

John Thomas Pinto, Ph.D.

PROFESSIONAL APPOINTMENTS

2015 – Present	Director of Dental Biochemistry, Touro College of Dental Medicine at New York Medical College Valhalla, New York 10595
2007 – Present	New York Medical College Professor, Biochemistry and Molecular Biology Professor, Medicine
2004 – 2007	Cornell-Burke Medical Research Institute Senior Research Scientist White Plains, New York 10605
2001 – 2004	American Health Foundation Senior Scientist and Director, Nutrition Research Laboratory; Associate Program Director, Clinical Nutrition Research Unit (CNRU) (<i>the American Health Foundation, Memorial Sloan-Kettering Cancer Center, Weill Medical College of Cornell University, and Rockefeller University</i>) Valhalla, New York 10595
1992 – 2001	Weill Medical College of Cornell University, Associate Research Professor of Biochemistry in Medicine New York, New York 10021
1986 – 2001	Memorial Sloan-Kettering Cancer Center. Director, Nutrition Research Laboratory; Associate Laboratory Member, Molecular Pharmacology and Therapeutics New York, New York 10021
1980 – 2001	Memorial Sloan-Kettering Cancer Center, Weill Medical College of Cornell University, and The Rockefeller University, Associate Program Director of the Clinical Nutrition Research Unit New York, New York 10021.
1980 – 1986	Memorial Sloan-Kettering Cancer Center, Assistant Member, Molecular Pharmacology and Therapeutics. New York, New York 10021.
1976 – 1979	Columbia University College of Physicians and Surgeons, Research Associate and Staff Associate Department of Medicine and Institute of Human Nutrition, New York, New York 10032.

ADJUNCT FACULTY APPOINTMENTS

1997 – Present	Columbia University, Teachers College, New York, New York 10032. Adjunct Professor
1992 – Present	University of New Haven, West Haven, Connecticut 06516 Professor of Biology, Bio/Nutrition Program.
1979 – 2014	Columbia University, Institute of Human Nutrition, New York, New York 10032 Distinguished Lecturer.
1983 – 1997	New York Medical College Valhalla, New York 10595 Distinguished Lecturer, Graduate School of Health Sciences. (<i>Program in Nutrition was discontinued in 1997</i>)
1981 – 1992	University of Bridgeport, Bridgeport, Connecticut 06601. Associate Professor of Biology, Bio/Nutrition Program.
1980 – 1987	New York University, New York, New York 10003. School of Education, Health, Nursing, and Arts Professions. Assistant Professor of Nutrition

EDUCATION/TRAINING

1974 – 1976	Columbia University College of Physicians and Surgeons, New York, New York 10032. Department of Medicine and The Institute of Human Nutrition, Post-Doctoral Fellowship, Biochemical Nutrition.
1969 – 1974	University of Medicine and Dentistry of New Jersey Newark, New Jersey 07103. Department of Biochemistry, Ph.D., Biochemistry
1964 – 1968	Saint John Fisher College Rochester, New York 14618. Department of Chemistry, Bachelor of Science, Chemistry

PATENTS

2003 Prostate-Specific Membrane Antigen and uses thereof;
Patent number: 6569432; issued 5/27/2003

This invention provides 1] an isolated nucleic acid molecule encoding an alternatively spliced human prostate-specific membrane antigen; 2] an isolated nucleic acid comprising a promoter sequence normally associated with the transcription of a gene encoding a human prostate-specific membrane antigen; 3] an isolated polypeptide having the biological activity of an alternatively spliced prostate-specific membrane antigen; 4] a method of detecting a nucleic acid encoding an alternatively spliced human prostate-specific membrane antigen and a method of detecting a prostate tumor cell in a subject; and 5] a pharmaceutical composition comprising a compound in a therapeutically effective amount and a pharmaceutically acceptable carrier and a method of making prostate cells susceptible to a cytotoxic chemotherapeutic agent.

MEMBERSHIP AFFILIATIONS

2007 – Present	Member, American Association for Cancer Research
1990 – Present	Member, The American Society for Clinical Nutrition.
1985 – 2000	Member, The American Federation for Clinical Research.
1983 – Present	Member, The American Institute of Nutrition.

EDITORIAL PEER REVIEWER

Nutrition and Cancer: An International Journal
American Journal of Clinical Nutrition
Analytical Biochemistry
Biochemical Pharmacology

Biochemical Journal
Biology of the Cell
Comparative Biochemistry and Physiology
Journal of Nutrition
Medicinal Chemistry
Proceedings of Society of Experimental Biology and Medicine

CIVIC ACTIVITIES AND INTERESTS

2005 – present Connecticut Harbor Management Association, President
1992 – present Norwalk Harbor Commissioner, Norwalk Harbor Management Commission
Past-Chairman of the Harbor Commission (2003-2006).
1992 – present Mayor's Council, Environmental and Water Quality Committee,
1982 – present Judge for City Science Fairs, the City of Norwalk, Board of Education;
1994 – 1998 Board of Directors, Norwalk Communities-In-Schools, Inc.;;
1982 – 1990 Director of Norwalk Junior Soccer Association; (Program continues to provide
soccer instruction and team participation for over 400 children, ages 5-13 years).
1980 – 1988 Initiated and Chaired, St. Thomas the Apostle School Science Fair

PEER-REVIEWED PUBLICATIONS

17 book chapters and 135 peer-reviewed articles; 117 abstracts and presentations at National meetings

Book Chapters (2015-2019)

1. Cooper AJL, Dorai T, Dorai B, Krasnikov BF, Li JY, Hallen A, and Pinto JT. Role of glutamine transaminases in nitrogen, sulfur, selenium and 1-carbon metabolism. Chapter 3, pp. 37-54, IN: Glutamine in Clinical Nutrition. Rajendram R, Preedy VR, and Patel VB. (Eds.) (Humana Press, New York) 2015.
2. Pinto JT, Hsieh TC, Wu JM. Genomic and nongenomic controls of vitamin D on cardiovascular health and disease. Chapter 5, pp 91-112. IN: Handbook of nutrition in heart health. Ronald Watson, Ph.D. and Sherma Zibadi, M.D., Ph.D., (Eds). Wageningen Academics, Wageningen Academic Publishers, (Netherlands), 2017.
3. Pinto JT, Hsieh TC, Brown S, Madrid J, Wu JM. Advances on effects of copper on cardiovascular health. Chapter 10, pp 213-228. IN: Handbook of nutrition in heart health. Ronald Watson, Ph.D. and Sherma Zibadi, M.D., Ph.D., (Eds). Wageningen Academics, Wageningen Academic Publishers, (Netherlands), 2017.
4. Schaafsma E., Pinto J, Garvey J, Garvey R, Wu JM, Hsieh T-C. Evolution from Gene to Gene Network: Using Bioinformatics to Gain Insights into Chemopreventive Mechanism of Resveratrol. Chapter 12, pp 309-328. IN: Resveratrol: State-of-the-art science and health applications; Joseph M. Wu, Tze-chen Hsieh (Eds). (World Scientific Publishing Co, Inc. Hackensack, N.J.), 2019.

Journal Articles (2015-2019)

1. Huang A, Pinto JT, Froogh G, Kandhi S, Qin J, Wolin MS, Hintze TH, Sun D. A role of homocysteinylation of ACE in endothelial dysfunction of arteries. *Am J. Physiol., Heart Circ Physiol.* 308(2):H92-H100, 2015. PMID: 25416191
2. Cooper AJL, Shurubor YI, Dorai T, Pinto JT, Isakova EP, Deryabina YI, Denton TT, Krasnikov BF. ω -Amidase – An underappreciated, but important enzyme in L-glutamine and L-asparagine metabolism in mammals. *Amino Acids.* 48(1):1-20, 2016. Review. Erratum in: *Amino Acids.* 47(12):2671-2, 2015. PMID: 26259930

3. Pinto JT, Zempleni J. Riboflavin. *Adv Nutr.* 7(5):973-975, 2016. PMID: 27633112
4. Dorai T, Pinto JT and Cooper AJL. Sweetening of glutamine metabolism in cancer cells by Rho GTPases through convergence of multiple oncogenic signaling pathways. *Transl Cancer Res*; 5(S2):S349-S356, 2016.
5. Schaafsma E, Hsieh T, Doonan BB, Pinto JT, Wu JM. Anticancer Activities of Resveratrol in Colorectal Cancer. *Biol Med (Aligarh)* 8(5): 217, 2016. doi:10.4172/0974-8369.1000317
6. Wu JM, Oraee A, Doonan BB, Pinto JT, Hsieh TC. Activation of NQO1 in NQO1*2 polymorphic human leukemic HL-60 cells by diet-derived sulforaphane. *Exp Hematol Oncol.* 5(1):27, 2016. PMID: 27625902
7. Jeitner TM, Kristoferson E, Azcona JA, Pinto JT, Stalneck C, Erickson JW, Kung HF, Li J, Ploessl K, and Cooper AJL. Fluorination at the 4 position alters the substrate behavior of L-glutamine and L-glutamate: Implications for positron emission tomography of neoplasias. *J Fluor Chem.* 192(A):58-67, 2016. PMID: 28546645
8. Froogh G, Pinto JT, Le Y, Kandhi S, Alelign Y, Huang A and Sun D. Chymase-dependent production of angiotensin II: an old enzyme in old hearts. *Am J Physiol Heart Circ Physiol.* 312(2):H223-H231, 2017 PMID: 27815252
9. Doonan BD, Schaafsma E, Pinto JT, Wu JM, and Hsieh T-C. Application of open-access databases to determine functional connectivity between resveratrol-binding protein QR2 and colorectal carcinoma. *In Vitro Cell Dev Biol Anim.* 53:575-578, 2017. Epub 2017 Jun 23. PMID: 28646291.
10. Nichenametla SN, Mattocks DAL, Malloy VL, and Pinto JT. Sulfur amino acid restriction-induced changes in redox-sensitive proteins are associated with slow protein synthesis rates. *Ann N Y Acad Sci.* 1418(1):80-94, 2018. PMID: 29377163
11. Jeitner T, Pinto JT, and Cooper AJL. Cystamine or cysteamine as inhibitors of transglutaminases in vivo. *Biosci Rep.* 2018 Sep 5; 38(5), 2018. PMID: 30054429
12. Kumar A, Vaish M, Karuppagounder SS, Gazaryan I, Cave JW, Starkov AA, Anderson ET, Zhang S, Pinto JT, Rountree A, Wang W, Sweet IR and Ratan RR. HIF1 α stability in hypoxia is not oxidant-initiated but is tuned by redox regulation of the proteasome. *Nature Communications*, 2018.
13. Karuppagounder SS, Alin L, Chen YX, Brand D, Bourassa MW, Dietrich K, Wilkinson CM, Nadeau CA., Kumar A, Perry S, Pinto JT, Darley-Usmar V, Sanchez S, Milne GL, Pratico D, Holman TR, Carmichael ST, Coppola G, Colbourne F, and Ratan RR. N-acetylcysteine targets 5 lipoxygenase-derived, toxic lipids and can synergize with PGE2 to inhibit ferroptosis and improve outcomes following hemorrhagic stroke in mice. *Ann Neurol.* 84(6):854-872, 2018.
14. Dorai T, Pinto JT, Lebovics E, Fallon III JT, Cooper AJL. Patients with Crohn Disease or Ulcerative Colitis exhibit high expression of ω -amidase within inflamed intestinal regions. Submitted to: *Metabolism*, 2019.
15. Dorai T, Dorai B, Pinto JT, Grasso M, Cooper AJL. High Levels of Glutaminase II Pathway Enzymes in Normal and Cancerous Prostate and their Proposed Role in "Glutamine Addiction". Submitted to *Prostate*: 2019.

16. Kumar A, Vaish M, Karuppagounder SS, Gazaryan I, Cave JW, Starkov AA, Anderson ET, Zhang S, Pinto JT, Rountree A, Wang W, Sweet IR and Ratan EE. Redox therapeutics and glutaredoxin-1 tune adaptation to hypoxia by targeting the proteasome. Submitted to J Clin Invest. 2019.