, Marcus DL, Landman J, Kooby D, Frey W, Freedman ML. Brain glucose metabolism in Alzheimer's disease. Am J Med Sci 1994;308:141-144.
- [2] Smith TS, **Swerdlow RH**, Parker WD, Bennett JP. Reduction of MPP+-induced hydroxyl radical formation and nigrostriatal MPTP toxicity by inhibiting nitric oxide synthase. Neuroreport 1994;5:2598-2600.
- [3] **Swerdlow, RH**, Hanna GR. Behcet's Disease: Presentation with sagittal sinus thrombosis diagnosed noninvasively. Headache 1996;36:115-118.
- [4] **Swerdlow RH**, Parks JK, Miller SW, Tuttle JB, Trimmer PA, Sheehan JP, Bennett JP, Davis RE, Parker WD. Origin and functional consequences of the complex I defect in Parkinson's disease. Ann Neurol 1996;40:663-670.
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- [6] Sheehan JP, **Swerdlow RH**, Miller SW, Davis RE, Tuttle JB. Altered calcium homeostasis and reactive oxygen species production in cells transformed by Alzheimer's disease mitochondrial DNA. J Neurosci 1997;17:4612-4622.
- [7] **Swerdlow RH**, Parks JK, Cassarino DS, Maguire DJ, Maguire RS, Bennett JP, Parker WD. Cybrids in Alzheimer's disease: A cellular model of the disease? Neurology 1997;49:918-925.
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- [9] Parker WD Jr, **Swerdlow RH**. Mitochondrial dysfunction in idiopathic Parkinson disease. Am J Hum Gen 1998;62:758-762.
- [10] **Swerdlow RH**. Is NADH effective in the treatment of Parkinson's disease? Drugs and Aging, 1998;13:263-268.
- [11] **Swerdlow RH**, Parks JK, Davis JN, Cassarino DS, Trimmer PA, Currie LJ, Dougherty J, Bridges S, Bennett JP, Wooten GF, Parker WD. Matrilineal inheritance of complex I dysfunction in a multigenerational Parkinson's disease family. Ann Neurol 1998;44:873-881.
- [12] Cassarino DS, **Swerdlow RH**, Parks JK, Davis WP Jr, Bennett JP Jr. Cyclosporin A increases resting mitochondrial membrane potential in SY5Y cells and reverses the depressed mitochondrial membrane potential of Alzheimer's disease cybrids. Biochem Biophys Res Comm 1998;248:168-173.
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- [14] **Swerdlow RH**, Parker WD Jr. Mitochondrial Pathology in Parkinson's Disease and Potential Implications for Therapeutic Intervention. Drug Dev Res 1999;46:44-50.
- [15] **Swerdlow RH**, Binder D, Parker WD. Risk factors for schizophrenia. New Engl J Med 1999;340:371-372.
- [16] Caldwell SH, **Swerdlow RH**, Kahn EM, Iezzoni JC, Hespeneide EE, Parks JK, , Parker WD Jr. Mitochondrial abnormalities in non-alcoholic steatohepatitis. Journal of Hepatology 1999;31:430-434.
- [17] **Swerdlow RH**, Parks JK, Cassarino DC, Schilling AT, Bennett JP Jr, Harrison MB, Parker WD Jr. Characterization of cybrid cell lines containing mtDNA from Huntington's disease patients. Biochem Biophys Res Comm 1999;261:701-704.
- [18] Parker WD Jr, **Swerdlow RH**, Parks JK, Davis JN II, Trimmer P, Bennett JP, Wooten GF. Parkinson Disease in Twins. JAMA 1999;282:1328-1329.
- [19] Ghosh SS, **Swerdlow RH**, Miller SW, Sheeman B, Parker WD Jr, Davis RE. Use of cytoplasmic hybrid lines for elucidating the role of mitochondrial dysfunction in Alzheimer's disease and Parkinson's disease. Ann NY Acad Sci 2000;893:176-191.
- [20] Trimmer PA, **Swerdlow RH**, Parks JK, Miller SW, Davis RE, Parker WD Jr. Abnormal mitochondrial morphology in sporadic Parkinson's and Alzheimer's disease cybrid lines. Experimental Neurology 2000;162:37-50.

- [21] Cassarino DS, Halvorsen EM, **Swerdlow RH**, Abramova NN, Parker WD, Sturgill TW, Bennett JP. Interaction among mitochondria, mitogen-activated protein kinases, and nuclear factor-kappa B in cellular models of Parkinson's disease. J Neurochem 2000;74:1384-1392.
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- [23] **Swerdlow RH**, Parks JK, Pattee G, Parker WD Jr. Role of mitochondria in amyotrophic lateral sclerosis. Amyotrophic Lateral Sclerosis and other Motor Neuron Disorders 2000;1:185-190.
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- [42] **Swerdlow RH**, Redpath GT, Binder DR, Davis JN II, VandenBerg SR. Mitochondrial DNA depletion analysis by pseudogene ratioing. J Neurosci Methods 2006;150:265-271.
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