

CURRICULUM VITAE (abridged version)

NAME: Miguel A. Pappolla
Date of Birth: 02-18-55
Citizenship: USA.



CONTACT INFORMATION:

Private Practice:
St. Michael's Pain and Spine Clinics
Practice Limited to Neurology and Pain Medicine (Interventional)
2646 S. Loop W. Suite 106
Houston, TX 77030
Phone: 713-661-0300

Academic Appointment:
University of Texas Medical Branch
Galveston, TX
Neurology
Position: Professor

Email: DrP@StMichaelclinics.com

EDUCATION AND POSTGRADUATE TRAINING:

MD, 1978, University of Buenos Aires, Argentina

Ph.D-Doctorate, 2002, University of Catalunya, Barcelona, Spain
Area of Study: Human Aging

Residency in Anatomic and Clinical Pathology
Northeastern Ohio Universities, July 1980-June 1983

Residency in Neurology
University of South Alabama, October 1996- September 2000

Fellowship in Neuropathology
Case Western Reserve University, July 1983- June 1984

Fellowship in Neuropathology
Cleveland Clinic Foundation, July 1984- June 1985

Fellowship Interventional Pain Management (Anesthesia accredited program)
University of Mississippi, Jackson Mississippi (2005-2006)

Post-Doctoral Sabbatical in Molecular Biology
Icahn Mount Sinai Medical School. New York (1990-1992)

BOARD CERTIFICATIONS:

- Anatomic Pathology, 1986. American Board of Pathology
- Neuropathology, 1986 (Combined Certification). American Board of Pathology
- Clinical Pathology, 1990. American Board of Pathology
- Neurology, 2004. Re-certified 2/2014. 12/2025. American Board of Psychiatry and Neurology
- Pain Medicine, 2008 (Anesthesia-based ABMS accredited Interventional Pain Fellowship). American Board of Psychiatry and Neurology. Re-certified 09/2018.

LICENSURE:

Alabama License #20467 (Inactive)
Florida License #64707
Ohio License #47911
New York License #163230 (Inactive)
Texas License #J5436
Mississippi License #17242 (Inactive)
South Carolina #29527 (inactive)

ACADEMIC AND TEACHING APPOINTMENTS:

Dec 2009-Current	Professor of Neurology, University of Texas Medical Branch.
2015-2025	Faculty, American Association of Interventional Pain Physicians.
Feb 2006-Dec 2010	Josephine T. Morse Endowed Chair in Neuropathology (Neuromuscular pathology) Professor of Neurology, Medical University of South Carolina
Dec 2005-Dec 2006	Interventional Pain Medicine. Pain Fellow- Interventional Pain Management Department of Anesthesia-University of Mississippi at Jackson, MS
---Practice interrupted due to hurricane Katrina	
Feb 2004-Dec 2005	Clinical Professor of Neurology and Neuroscience LSU Health Science Center-New Orleans, LA
Oct 2001 - 2004	Professor of Pathology (Neuropathology) and Associate Professor of Neurology, University of South Alabama College of Medicine,
Oct 1996 - Sept 2001	Associate Professor of Pathology (Neuropathology) and Neurology,

	University of South Alabama College of Medicine
Oct 1996 - Jan 2004	Attending Neuropathologist Department of Pathology University of South Alabama College of Medicine
Oct 1996 - Jan 2000	Neurology Resident Department of Neurology University of South Alabama College of Medicine
Oct 1993 - Sept 1996	Attending Pathologist and Neuropathologist Department of Pathology and Laboratory Medicine University of Texas Medical School, Houston, TX
June 1991 - Mar 1993	Attending Pathologist and Neuropathologist Bronx VA Medical Center, Bronx, NY
July 1987 - Mar 1993	Director, Special Clinical Resource Center for Muscle and Nerve Studies (Nationwide Neuromuscular Referral Laboratory), Department of Veteran Affairs, Washington D.C.
Oct 1993 - Sept 1996	Associate Professor of Pathology (Neuropathology) University of Texas Medical School Health Science Center-Houston
July 1991 -March 1993	Assistant Professor of Pathology (Neuropathology) Mount Sinai Medical School-New York-NY
July 1990 - June 1992	Associate Professor of Pathology (Neuropathology) New York Medical College
July 1987 - June 1991	Director ABMS Accredited Research Fellowship Training (1 year) for Pathology Residents-New York Medical College, Valhalla, NY
June 1985 - July 1991	Chief of Service, Pathology and Laboratory Medicine. FDR Department of Veterans Affairs Medical Center, Montrose, NY
July 1985 - June 1991	Attending Pathologist Surgical Pathology and Neuropathology, New York Medical College and Westchester Medical Center, Valhalla, NY
July 1986 - June 1990	Assistant Professor of Pathology (Neuropathology) New York Medical College
July 1985 - June 1986	Clinical Assistant Professor of Pathology (Neuropathology) New York Medical College

RESEARCH:

Areas of Research: Cognitive neurology. Central Pain Syndromes.

Research Grants (FUNDED)

Current:

Position: Co-Principal Investigator Number:

Title: Serum metabolomics of indole compounds in Mild Neurocognitive Disorder and Alzheimer's Disease.

Grantor: NIH

Number: 1R21AG066060

Total Amount: \$500,000

In preparation

Position: Co-Principal Investigator

Number:

Title: Serum metabolomics of indole compounds in fibromyalgia.

Grantor: NIH

Total Amount Planned: 1,900,000

Past (Funded)

Position: Principal Investigator

Number: RO1AG022103

Title: Cholesterolemia and amyloidogenesis Grantor: NIH

Period: 2003-2010.

Total Amount: \$1,825,000

Position: Principal Investigator

Number: 1R01AG022103-01

Title: Melatonin as a novel antioxidant and anti-amyloidogenic agent

Grantor: NIH

Period: 2001-2006

Total Amount: \$1,200,000

Position: Principal Investigator

Title: Oxidative Stress and Amyloidogenesis

Number: RO1 AG number not available

Grantor: NIH

Period: 1986-2001
Amount: \$1,000,000

Position: Principal Investigator
Title: Mutations, Oxidative Stress and Amyloidogenesis
Grantor: NIH. RO1
Period: 1995-1999
Amount: \$750,000

Position: Principal Investigator
Title: A pilot trial of Melatonin in Alzheimer's Disease
Grantor: Alzheimer's Association. **ZENITH AWARD
Period: 2001-2009 (\$ 50,000 remaining)
Amount: \$250,000

Position: Principal Investigator
Title: Neuroscience Research Program
Grantor: Neuroscience Education and Research Foundation UCSD, La Jolla, CA
Period: 2000-2002
Amount: \$80,000

Position: Principal Investigator
Title: Indoles compounds as neuroprotective agents
Grantor: Mindset Corporation, Jerusalem, Israel
Amount: \$240,000
Period: 1998-2001

Position: Principal Investigator
Title: Melatonin and Antioxidants as Therapeutic Agents in a Transgenic Mouse Model of Alzheimer's Disease.
Number: 1R55AG014381-01A2
Grantor: NIH
Period: 2000-2001
Amount: \$100,000

Position: Principal Investigator
Title: A Pilot Trial of Long-Term Melatonin Treatment for AD. Preliminary Studies
Grantor: New York University
Period: 1998-1999
Amount: \$20,000

Position: Principal Investigator
Title: Blood Brain Barrier Abnormalities and Neuroreceptor Function in Aging.
Grantor: Veterans Administration Agency
Period: 1986-1988
Amount: \$40,000

Position: Principal Investigator
Title: Blood Brain Barrier Abnormalities and Neuroreceptor Function in Aging.
Grantor: Veterans Administration Agency
Period: 1986-1988
Amount: \$40,000
Position: Principal Investigator

Title: Serum Deposits in the Human Mesencephalon. It's Relation to Parkinson's Disease and Aging.
Grantor: Cleveland Clinic Foundation Period: 1985
Amount: \$6,000
Position: Co-Principal Investigator
Title: Spastic, Superacute, Chronic and Relapsing Forms of EAE.
Grantor: Multiple Sclerosis Society
Period: 1986-1989
Amount: \$250,000

APPOINTMENTS TO INTERNATIONAL AND NATIONAL ORGANIZATIONS:

Consultant, National Institutes of Health (from 1990 to 2010)

World Alzheimer's Congress (Alzheimer's Association and Nancy Reagan Foundation)
Scientific Advisory Committee, 2002-2004

Department of Veterans Affairs, Washington D.C.
Member, Clinical Pathology Advisory Group
(This body makes nationwide recommendations on Q.A. issues to V.A. hospitals) 1987-1988

American Association of Neuropathologists
Award Committee Member, 1999-2001

American Association of Neuropathologists
Program Committee Member, 1998-1999

Alzheimer's Association (Headquarters, Chicago, IL)
Member, IRB, Medical and Scientific Advisory Council, 1997-Current

University of Catalunya, Barcelona, Spain
Member, Scientific Advisory Board, 1998-Current

State/Regional

Westchester Society of Pathologists, Westchester, New York State
--Vice President, 1989-1993
--Secretary, 1989-1993
--Treasurer, 1989-1991

Medical Leadership Appointments

Chief of Service, Pathology and Laboratory
Medicine. FDR
Department of Veterans Affairs Medical
Center, Montrose, (affiliated with the
Medical College

Executive Board Member . Memorial
Hospital at Gulfport 2001-2005

Clinical Executive Board Member
FDR VA Medical Center, 1985-1991

Director, Blood Bank Services 1985-1990
FDR VA Medical Center, 1985-1991

Chairman, Tissue Committee
FDR VA Medical Center, 1985-1991

Chairman, Medical Records Committee
FDR VA Medical Center, 1985-1987

Chairman, Transfusion Medicine Committee
FDR VA Medical Center, 1985-1991

Chairman Neurology and Neuroscience
Services. Memorial Hospital at Gulfport, MS
(the second largest hospital in Mississippi;
Major Trauma Center) July 2001- June 2005

Director, Neuropathology Division. Department
of Pathology. University of South Alabama
College of Medicine. 2022-2024

Scientific and Founding Director .Alzheimer's
Foundation of the South, Mobile, AL

Director, Memory Disorders Clinic Nov 1999-
June 2003. University of South Alabama
College of Medicine. Department of Neurology

Director, Neuropathology Division. Department
of Pathology. Nov 1999 - June 2003.
University of South Alabama College of
Medicine.

TEACHING AT ACADEMIC INSTITUTIONS

- a. Teaching. See above
- b. Students/Mentees/Advisees/Trainees

Post-doctoral fellows: Javier Pacheco, PhD (LSU, New Orleans) 2008. Marta Manjon, MS 2002-2004 (University of South Alabama and University of Catalonia, Barcelona, Spain). Marta Garcia-Fabra (University of South Alabama and University of Catalonia, Barcelona, Spain). B. Saran, MD 1986-1990 (New York Medical College). Yan Chyan, PhD 1994-2000 (University of South Alabama)

Ph.D. degree students: Javier Pacheco, (Main Thesis Advisor, graduated: 2008; LSU Health Sciences Center at New Orleans)

Master's degree students: Liu Fang 2004-2007; LSU Health Sciences Center at New Orleans

Undergraduate degree students: None

c. Chair/Member of Ph.D. Supervisory Committee for: Javier Pacheco (LSU Health Sciences Center at New Orleans)

Chair/Member of Masters Thesis Supervisory Committee for Liu Fang Graduate: 2007, LSU Health Science Center at New Orleans.

d. "External" Reviewer of Ph.D. dissertations

"External" Reviewer of Diploma(~ Master's) dissertation of: Chitra Venugopal 2007 (MUSC)

Other. Taught residents and medical students in various capacities (rotations, etc.) for over 30 years, (including director Neuropathology curriculum/teaching for medical students at the University of Texas Medical School at Houston).

AWARDS:

Josephine T. Morse Endowed Professorship in Neuropathology
Medical University of South Carolina, 2006

Commendation Award for Academic Excellence and Leadership.
LSU Health Sciences Center, New Orleans, 2006.

Teaching Award, Department of Neurology.
University of South Alabama, Given by graduating Neurology residents, 2001.

Weil Award (awarded to the best study in Neuropathology leading to advancements on mechanisms of disease). American Association of Neuropathologists, 2000

Zenith Fellowship Award
Alzheimer's Association, 2000

Cum Lauded Doctorate Graduate, University of Catalonya, Barcelona, Spain, 2000
Field of Study: Human Aging

Commendation Award, for Academic and Clinical Excellence
Department of Veterans Affairs, Washington, DC, 1990.

James A. Shannon Director's Award,(\$100,000)
National Institutes of Health, 1998

Emeritus Member Award
Argentine Society of Pathologists

Congresses and Meetings Organizer (sample)

Organizing Committee Member. World Alzheimer's Congress (Alzheimer's Association and Nancy Reagan Foundation), 2002-2004

Co-organizer. International Neuropathology Congress (Brazil-Chile-Argentina)

Many chaired sessions for the American Association of Neuropathologists and the World Alzheimer's Congress.

Over 100 invited lectures at highly prestigious institutions including the Harvard Club, Cold Spring Harbor Laboratories, Rockefeller Center, American Society of Interventional Pain Physicians and many others (list available upon request).

APPOINTMENTS TO PEER-REVIEWED JOURNALS (ONLY REPUTABLE/RECOGNIZED PEER-REVIEWED JOURNALS ARE LISTED)

CURRENT:

ASSOCIATE EDITOR APPOINTMENTS:

Pain Physician
Journal of Alzheimer's Disease

EDITORIAL BOARD MEMBER:

Interventional Pain Medicine Reports (2018 to current)
Journal of Neuropathology and Experimental Neurology
Journal of Alzheimer Disease
Current Alzheimer's Research
Frontiers in Neuroscience Review Editor 2010-current
Journal of Neurology

REVIEWER (sample only)

Acta Neuropathologica
American Journal of Pathology
Archives of Pathology and Laboratory Medicine

Archives of Biochemistry and Biophysics
Biochemistry
Brain Research
Digestive Diseases and Sciences
FEBS Letters
Free Radical Research in Biology and Medicine
Journal of Neuropathology and Experimental Neurology
Journal of Neuroscience
Journal of Neurochemistry
Journal of Pineal Research
Journal of Alzheimer's Disease
Molecular and Chemical Neuropathology
Nature Clinical Neurosciences
Neurobiology of Aging
Proceedings of the National Academy of Sciences

INVENTION PATENTS:

Formulations and Methods for Treatment of Fibromyalgia and Related Myofascial Pain Disorders.
Non Provisional Patent Application. #US 399001.1001. 2020

Use of Melatonin to Prevent Cytotoxic Effects of Alzheimer Amyloid Beta Protein
Issued United States Patent # US 05958964

Method for Delaying the Onset of Alzheimer's Disease and for Treating or Delaying the Onset of
Other Amyloidosis-Related Diseases/Disorders
Issued United States Patent #US 6274615 issued August 14, 2001.

Uses of Indole-3-Propionic Acid (IPA) Compounds
Issued United States Patent #US 6395768 issued May 28, 2002

Indole-propionamide as a Neuroprotective and Anti-aging Compound.
United States Patent abandoned due to lack of funding to pursue.

Human Platelet Lysates Derived Exclusively from Young Healthy Donors for Regenerative
Medicine Applications (Provisional Patent Filed; 2016) (abandoned)

PEER-REVIEWED PUBLICATIONS:

120 peer reviewed publications. Only representative papers and main contributions to medical science are highlighted here.

For complete list visit: <https://pubmed.ncbi.nlm.nih.gov/?term=pappolla+m&sort=date>
Original contributions leading to advancements in medical sciences:

- 1. Link between insulin resistance (IR) and central pain.** We discovered an association between IR and central pain in patients with fibromyalgia (FM) that is independent of age, gender, and ethnicity. We found that patients with FM belong to a distinct population that can be segregated from the control groups by using surrogate markers of IR.

Pappolla MA, Manchikanti L, Candido KD, et. al. Insulin Resistance is Associated with Central Pain in Patients with Fibromyalgia. *Pain Physician*. 2021 Mar;24(2):175-184.

2. Publication of the first papers identifying markers of oxidative stress associated to the neuropathologic lesions of Alzheimer's disease and Parkinson's disease.

Prior to this publication, there was only one paper proposing such a mechanism without neuropathologic information. Only representative papers are listed (see below).

- a. Pappolla MA, Omar RA, Kim KS, Robakis NK. (1992). Immunohistochemical Evidence of Oxidative Stress in Alzheimer's Disease. *Am J Pathol.*, 140:621-628. Citations: 429.
- b. Pappolla MA, Chyan Y-J, Omar RA, Hsiao K, Perry G, Smith MA, Bozner P. (1998). Evidence of oxidative Stress and in Vivo Neurotoxicity of beta-Amyloid in a Transgenic Mouse Model of Alzheimer's Disease. *Am J Pathol.*, 152: 871-877. Citations: 376.
- c. Nunomura A, Perry G, Pappolla MA, Wade R, Hirai K, Chiba S, Smith MA. (1999). RNA Oxidation is a Prominent Feature of Vulnerable Neurons in Alzheimer Disease. *J Neuroscience*, 15: 1959-1964. Citations: 771.
- d. Smith MA, Hirai K, Hsiao K, Pappolla MA, Harris LR, Perry G. (1998). Amyloid-B Deposition in Alzheimer Transgenic Mice is Associated with Oxidative Stress. *J Neurochem.*, 70: 2212-2215. Citations: 614.

3. Cholesterol amyloid link. We conducted pioneering research on hypercholesterolemia, providing evidence for the first time that high cholesterol is as a mid-life (early) risk factor for Alzheimer's disease.

Representative papers:

- e. Refolo LM, Wang R, Tint S, Sambamurti, Malester BT, Francois JL, Duff K, Pappolla MA. (2000). Hypercholesterolemia Accelerates Amyloid Pathology in a Transgenic Mouse Model of Alzheimer's Amyloidosis. *Neurobiol Dis.*, 7: 321-331. Citations: 1100.
- f. Refolo LM, Pappolla MA, Malester BT, Francois JL, Bryant-Thomas T, Wang R, Tint GS, Sambamurti K, Duff KE. (2001). A Cholesterol Lowering Drug Reduces beta-amyloid Deposition in a Transgenic Mouse Model of Alzheimer's Amyloidosis. *Neurobiol Dis.*, 8: 890-899. Citations: 599.
- g. Pappolla MA, Bryant-Thomas TK, Herbert D, Pacheco J, Fabra Garcia M, Manjon M, Girones X, Henry TL, Matsubara E, Zambon D, Wolozin B, Petanceska SS, Sano M, Cruz-Sanchez FF, Thal LJ, Refolo LM. (2003). Mild Hypercholesterolemia is an Early Risk Factor for the Development of Alzheimer Amyloid Pathology. *Neurology*, 61: 199-205. Citations: 310.
- h. Petanceska SS, DeRosa S, Sharma A, Diaz N, Duff K, Tint SG, Refolo LM, Pappolla M. (2003). Changes in apolipoprotein E expression in response to dietary and pharmacological modulation of cholesterol. *J Mol Neurosci.*, 20(3): 395-406.

4. Dr. Pappolla's lab has been involved in the development of neuroprotective agents and originally described (for the first time) the biological properties of organic compounds produced by intestinal bacteria. Some of these have been patented and used by the U.S. Navy Seals in combat situations.

Representative papers:

- i. Pappolla MA, Sos M, Omar RA, Bick RJ, Hickson-Bick DLM, Reiter RJ, Efthimiopoulos S, Robakis NK. (1997). Melatonin Prevents Death of Neuroblastoma Cells Exposed to the Alzheimer Amyloid Peptide. *J Neurosci.*, 17: 1683-1690. Citations: 442.
- j. Pappolla MA, Bozner P, Soto C, Shao H, Robakis NK, Zagorski M, Frangione B, Ghiso J. (1998). Inhibition of Alzheimer beta-Fibrillogenesis by Melatonin. *J Biol Chem.*, 273: 7185-7188. Citations: 356.
- k. Pappolla MA, Perry G, Fang X, et al. Indoles as essential mediators in the gut-brain axis. Their role in Alzheimer's disease. *Neurobiol of Dis* 2021.

5. Recently, Dr. Pappolla et al identified a novel clearance pathway for beta-amyloid through the lymphatic system. In addition, we were the first to propose the hypothesis that glycation is a mechanism contributing to protein insolubility in Alzheimer's disease.

Representative papers:

- l. Pappolla MA, Sambamurti K, Pacheco-Quinto J, Vidal R, Poeggeler B, Matsubara E. (2014). Evidence for Lymphatic Amyloid Clearance in Alzheimer's Transgenic Mice. *Neurobiol Dis.*, Nov; 71: 215-9.
- m. Pappolla MA, Matsubara E, Vidal R, Pacheco-Quinto J, Poeggeler B, Zagorski M, Sambamurti K, (2018). Melatonin treatment enhances A β lymphatic clearance in a transgenic mouse model of amyloidosis. *Curr Alz Research*, 15(7): 637-642.

6. Additional contributions to neurosciences include:

A-First report (ever) of blood brain barrier abnormalities in the aged brain. In collaboration with Dr. A. C. Andom, Dr. Pappolla demonstrated, for the first time, a blood brain barrier (BBB) breakdown and leakage of serum proteins in aged (but not young) human brain (Pappolla and Andom, 1987; Andom et al., 1986; Andom and Pappolla, 1989).

- n. Pappolla MA, Andom AC. (1987). Serum protein leakage in aged human brain and inhibition of ligand binding at alpha 2-adrenergic and cholinergic binding sites. *Synapse*, 1(1): 82-9.
- o. Andom AC, Pappolla MA, Fox H, Klemens FK, Martello PA. (1986). Human serum Cohn fraction IV (alpha-globulin [correction of globin] enriched) inhibits ligand binding at neurotransmitter receptors in human brain. *Proc Natl Acad Sci US A*, Jun; 83(12): 4572-5.
- p. Andom AC, Pappolla MA. (1989). Serum protein interactions with neurotransmitter receptors: implications for Alzheimer's disease. *Prog Clin Biol Res.*, 317: 695-701.

Latest Papers 2021-2026 (total 120)

Pappolla MA, Sambamurti K. Cervical lymph node biomarkers in neurodegeneration. *Brain*. 2026 Jul 6;awag225. doi:10.1093/brain/awag225.

Pappolla MA, Pappolla SL, Nader R, Hamza MK, Fang F, Fang X. Evaluating cognition across aging and traumatic brain injury: Integrating neurological and neuropsychological approaches. *J Clin Med*. 2026;15(10):3822. doi:10.3390/jcm15103822.

Ahmad R, File C, Fang F, Kaye AD, Fang X, Abd-Elseyed A, Pappolla MA. Cortico-limbic disconnection phenotype in chronic central neuropathic pain: A case report. *Pain Med Case Rep.* 2026 Apr;10(2):201-208.

Ahmad R, File C, Forero JC, Nader R, Fang X, Kaye AD, Abd-Elseyed A, Pappolla MA. Efficacy of nerve blocks for posttraumatic trigeminal autonomic cephalalgias: A case series. *Pain Med Case Rep.* 2026 Apr;10(2):101-106.

Poeggeler B, Singh SK, Sambamurti K, Pappolla MA. Special Issue "Tryptophan in Nutrition and Health 3.0". *Int J Mol Sci.* 2025 Aug 30;26(17):8443. doi: 10.3390/ijms26178443. PMID: 40943365; PMCID: PMC12428979.

File C, Nader R, Villasante-Tezanos A, Ahmed R, Pappolla S, Ahmed F, Miranda-Morales EG, Zhao Y, Fang X, Kaye AD, Pappolla MA. Pain Management in Mild Traumatic Brain Injury: Central Sensitization as a Multispecialty Challenge. *Pain Physician.* 2025 May;28(3):231-240. PMID: 40464888.

Pappolla MA, Martins RN, Poeggeler B, Omar RA, Perry G. Oxidative Stress in Alzheimer's Disease: The Shortcomings of Antioxidant Therapies. *J Alzheimers Dis.* 2024;101(s1):S155-S178. doi: 10.3233/JAD-240659. PMID: 39422961.

Pappolla MA, Refolo L, Sambamurti K, Zambon D, Duff K. Hypercholesterolemia and Alzheimer's Disease: Unraveling the Connection and Assessing the Efficacy of Lipid-Lowering Therapies. *J Alzheimers Dis.* 2024;101(s1):S371-S393. doi: 10.3233/JAD-240388. PMID: 39422957.

Kaye AD, File CJ, Borne GE, Daniel CP, Sharma R, Shekoohi S, Pappolla MA. Melatonin: Evolving Physiological Understanding and Potential Therapeutic Role in Pain Medicine Including Intervertebral Disc Degeneration. *Pain Physician.* 2024 Jul;27(5):273-282. PMID: 39087961.

Moreira PI, Avila J, Galimberti D, Pappolla MA, Plascencia-Villa G, Sorensen AA, Zhu X, Perry G. Therapeutic Trials in Alzheimer's Disease: Where Are We Now? *J Alzheimers Dis.* 2024;101(s1):S1-S2. doi: 10.3233/JAD-249016. PMID: 39422966.

Pappolla MA, Wu P, Fang X, Poeggeler B, Sambamurti K, Wisniewski T, Perry G. Stem Cell Interventions in Neurology: From Bench to Bedside. *J Alzheimers Dis.* 2024;101(s1):S395-S416. doi: 10.3233/JAD-230897. PMID: 39422938.

Rippee-Brooks MD, Wu W, Dong J, Pappolla M, Fang X, Bao X. Viral Infections, Are They a Trigger and Risk Factor of Alzheimer's Disease? *Pathogens.* 2024 Mar 8;13(3):240. doi: 10.3390/pathogens13030240. PMID: 38535583; PMCID: PMC10974111.

Poeggeler B, Singh SK, Sambamurti K, Pappolla MA. Nitric Oxide as a Determinant of Human Longevity and Health Span. *Int J Mol Sci.* 2023 Sep 26;24(19):14533. doi: 10.3390/ijms241914533. PMID: 37833980; PMCID: PMC10572643

Poeggeler B, Singh SK, Sambamurti K, Pappolla MA. Tryptophan in Nutrition and Health

2.0. Int J Mol Sci. 2023 Apr 12;24(8):7112. doi: 10.3390/ijms24087112. PMID: 37108272; PMCID: PMC10138358.

Moreira PI, Avila J, Galimberti D, Pappolla MA, Plascencia-Villa G, Sorensen AA, Zhu X, Perry G. Therapeutic Trials in Alzheimer's Disease: Where Are We Now? J Alzheimers Dis. 2024;101(s1):S1-S2. doi: 10.3233/JAD-249016. PMID: 39422966.

Pappolla MA, Carare RO, Poeggeler B, Wisniewski T, Sambamurti K. The Lymphatic System in Neurological Disease and Alzheimer's Disease. A Brief Editorial. Curr Alzheimer Res. 2022;19(10):689-693. doi: 10.2174/1567205020666221028111517. PMID: 36306458.

Poeggeler B, Singh SK, Pappolla MA. Tryptophan in Nutrition and Health. Int J Mol Sci. 2022 May 13;23(10):5455. doi: 10.3390/ijms23105455. PMID: 35628285; PMCID: PMC9146092.

Poeggeler B, Robenek H, Pappolla MA. Editorial: Pharmacology of L-Arginine and L-Arginine-Rich Food. Front Pharmacol. 2021 Aug 3;12:743788. doi: 10.3389/fphar.2021.743788. PMID: 34413781; PMCID: PMC8370829.

Manchikanti L, Atluri S, Boswell MV, Calodney AK, Diwan S, Gupta S, Kaye AD, Knezevic NN, Candido KD, Abd-Elsayed A, Pappolla MA, Racz GB, Sachdeva H, Sanapati MR, Shah S, Singh V, Soin A, Hirsch JA. Methodology for Evidence Synthesis and Development of Comprehensive Evidence-Based Guidelines for Interventional Techniques in Chronic Spinal Pain. Pain Physician. 2021 Jan;24(S1):S1-S26. PMID: 33492917.

Pappolla MA, Perry G, Fang X, Zagorski M, Sambamurti K, Poeggeler B. Indoles as essential mediators in the gut-brain axis. Their role in Alzheimer's disease. Neurobiol Dis. 2021 Aug;156:105403. doi: 10.1016/j.nbd.2021.105403. Epub 2021 Jun 1. PMID: 34087380.

Jazebe N, Evans C, Kadaru HS, Kompella D, Raji M, Fang F, Pappolla M, Tang SJ, Chung JM, Hammock B, Fang X. HIV-related Neuropathy: Pathophysiology, Treatment and Challenges. J Neurol Exp Neurosci. 2021;7(1):15-24. doi: 10.17756/jnen.2021-082. Epub 2021 Feb 6. PMID: 35252633; PMCID: PMC8896895.

Pappolla MA, Perry G, Fang X, Zagorski M, Sambamurti K, Poeggeler B. Indoles as essential mediators in the gut-brain axis. Their role in Alzheimer's disease. Neurobiol Dis. 2021 Aug;156:105403.