

**Research Grant Recipients 1997-2008**

**2008**

***Mapping Progressive Neurodegeneration in PSP using Transcranial Magnetic Stimulation and CSF-TAU***

David Williams, PhD, FRACP  
Faculty of Medicine (Neuroscience)  
Monash University (Alfred Hospital Campus)  
Postal: Neurology Department, Alfred Hospital  
Commercial Road, Melbourne, 3004  
Australia

Funded by the Eva Freeman Memorial Fund

***Phenotypic Characterization of Tauopathy Zebrafish***

Edward A. Burton, M.D.  
University of Pittsburgh  
Department of Neurology  
3501 Fifth Avenue  
7015 Biomedical Science Tower 3  
Pittsburgh, PA 15260

***Toward a Molecular Understanding of Tau Misfolding***

Martin Margittai, PhD  
Assistant Professor  
Department of Chemistry and Biochemistry  
University of Denver  
2190 East Iliff Avenue  
Olin Hall, Room 202  
Denver, CO 80208

***Noninvasive Cortical Stimulation for Motor and Non-motor features of PSP and CBD***

Allan D. Wu, M.D.  
University of California, Los Angeles  
710 Westwood Plaza  
Los Angeles, CA 90095

***Unilateral Pedunculopontine Deep Brain Stimulation in PSP***

Elena Moro, M.D. PhD  
Movement Disorders Center  
Toronto Western Hospital  
399 Bathurst Street McL7-402  
Toronto, Ontario M5T 2S8  
Canada

**2007**

***Unraveling Multi-Protein Chaperone Complexes in PSP and Other Tauopathies***

Chad Dickey, PhD  
Assistant Professor  
Department of Molecular Pharmacology and Physiology  
College of Medicine  
University of South Florida  
12901 Bruce B. Downs Blvd. MDC 2516  
Tampa, FL 33612

*Funded by the Peebler PSP Research Foundation*

***Longitudinal Prospective PSP Study***

Irene Litvan, MD  
Raymond Lee Leiby Professor of Parkinson Disease Research  
Director, Movement Disorder Program  
University of Louisville School of Medicine  
Department of Neurology, Building A, Room 113  
500 South Preston Street  
Louisville, KY 40202

*Funded by the Peebler PSP Research Foundation*

***Haplotype Regulation of Alternative Splicing at the MAPT Locus***

Richard Wade-Martins MA D.Phil  
University Lecturer and Fellow of Christ Church  
Department of Physiology, Anatomy and Genetics  
Le Gros Clark Building  
University of Oxford  
South Parks Road  
Oxford OX1 3QX United Kingdom

*Funded by the Peebler PSP Research Foundation*

**Research Grant Recipients 1997-2008**

***Tau Aggregation in Oligodendrocytes and the Role of Thrombin Signaling***

Christiane Richter-Landsberg, Prof. Dr.  
Department of Biology, Molecular Neurobiology  
University of Oldenburg  
Oldenburg, Germany  
*Funded by the Peebler PSP Research Foundation*

***Inhibition of Tau Pathology in Transgenic Mouse Models with an Optimized Orally Active Tau Kinase Inhibitor***

Hanno Roder, Ph.D  
Mayo Clinic Jacksonville  
Jacksonville, FL  
*Funded by the Peebler PSP Research Foundation*

***Strength Training Patients with PSP for Dysphagia***

Christine Sapienza, Ph.D  
Professor and Chair  
Communication Sciences and Disorders/Movement Disorders Center  
University of Florida  
Gainesville, FL  
*Funded by the Peebler PSP Research Foundation*

***Eloise H. Troxel Brain Bank***

Dennis W. Dickson, M.D.  
Mayo Clinic Jacksonville  
Jacksonville, FL

**2006**

***Studies of PSA Neuroprotective Role using Transgenic Mouse Models***

Stanislav L. Karsten, PhD  
Assistant Professor Research Neurologist  
University of California  
Los Angeles, CA  
*Funded by the Fred & Mabel R. Parks Foundation, Sugarland, TX*

***Hypothesis-driven Gene Profiling in an Animal Model of PSP***

Ronald L. Klein, PhD  
Assistant Professor  
LSU Health Sciences Center  
Shreveport, LA  
*Funded by the Harkins Foundation, Corpus Christi, TX*

***Interaction of Neuronal and Glial Tau in a Drosophila Model of Tauopathy***

Mel B. Feany, MD, PhD  
Associate Professor of Pathology  
Brigham and Women's Hospital  
Boston, MA  
*Funded by Ms. Eva Howarth, Oakland, CA*

***Finemapping of Risk Loci for PSP Identified in a Genome-Wide Scan***

Michael Hutton, PhD  
Consultant and Professor  
Mayo Clinic College of Medicine  
Jacksonville, FL  
*Funded by the Eva Freeman Memorial Fund, Miami, FL*

***Parkin and Tau Mutational Effects on Tangle Formation in PSP***

Parvoneh Navas, PhD  
Assistant Professor  
University of Washington School of Medicine  
Seattle, WA  
*Funded by the Elayne & Benno Hurwitz Fund, Baltimore, MD*

***Eloise H. Troxel Brain Bank***

Dennis W. Dickson, MD  
Mayo Clinic  
Jacksonville, FL

**Research Grant Recipients 1997-2008**

**2005**

*All grants funded by the CurePSP General Research Fund*

***A Zebrafish Model of Tauopathy***

Edward Burton, MD  
Assistant Professor  
University of Pittsburgh  
Pittsburgh, PA

***Proteomics Analysis of a Novel Murine Model of Astrocytic Tau Pathology in PSP***

Mark S. Forman, MD, PhD  
Assistant Professor of Pathology & Laboratory  
Medicine  
University of Pennsylvania School of Medicine  
Philadelphia, PA

***Effects of Coenzyme Q10 in PSP: A Randomized, Multicenter, Placebo-Controlled, Double Blind Study***

Diana Apertauerova, MD  
Lahey Clinic  
Burlington, MA

***Do PSP Associated TAU Polymorphisms Alter the Expression of the TAU Microtubule Binding Domain***

Hana N. Dawson, PhD  
Assistant Research Professor  
Duke University Medical Center  
Durham, NC

***Inhibiting Transglutaminase Splice Variants for the Treatment of PSP***

Nancy Muma, PhD  
Professor of Pharmacology  
Loyola University Chicago  
Maywood, IL

***AKT-dependent Signaling in PSP and Transgenic Mouse Model of Tauopathy***

Hanna Ksiezak-Reding, PhD  
Mount Sinai School of Medicine  
New York, NY

**2004**

***Assessment of tau protein isoform profile in cerebrospinal fluid of tauopathy patients as a potential diagnostic biomarker***

Rohan de Silva, DPhil(Oxon)  
University College London  
London

***Proteome Analysis of a Transgenic Mouse Model of Tauopathy***

Shu-Hui Yen, Ph.D.  
Consultant and Professor  
Department of Neuroscience  
Mayo Clinic  
Jackson, FL

***Heat Shock Proteins as Inhibitors of Tau Aggregation in Oligodendrocytes***

Christiane Richter-Landsberg, MD  
Department of Biology  
University of Oldenburg  
Germany

***Proteomic Analysis of Post Mortem PSP Brain***

Benoit Giasson, Ph.D.  
Assistant Professor  
University of Pennsylvania  
Philadelphia, PA

***Identification of Compounds that Modulate Exon 10 Splicing in the Tau Gene***

Jianhua Zhou, Ph.D.  
Assistant Professor  
UMass Medical School  
Worcester, MA

***PSP and a Failing Ubiquitin-Proteasome System***

Dr. F.W. Van Leeuwen  
Netherlands Institute for Brain Research  
The Netherlands

**Research Grant Recipients 1997-2008**

**2003**

***Genetic analysis of 17q21 region in sporadic tauopathies***

Alison M. Goate, D. Phil.  
 Washington University School of Medicine  
 St. Louis, MO

***Development and characterization of a novel experimental model of Progressive Supranuclear Palsy***

Etienne C. Hirsch, Ph.D.  
 Hopital de la Salpetriere  
 Paris, France

***Aging effects and gene therapy in a novel nigrostriatal degeneration model***

Ronald L. Klein  
 LSU Health Sciences Center  
 Shreveport, LA

***Refining the genetic and functional role of the tau H1 haplotype in neurodegeneration***

Matt Farrer, Ph.D.  
 Mayo Clinic  
 Jacksonville, FL

***Formation filamentous tau inclusions in human cells with inducible expression of tau proteins***

Shu-Hui Yen, Ph.D.  
 Mayo Clinic  
 Jacksonville, FL

***Diagnostic Protein Biomarker Discovery in Progressive Supranuclear Palsy***

Lap Ho, Ph.D.  
 Mount Sinai School of Medicine  
 New York, NY

***mRNA profiling in the post-mortem PSP brain: target identification***

Sarah J. Augood, Ph.D.  
 Massachusetts General Hospital  
 Boston, MA

***Identification of cis-elements that regulate exon 10 splicing in the tau gene***

Jianhua Zhou, Ph.D.  
 University of Massachusetts Medical School  
 Worcester, MA

***Hyperphosphorylation, Tau Filaments and Neurodegeneration in a Transgenic Mouse Model of a Human Tauopathy***

Maria Grazia Spillantini, Ph.D.  
 Cambridge, UK

**2002**

***Cross-linking of Tau in PSP Neurofibrillary Tangles***

Nancy A. Muma, Ph.D.  
 Loyola University Medical School  
 Maywood, IL

***Prehistory of PSP: bibliographic search and copying***

Professor Dott Adolfo Brusa  
 Primario Emerito  
 Ospedalia Galliera  
 Italy

***Characterization of TauAuto-antibodies in progressive supranuclear palsy***

James W. Tetrad, M.D.  
 Laurel M. Bolin, Ph.D.  
 The Parkinson's Institute Research  
 and Treatment Center  
 Sunnyvale, CA

***Screening of TauMutation in a Unique PSP Family***

Rong Chen, M.D., Ph.D.  
 The Parkinson's Institute  
 Basic Research  
 Sunnyvale, CA

**Research Grant Recipients 1997-2008**

***Analysis of the 17q21 Region in PSP, Tau Gene Analysis in Parkin's Disease Dementia and in other Atypical Parkinsonisms***

Eduardo Tolosa, M.D., Ph.D.  
 Neurology Service, Hospital Clinic  
 Barcelona, Spain

***Cortical and Striatal Cholinergic Receptor Subtypes in PSP, Alzheimer's Disease and Dementia with Lewy Bodies***

David J. Burn, M.D.  
 Newcastle General Hospital  
 Regional Neurosciences Centre  
 Newcastle upon Tyne

***Development of a Measure of Health-Related Quality of Life PSP***

Anette Schrag, M.D., Ph.D.  
 Department of Motor Neurosciences  
 and Movement Disorders  
 University College London  
 London

***Glial Tau Aggregates in PSP and Human Cultured Cells***

Hanna Ksiezak-Reding, Ph.D.  
 Department of Psychiatry  
 Mount Sinai School of Medicine  
 New York, NY

**2001**

***Dopa-resistant Parkinsonism in Guadeloupe: Evaluation of Isoquinolines Derivates and Acetogenines Toxicity in Rats***

Dominique Caparros-Lefebvre, M.D., Ph.D.  
 University Hospital, Guadeloupe, France

***MRNA Profiling in the Post-Mortem PSP Brain: Identifying***

Abnormal Signaling Pathways  
 Sarah Jane Augood, Ph.D.  
 Massachusetts General Hospital

***Comparison of Region Specific MRNA Expression Profiles of PSP Brains with those of Alzheimer, FTDP-17, Pick Disease And Non Affected Brains, using DNA Microarray Technology***

Vincenzo Bonifati, M.D.  
 Peter Heutink, Ph.D.  
 Erasmus University Rotterdam,  
 The Netherlands

***Mechanisms Regulating Neurofibrillary Tangle Formation In PSP***

Nancy A. Muma, Ph.D.  
 University of Washington  
 Seattle, WA

***Tau Auto-Antibody Production in PSP***

James W. Tetrad, M.D.  
 Laurel M. Bolin, Ph.D.  
 The Parkinson's Institute  
 Research and Treatment Center  
 Sunnyvale, CA

***Regulation of Human Tau Gene Expression and its Role in PSP***

Jane Wu, Ph.D.  
 Washington University School of Medicine  
 St. Louis, MO

***Characterization of the Molecular Mechanism Leading to PSP***

Dr. Justo Garcia de Yébenes Prous  
 Fundacion Jimenez Diaz  
 Madrid, Spain

***Interaction of Parkin Protein with Abnormal Tau***

Paul S. Fishman M.D., Ph.D.  
 University of Maryland School of Medicine  
 Baltimore, MD

***Finding the Cause and Effect of a Bioenergetic Defect in PSP***

David S. Albers, Ph.D.  
 Weill Medical College of Cornell University  
 New York, NY

**Research Grant Recipients 1997-2008**

***PSP Brain Bank***

Dennis W. Dickson, M.D.  
Mayo Clinic  
Jacksonville, FL

**2000**

***Regulation of Human Tau Gene Expression and its Role in PSP***

Jane Wu, Ph.D.  
Washington University School of Medicine  
St. Louis, MO

***Environmental Factors and Detoxification Mechanisms in PSP***

Rosemary H. Waring, M.A., Ph.D., Dsc., FRCPath  
The University of Birmingham  
Birmingham, United Kingdom

***Effect of lipoperoxidation on cdk5 Activity and Tau protein Aggregation: a Model of PSP Pathogenesis***

Massimo Tabaton, M.D.  
Department of Neurosciences  
University of Genova  
Italy

***Are Matrix Metalloproteinases Involved in the Pathogenesis of PSP?***

David Albers, Ph.D.  
Department of Neurology and Neuroscience  
Cornell University  
New York, NY

**1999**

***Mechanisms of Neurofibrillary Tangle Formation in Progressive Supranuclear Palsy (PSP)***

Nancy A. Muma, Ph.D.  
Loyola University Medical School  
Maywood, IL

***Identification of the Progressive Supranuclear Palsy Gene***

Parvoneh Navas, Ph.D.  
University of Washington  
Seattle, WA

**1998**

***Establishment of a PSP Brain Bank***

Dennis W. Dickson, M.D.  
Mayo Clinic  
Jacksonville, FL

***Trial of Nonepezil HCL in PSP Patients***

Irene Litvan, M.D.  
Henry M. Jackson Foundation  
Bethesda, MD

***Potential Role of Mitochondrial Defects in PSP***

M. Flint Beal, M.D.  
Weill Medical College of Cornell University  
New York, NY

***Molecular Studies of the Tau Gene in PSP***

William G. Johnson, M.D.  
Lawrence I. Golbe, M.D.  
Robert Wood Johnson Medical School  
Piscataway, NJ

***Oxidative Mechanisms in PSP***

D.S. Albers, Ph.D.; Sara J. Augood, Ph.D.  
Neurology Department  
Mass General Hospital  
Boston, MA

***Tau Gene Mutations in PSP***

Joseph J. Higgins, M.D.  
Laboratory of Clinical Neurogenetics  
Wadsworth Center  
Albany, NY

***Mitochondria in PSP***

Russell Swerdlow, M.D.  
University of Virginia School of Medicine  
Charlottesville, VA

**Research Grant Recipients 1997-2008**

***Neuroanatomical Basis for PSP Eyelid Motor Dysfunction***

Mark S. LeDoux, M.D., Ph.D.  
University of Tennessee  
Memphis, TN

***Neuropathological Grading Scale for PSP***

Mark W. Becher, M.D.  
University of New Mexico Health Science Center  
Albuquerque, NM

**1997**

***Ferritin is Associated with the Aberrant Tau Filaments Present in Progressive Supranuclear Palsy***

Jesús Avila, Ph.D.  
Centro De Biología Molecular  
Madrid, Spain

***The History of Progressive Supranuclear Palsy (PSP)***

Adolfo Brusa, M.D.  
Corso A. Saffi, Genoa, Italy

***Linkage Analysis in Familial PSP***

Justo Garcia de Yebenes, M.D.  
Universidad Autonoma de Madrid  
Madrid, Spain

***Genetic and Environmental Studies of Bodig and Lytigo in Villages of Southern Guam***

John C. Steele, M.D.  
Tamuning, Guam

***Presence and Amount of Glycation and Oxidation Markers in PSP***

Massimo Tabaton, M.D.  
University of Genova  
Genova, Italy

***Reaction Time and Acoustic Startle in Patients with PSP, Multi-System Atrophy, Barcelona and Parkinson's Disease***

Josep Valls-Solé, M.D.  
Hospital Clinic  
Barcelona, Spain

***Haplotype Relative Risk Analysis in PSP***

Lawrence I. Golbe, M.D.; Alice M. Lazzarini, Ph.D.  
Robert Wood Johnson Medical School  
New Brunswick, NJ