

Curriculum Vitae

Nathan S. Bryan, Ph.D.

Jan 2025

31 pages

Date of Birth: November 26, 1973

U.S. Citizen

ACADEMIC EDUCATION

The University of Texas at Austin

Jan 1994 – May 1997

Bachelor of Science in Biochemistry

Mentor: Jon Robertus, Ph.D.

Undergraduate research in protein over-expression and purification in bacteria

LSU School of Medicine in Shreveport

Aug 2000 - July 2004

Doctor of Philosophy

Department of Molecular and Cellular Physiology

Mentor/Advisor: Martin Feelisch, Ph.D.

Dissertation topic: Formation and physiological significance of blood and tissue nitros(y)ation products.

Boston University School of Medicine

Whitaker Cardiovascular Institute

Department of Medicine

July 2004 – May 2006

Ruth L. Kirschstein Post-doctoral fellow

The role of nitrite as a biologically active molecule in physiology

PROFESSIONAL POSITIONS

Graduate Asst.

(08/00-05/01)

LSUHSC, Dept of Molecular &
Cellular Physiology, Shreveport, LA

Doctoral Candidate

(05/01-05/04)

LSUHSC, Dept of Molecular &
Cellular Physiology, Shreveport, LA

Kirschstein Fellow	(06/04-05/06)	Boston University School of Medicine, Whitaker Cardiovascular Institute; Department of Medicine
Instructor	(06/06-05/07)	The University of Texas Health Science Center at Houston, Institute of Molecular Medicine
Asst. Professor	(05/07- 08/14)	The University of Texas Health Science Center at Houston, Institute of Molecular Medicine
Adjunct Professor	(10/14 – 10/21)	Baylor College of Medicine Department of Molecular and Human Genetics
Founder, Inventor & Shareholder	(02/10 – Present)	HumanN, Inc. (formerly Neogenis Labs)
Founder, CEO	(03/19 – Present)	Pneuma Nitric Oxide, LLC
Founder, CEO	(01/20 – Present)	Nitric Oxide Innovations, LLC
Founder, CEO	(03/21 – Present)	Bryan Nitriceuticals, LLC
Founder, CEO	(06/22 – Present)	Nitric Oxide Research Institute, LLC
Founder, Chairman CEO	(07/23 – Present)	Bryan Therapeutics, Inc.

PROFESSIONAL ORGANIZATIONS

Society for Free Radical Biology and Medicine
 American Physiological Society
 Nitric Oxide Society – Secretary/Treasurer 2016 - Present
 American Heart Association
 American Association for the Advancement of Science (AAAS)
 American Diabetes Association
 American College of Nutrition

HONORS/AWARDS

LSU Health Sciences Center Graduate School Dean's Award for Excellence in
 Graduate Studies - May 2005

Travel Award – Sept 2007 International Nitrite Meeting
Young Investigator Research Accomplishment Award – Presented by Dr. James T. Willerson - UTHSC Houston Sept 2007
UTHealth Star Award – Feb 2012
Innovations in Health Care 2024 – Health 2.0 Dubai UAE
Top 111 Forward Thinkers 2025
The Top 100 Innovators and Entrepreneurs – 2024 & 2025

EDITORIAL POSITIONS

Journals

Journal of Geriatric Cardiology – Associate Editor
Alternative Therapies in Health and Medicine – Associate Editor

AD HOC PEER REVIEWER

Nitric Oxide Journal
Journal for Free Radical Biology and Medicine
The Federation of the American Societies of Experimental Biology
British Heart Journal
British Journal of Sports Medicine
Clinical Nutrition Journal
Nutrient Journal
European Journal of Nutrition
American Journal of Clinical Nutrition
Journal of Pediatric Biochemistry
Circulation

NATIONAL GRANT REVIEW PANELS/STUDY SECTIONS

AD HOC REVIEWER

National Heart Lung and Blood Program Project Review Committee
National Heart Lung and Blood Program Clinical Trials Review Committee
Biomedical and Therapeutic Research Committee – Scotland
British Heart Foundation
Biotechnology and Biological Sciences Research Council – United Kingdom
American Institute of Biological Sciences

SERVICE ON UTHEALTH COMMITTEES

The University of Texas – Houston Animal Welfare Committee (2007 – 2010)
UT Houston Institute of Molecular Medicine Vivarium Subcommittee (2006 – 2014)

UT Houston Institute of Molecular Medicine Facilities Council (2007 – 2014)
UT Houston Medical School – Medical Student Interviewer (2010 – 2014)
UT Houston Medical School Admissions Committee (2011 – 2014)

Graduate School of Biomedical Sciences

Associate Faculty Member

Ph.D. Thesis Advisory Committee – Prasad Phatarpekar UT Graduate School of Biomedical Sciences

M.D. Ph.D. Thesis Advisory Committee – Henry Wu UT Graduate School of Biomedical Sciences

Ph.D. Advisory Committee – Richard Lions, DO Texas Childrens Hospital, Baylor College of Medicine

SERVICE TO THE COMMUNITY

Head Coach – Cy-Fair Sports Organization 9-10 year old JV football (2008)

Member Holy Family Catholic Church – Lexington Texas

Houston Community College Biotechnology Advisory Committee

Houston Community College Curriculum Advisory Committee

Lexington ISD Athletic Facility Fund Raising Committee - President

Lexington Independent School District – Facilities Committee (2016-Present)

Nitric Oxide Society - Treasurer

SPONSORSHIP OF CANDIDATES FOR POSTDOCTORAL FELLOWS

Yaoping Tang, M.D. – November 2007 – September 2010

Currently Vice Chairman of the Cardiovascular Center of Ruikang Hospital – Nanning China

TEACHING EXPERIENCE

LSU Health Sciences Center, Medical Physiology Course for Allied Health

Professionals: 2002 (8 lectures to 200 students)

Patient Oriented Problem Solving courses in Pharmacology to Medical Students,

LSUHSC: 2003 (20 lectures to 30 students)

Graduate Course in Cell Signaling: Department of Integrative Biology and

Pharmacology, UTHSC Houston; Spring 2007-present (5 lectures to 10 students)

Weekly lab meetings (1.5 hours, 3 staff members)

Instructional teaching/mentoring in laboratory research – personal communications (5 hours per weeks to 3 staff members and TCH physician)

GRANT SUPPORT

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|---|--------------------------------------|
| 1) Ruth L.Kirschstein National Research Service Award
(5 T32 HL07224-27)
Whitaker Cardiovascular Institute
Boston University School of Medicine
“The role of nitrite as a biologically active molecule in physiology” | 06/01/04-05/31/06
\$80,000 |
| 2) Start-up funds
Institute of Molecular Medicine
The University of Texas Health Sciences Center at Houston
“Nitrite signaling and cGMP formation” | 06/01/06
\$150,000 |
| 3) National Scientist Development Grant – American Heart Association
Principal Investigator

0735042N - Supplemental Nitrite Restores NO Homeostasis and Enhances
Cardiovascular Health | 07/01/2007-06/30/2011
\$260,000 |
| 4) National Institutes of Health (NIH) Health Disparities Loan Repayment Program
Principal Investigator | 10/01/08 – 9/30/11
\$60,000 |
| 5) SAJE Pharmaceuticals
Principal Investigator
Preclinical Studies of GSNOR inhibitors in Mice | 11/01/2008-06/30/2009
\$3500 |
| 6) Texas A&M University
Principal Investigator
A National Survey of the Nitrite/ Nitrate Concentrations in Cured Meat Products and
Non-meat Foods Available at Retail | 11/08/2008-12/01/2009
\$21,600 |
| 7) National Institute of Health Transformative R01 (Co-Principal Investigator)
Arginosuccinate Lyase is an essential regulator of NO production

Subcontract: | 09/01/2009 – 08/31/2014
\$500,000 |
| 8.) NeoGenis Laboratories, Inc.
Principal Investigator
Development of nitric oxide based nutraceuticals | 05/01/2010-09/30/2011
\$75,000 |
| 9) Forest Research, Inc
Principal Investigator | 06/01/2011-12/31/2013
\$150,000 |

Inhibitory Activity of S-Nitrosoglutathione Reductase by Nebivolol: Novel Pathway for Modulating NO Signaling.

10) National Institutes of Health – National Center for Complementary and Integrative Health
Principal Investigator
The Effects of a Nitric Oxide Generating Lozenge on Peripheral Artery Disease

10/01/2016-09/30/2017
\$150,000

SCIENTIFIC PUBLICATIONS

ORIGINAL RESEARCH ARTICLES

- [1] Joshi MS, Ferguson TB, Han TH, Hyduke DR, Liao JC, Rassaf T, **Bryan N**, Feelisch M, Lancaster JR Jr. Nitric oxide is consumed, rather than conserved, by reaction with oxyhemoglobin under physiological conditions. Proc Natl Acad Sci USA. 2002 Aug 6;99(16):10341-6
- [2] Feelisch M, Rassaf T, Mnaimneh S, Singh N, **Bryan, NS**, Jourdeheuil D, Kelm M. Concomitant S-, N-, and heme nitros(yl)ation in biological tissues and fluids: implications for the fate of NO in vivo. FASEB J. 2002 Nov;16(13):1775-85.
- [3] Rassaf T, **Bryan NS**, Kelm M, Feelisch M. Concomitant presence of N-nitroso and S-nitroso proteins in human plasma. Free Radic Biol Med. 2002 Dec 1;33(11):1590-6.
- [4] Rodriguez J, Maloney RE, Rassaf T, **Bryan NS**, Feelisch M. Chemical nature of nitric oxide storage forms in rat vascular tissue. Proc Natl Acad Sci USA. 2003 Jan 7;100(1):336-41.
- [5] Rassaf T, **Bryan NS**, Maloney RE, Specian V, Kelm M, Kalyananraman B, Rodriguez J, Feelisch M. NO adducts in mammalian red blood cells: too much or too little? Nat Med. 2003 May;9(5):481-3.
- [6] Kleinbongard P, Dejam A, Lauer T, Rassaf T, Schindler A, Picker O, Scheeren T, Godecke A, Schrader J, Schulz R, Heusch G, Schaub GA, **Bryan NS**, Feelisch M, Kelm M. Plasma nitrite reflects constitutive nitric oxide synthase activity in mammals. Free Radic Biol Med. 2003 Oct 1;35(7):790-6.
- [7] **Bryan NS**, Rassaf T, Rodriguez C, Maloney R, Saijo F, Rodriguez J, Feelisch M. Cellular targets and mechanisms of nitros(yl)ation: A first insight into their nature and kinetics in vivo. Proc Natl Acad Sci USA 2004 March 23;(101);4308-4313.
- [8] **Bryan NS**, Rassaf T, Rodriguez J, Feelisch M. Bound NO in human red blood cells: fact or artifact? Nitric Oxide. 2004 Jun;10(4):221-8.
- [9] Tao L, Gao E, **Bryan NS**, Ou Y, Liu HR, Hu A, Christopher TA, Lopez BL, Yodio J, Koch WJ, Feelisch M, Ma XL. Cardioprotective effects of thioredoxin in Myocardial ischemia and reperfusion: the role of S-nitrosation.

- Proc Natl Acad Sci USA 2004 Aug 3;101(31):11471-6.
- [10] Janero DR, **Bryan NS**, Saijo F, Dhawan V, Schwalb, DJ, Warren MC, Feelisch M. Differential nitros(yl)ation of blood and tissue constituents during glyceryl trinitrate biotransformation in vivo. Proc Natl Acad Sci USA 2004 Nov 30;101(48):16958-63
- [11] Zamora R, **Bryan NS**, Boyle P, Wong C, Milsom AB, Jaffe R, Feelisch M, Ford HR. Nitrosative stress in an Animal Model of Necrotizing Enterocolitis Free Radic Biol Med. 2005 Dec 1;39(11):1428-1437.
- [12] **Bryan NS**, Fernandez BO, Garcia-Saura MF, Bauer SM, Milsom AB, Rassaf T, Maloney R, Bharti A, Rodriguez J, Feelisch M. Nitrite is a signaling molecule and regulator of gene expression in mammalian tissues Nature Chemical Biology, 2005 Oct (1); 290-297.
- [13] Peyrot F, Fernandez BO, **Bryan NS**, Feelisch M, Ducrocq C. N-Nitroso Products from the Reaction of Indoles with Angeli's Salt Chem Res Toxicol. 2006 Jan;19(1):58-67.
- [14] Elrod JW, Greer JJ, **Bryan NS**, Langston W, Szot JF, Gebregzlabher H, Janssens S, Feelisch M, Lefer, DJ. Cardiomyocyte-Specific Overexpression of NO Synthase-3 Protects Against Myocardial Ischemia-Reperfusion Injury Arterioscler Thromb Vasc Biol. 2006 July;26(7):1517-23.
- [15] Wang X, **Bryan NS**, MacArthur PH, Rodriguez J, Gladwin MT, Feelisch M. Measurement of nitric oxide levels in the red cell: Validation of triiodide based chemiluminescence with acid-sulfanilamide pretreatment J Biol Chem. 2006 Sept 15;281(37):26994-7002.
- [16] Duranski MR, Elrod JW, Calvert JW, **Bryan NS**, Feelisch M, Lefer DJ. Genetic Overexpression of eNOS Attenuates Hepatic Ischemia-Reperfusion Injury Am J Physiol Heart Circ Physiol 2006 Dec;291(6):H2980-6.
- [17] **Bryan NS** Nitrite in NO Biology: Cause or Consequence? A Systems-Based Review Free Radic Biol Med 2006 Sept;41(5):691-701.
- [18] **Bryan NS**, Grisham MB: Methods to Detect Nitric Oxide and its Metabolites in Biological Samples Free Radic Biol Med 2007 Sep 1;43(5):645-57.
- [19] Erzurum SC, Ghosh S, Janocha A, Xu W, Bauer S, **Bryan NS**, Tejero JB, Hemann C, Hille R, Stuehr D, Feelisch M, Beall C.: Higher blood flow and circulating NO products offset high-altitude hypoxia among Tibetans Proc Natl Acad Sci USA 2007 Nov 6;104(45):17593-8
- [20] **Bryan NS**, Calvert, JW, Elrod JW, Duranski MR, Gundewar S, Ji SY, Lefer DJ: Dietary Nitrite Supplementation Protects Against Myocardial Ischemia-Reperfusion Injury Proc Natl Acad Sci USA 2007 Nov 27;104(48):19144-9
- [21] Elrod JW, Calvert JW, Gundewar S, **Bryan NS**, Lefer DJ: Nitric Oxide Promotes Distant Organ Protection: Evidence for an Endocrine Role of Nitric Oxide Proc Natl Acad Sci USA 2008 Aug 12;105(32): 11430-35
- [22] **Bryan NS**, Calvert JW, Gundewar S, Lefer DJ: Dietary Nitrite Restores NO Homeostasis and is Cardioprotective in eNOS Deficient Mice Free Radic Biol Med. 2008 Aug 15;45(4):468-74

- [23] Feelisch M, Fernandez BO, **Bryan NS**, Garcia-Saura MF, Bauer S, Whitlock DR, Ford PC, Janero DR, Rodriguez J, Ashrafian H: Tissue processing of nitrite in hypoxia: an intricate interplay of nitric oxide-generating and -scavenging systems.
J Biol Chem. 2008 Dec 5;283(49):33927-34.
- [24] Mujoo K, Sharin VG, **Bryan NS**, Krumenacker JS, Sloan C, Parveen S, Nikonoff LE, Kots AY, Murad F: Role of nitric oxide signaling components in Differentiation of embryonic stem cells into myocardial cells.
Proc Natl Acad Sci U S A. 2008 Dec 2;105(48):18924-9.
- [25] Harg H, **Bryan NS**: Dietary Sources of Nitrite as a Modulator of Ischemia-Reperfusion Injury
Kidney Int. 2009 Jun;75(11):1140-4
- [26] Perlman DH, Bauer SM, Ashrafian H, **Bryan NS**, Garcia-Saura MF, Lim CC, fernandez BO, Infusini G, McComb ME, Costello CE, Feelisch M: Mechanistic Insights Into Nitrite-Induced Cardioprotection Using an Integrated Metabonomic/Proteomic Approach.
Circ Res. 2009 Mar 27;104(6):796-804
- [27] Stokes KY, Dugas TR, Tang Y, Garg H, Guidry E, **Bryan NS**: Dietary Nitrite Prevents Hypercholesterolemic Microvascular Inflammation And Reverses Endothelial Dysfunction
Am J Physiol Heart Circ Physiol. 2009 May;296(5):H1281-8.
- [28] **Bryan NS**, Bian K, Murad F: Discovery of the nitric oxide signaling pathway and targets for drug development
Front Biosci. 2009 Jan 1;14:1-18.
- [29] **Bryan NS**: Cardioprotective Actions of Nitrite Therapy and Dietary Considerations
Front Biosci. 2009 Jan 1;14:4793-808
- [30] Hord NG, Tang Y, **Bryan NS**: Food Sources of Nitrates and Nitrites: The Physiological Context for Potential Health Benefits
Am J Clin Nutr. 2009 Jul;90(1):1-10
- [31] Tang Y, Garg H, Geng YJ, **Bryan NS**: Nitric oxide bioactivity of traditional Chinese medicines used for cardiovascular indications
Free Radic Biol Med. 2009 Sep 15;47(6):835-40.
- [32] Sanghani PC, Davis WI, Fears SL, Green SL, Zhai L, Tang Y, Martin E, **Bryan NS**, Sanghani SP: Kinetic and cellular characterization of novel inhibitors of S-nitrosoglutathione reductase
J Biol Chem. 2009 Sep 4;284(36):24354-62.
- [33] Milkowski A, Garg HK, Coughlin JR, **Bryan NS**: Nutritional Epidemiology in the Context of Nitric Oxide Biology: A Risk- Benefit Evaluation for Dietary Nitrite and Nitrate
Nitric Oxide. 2010 Feb 15;22(2):110-9.
- [34] Lim CC, **Bryan NS**, Jain M, Garcia-Saura MF, Fernandez BO, Sawyer DB, Handy DE, Loscalzo J, Feelisch M, Liao R: Glutathione Peroxidase Deficiency Exacerbates Ischemia-Reperfusion Injury in Male but not Female Myocardium: Insights into Antioxidant Compensatory Mechanisms.
Am J Physiol Heart Circ Physiol. 2009 Dec;297(6):H2144-53.

- [35] Lundberg JO, Gladwin MT, Ahluwalia A, Benjamin N, **Bryan NS**, Butler A, Cabrales P, Fago A, Feelisch M, Ford PC, Freeman BA, Frenneaux M, Friedman J, Kelm M, Kevil CG, Kim-Shapiro DB, Kozlov AV, Lancaster JR Jr, Lefer DJ, McColl K, McCurry K, Patel RP, Petersson J, Rassaf T, Reutov VP, Richter-Addo GB, Schechter A, Shiva S, Tsuchiya K, van Faassen EE, Webb AJ, Zuckerbraun BS, Zweier JL, Weitzberg E: Nitrate and nitrite in biology, nutrition and therapeutics
Nat Chem Biol. 2009 Dec;5(12):865-9.
- [36] Saijo F, Milsom AB, **Bryan NS**, Bauer SM, Vowinkel T, Ivanovic M, Andry C, Granger DN, Rodriguez J, Feelisch M: On the dynamics of nitrite, nitrate and other biomarkers of nitric oxide production in inflammatory bowel disease
Nitric Oxide. 2010 Feb 15;22(2):155-67.
- [37] Hord NG, Ghannam J, Garg HK, Berens PD, **Bryan NS**: Nitrate and nitrite content of human, formula, bovine and soy milks: implications for dietary nitrite and nitrate recommendations
Breastfeeding Medicine 2010 Oct 19.
- [38] Tang Y, Jiang H. **Bryan NS** Nitrite and Nitrate: Cardiovascular risk-benefit and metabolic effects
Curr Opin Lipidol. 2011 Feb;22(1):11-5.
- [39] Jourdain FL, Lowery AM, Melton EM, Mnaimneh S, **Bryan NS**, Fernandez BO, Park JH, Ha CE, Bhagavan NV, Feelisch M, Jourdain D: Redox-sensitivity and site-specificity of S- and N- denitrosation in proteins. PLoS One. 2010 Dec 21;5(12):e14400.
- [40] **Bryan NS**: Processed Meats and Coronary Heart Disease: Perspective and Context. Circulation. 2011 Jan 25;123(3):e16; author reply e17.
- [41] Zand J, Lanza F, Garg HK, **Bryan NS**. All-natural nitrite and nitrate containing dietary supplement promotes nitric oxide production and reduces triglycerides in humans. Nutr Res. 2011 Apr;31(4):262-9.
- [42] Mian AI, Du Y, Garg HK, Caviness AC, Goldstein SL, **Bryan NS**. Urinary nitrate might be an early biomarker for pediatric acute kidney injury in the emergency department. Pediatr Res. 2011 Aug;70(2):203-7.
- [43] Dyson A, **Bryan NS**, Fernandez BO, Garcia-Saura MF, Saijo F, Mongardon N, Rodriguez J, Singer M, Feelisch M. An integrated approach to assessing nitroso-redox balance in systemic inflammation. Free Radic Biol Med 2011 Jun 14
- [44] Aranke M, **Bryan NS**, Mian AI. Towards nitric oxide based diagnostics: call to action. Trends Mol Med. 2011 Nov;17(11):614-6.
- [45] Erez A, Nagamani SC, Shchelochkov OA, Premkumar MH, Campeau PM, Chen Y, Garg HK, Li L, Mian A, Bertin TK, Black JO, Zeng H, Tang Y, Reddy AK, Summar M, O'Brien WE, Harrison DG, Mitch WE, Marini JC, Aschner JL, **Bryan NS**, Lee B. Requirement of argininosuccinate lyase for systemic nitric oxide production. Nat Med. 2011 Nov 13;17(12):1619-26
- [46] Garcia-Saura MF, Saijo F, **Bryan NS**, Bauer S, Rodriguez J, Feelisch M. Nitroso-Redox Status and Vascular Function in Marginal and Severe Ascorbate Deficiency. Antioxid Redox Signal. 2012 Feb 5
- [47] Mian AI, **Bryan NS**, Zaidi AK. Translational Research in the developing world: molecular medicine goes global. Trends Mol Med. 2012 Mar;18(3):135-7.
- [48] Nuñez De González MT, Osburn WN, Hardin MD, Longnecker M, Garg HK, **Bryan NS**, Keeton JT. Survey of residual nitrite and nitrate in conventional and

- organic/natural/uncured/indirectly cured meats available at retail in the United States. *J Agric Food Chem*. 2012 Apr 18;60(15):3981-90.
- [49] Parthasarathy DK, **Bryan NS**. Sodium nitrite: The "cure" for nitric oxide insufficiency. *Meat Sci*. 2012 Mar 10.
- [50] Jiang H, Tang Y, Garg HK, Parthasarathy DK, Torregrossa AC, Hord NG, **Bryan NS**. Concentration- and stage-specific effects of nitrite on colon cancer cell lines. *Nitric Oxide*. 2012 Apr 5.
- [51] Nagamani SC, Campeau PM, Shchelochkov OA, Premkumar MH, Guse K, Brunetti-Pierri N, Chen Y, Sun Q, Tang Y, Palmer D, Reddy AK, Li L, Slesnick TC, Feig DI, Caudle S, Harrison D, Salviati L, Marini JC, **Bryan NS**, Erez A, Lee B. Nitric-oxide supplementation for treatment of long-term complications in argininosuccinic aciduria. *Am J Hum Genet*. 2012 May 4;90(5):836-46.
- [52] Jiang H, Torregrossa AC, Parthasarathy DK, **Bryan NS**. Natural product nitric oxide chemistry: new activity of old medicines. *Evid Based Complement Alternat Med*. 2012;2012:873210.
- [53] **Bryan NS**. Application of nitric oxide in drug discovery and development. *Expert Opin Drug Discov*. 2011 Nov;6(11):1139-54. [46]
- [54] Jiang H, Parthasarathy D, Torregrossa AC, Mian A, **Bryan NS**. Analytical Techniques for Assaying Nitric Oxide Bioactivity *J Vis Exp*. 2012 Jun 18;(64):e3722
- [55] Mujoo K, Nikonoff LE, Sharin VG, **Bryan NS**, Kots AY, Murad F. Curcumin induces differentiation of embryonic stem cells through possible modulation of nitric oxide-cyclic GMP pathway. *Protein Cell*. 2012 Jul;3(7):535-44.
- [56] Torregrossa AC, Aranke M, **Bryan NS**. Nitric oxide and geriatrics: Implications in diagnostics and treatment of the elderly. *J Geriatr Cardiol*. 2011 Dec;8(4):230-42.
- [57] **Bryan NS**, Alexander DD, Coughlin JR, Milkowski AL, Boffetta P. Ingested nitrate and nitrite and stomach cancer risk: An updated review. *Food Chem Toxicol*. 2012 Aug 4;50(10):3646-3665.
- [58] **Bryan NS**. Pharmacological therapies, lifestyle choices and nitric oxide deficiency: A perfect storm. *Pharmacol Res*. 2012 Dec;66(6):448-56.
- [59] **Bryan NS**, Torregrossa AC, Mian AI, Lindsey Berkson D, Westby CM, Moncrief JW. Acute effects of hemodialysis on nitrite and nitrate: potential cardiovascular implications in dialysis patients. *Free Radic Biol Med*. 2013 Jan 29;58C:46-51.
- [60] Mian AI, Aranke M, **Bryan NS**. Nitric oxide and its metabolites in the critical phase of illness: rapid biomarkers in the making. *Open Biochem J*. 2013;7:24-32.
- [61] Chintalgattu V, Rees ML, Culver JC, Goel A, Jiffar T, Zhang J, Dunner K Jr, Pati S, Bankson JA, Pasqualini R, Arap W, **Bryan NS**, Taegtmeyer H, Langley RR, Yao H, Kupferman ME, Entman ML, Dickinson ME, Khakoo AY. Coronary microvascular pericytes are the cellular target of sunitinib malate-induced cardiotoxicity. *Sci Transl Med*. 2013 May 29;5(187):187ra69
- [62] Jiang H, Torregrossa AC, Potts A, Pierini D, Aranke M, Garg HK, **Bryan NS**. Dietary Nitrite Improves Insulin Signaling Through GLUT4 Translocation. *Free Radic Biol Med*. 2013 Oct 21;67C:51-57.
- [63] Hyde ER, Andrade F, Vaksman Z, Parthasarathy K, Jiang H, Parthasarathy DK, Torregrossa AC, Tribble G, Kaplan HB, Petrosino JF, **Bryan NS**. Metagenomic

- analysis of nitrate-reducing bacteria in the oral cavity: implications for nitric oxide homeostasis. *PLoS One*. 2014 Mar 26;9(3):e88645.
- [64] Oostindjer M, Alexander J, Amdam GV, Andersen G, **Bryan NS**, Chen D, Corpet DE, De Smet S, Dragsted LO, Haug A, Karlsson AH, Kleter G, de Kok TM, Kulseng B, Milkowski AL, Martin RJ, Pajari AM, Paulsen JE, Pickova J, Rudi K, Sødning M, Weed DL, Egelanddal B. The role of red and processed meat in colorectal cancer development: a perspective. *Meat Sci*. 2014 Aug;97(4):583-96.
- [65] Premkumar MH, Sule G, Nagamani SC, Chakkalakal S, Nordin A, Jain M, Ruan MZ, Bertin T, Dawson BC, Zhang J, Schady D, **Bryan NS**, Campeau PM, Erez A, Lee B. Argininosuccinate lyase in enterocytes protects from development of necrotizing enterocolitis. *Am J Physiol Gastrointest Liver Physiol*. 2014 Jun 5.
- [66] Hyde ER, Luk B, Cron S, Kusic L, McCue T, Bauch T, Kaplan H, Tribble G, Petrosino JF, **Bryan NS**. Characterization of the rat oral microbiome and the effects of dietary nitrate. *Free Rad Biol Med* 2014 Dec;77:249-57
- [67] Pierini D, **Bryan NS**. Nitric oxide availability as a marker of oxidative stress. *Methods Mol Biol*. 2015; 1208:63-71.
- [68] Justice JN, Gioscia-Ryan RA, Johnson LC, Battson ML, de Picciotto NE, Beck HJ, Jiang H, Sindler AL, **Bryan NS**, Enoka, RM, Seals DR. Sodium nitrite supplementation improves motor function and skeletal muscle inflammatory profile in old male mice. *J Appl Physiol (1985)*. 2015 Jan 15;118(2):163-9.
- [69] **Bryan NS**. The potential use of salivary nitrite as a marker of NO status in humans. *Nitric oxide* 2015 Feb 15;45:4-6
- [70] Sindler AL, Cox-York K, Reese L, **Bryan NS**, Seals, DR, Gentile CL. Oral nitrite therapy improves vascular function in diabetic mice. *Diab Vasc Dis Res*. 2015 Feb 12.
- [71] Nuñez de González MT, Osburn WN, Hardin MD, Longnecker M, Garg HK, **Bryan NS**, Keeton JT. A survey of nitrate and nitrite concentrations in conventional and organic-labeled raw vegetables at retail. *J Food Sci*. 2015 May;80(5):C942-9.
- [72] **Bryan NS**. Nitric Oxide Enhancement Strategies. *Future Sci OA*. 2015 Aug 1;1(1):FSO48
- [73] **Bryan NS**, Ivy JL. Inorganic nitrite and nitrate: evidence to support consideration as dietary nutrients. *Nutr Res*. 2015 Aug;35(8):643-54
- [74] DeVan AE, Johnson LC, Brooks FA, Evans TD, Justice JN, Cruickshank-Quinn C, Reisdorph N, **Bryan NS**, McQueen MB, Santos-Parker JR, Chonchol MB, Bassett CJ, Sindler AL, Giordano T, Seals DR. Effects of sodium nitrite supplementation on vascular function and related small metabolite signatures in middle-aged and older adults. *J Appl Physiol (1985)*. 2015 Nov 25.
- [75] Justice JN, Johnson LC, DeVan AE, Cruickshank-Quinn C, Reisdorph N, Bassett CJ, Evans TD, Brooks FA, **Bryan NS**, Chonchol MB, Giordano T, McQueen MB, Seals DR. Improved motor and cognitive performance with sodium nitrite supplementation is related to small metabolite signatures: a pilot trial in middle-aged and older adults. *Aging (Albany NY)*. 2015 Nov;7(11):1004-21.
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- [78] Raizada MK, Joe B, **Bryan NS**, Chang EB, Dewhirst FE, Borisy GG, Galis ZS, Henderson W, Jose PA, Ketchum CJ, Lampe JW, Pepine CJ, Pluznick JL, Raj D, Seals DR, Gioscia-Ryan RA, Tang WHW, Oh YS. Report of the National Heart, Lung, and Blood Institute Working Group on the Role of Microbiota in Blood Pressure Regulation: Current Status and Future Directions. *Hypertension.* 2017 Jul 31. pii: HYPERTENSIONAHA.117.09699
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- [80] McMahon TJ, **Bryan NS**. Biomarkers in Pulmonary Vascular Disease: Gauging Response to Therapy. *Am J Cardiol.* 2017 Oct 15;120(8S):S89-S95
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- [85] **Bryan NS**, Lefer DJ. Update on Gaseous Signaling Molecules Nitric Oxide and Hydrogen Sulfide: Strategies to Capture their Functional Activity for Human Therapeutics. *Mol Pharmacol.* 2019 Jul;96(1):109-114
- [86] Waheed S, Kalsekar AG, Kamal AK, **Bryan NS**, Mian AI. Association of Plasma Levels of Nitric Oxide Oxidative Metabolites with Acute Stroke in Patients Presenting to the Emergency Department of a Low-Middle Income Country. *Emerg Med Int.* 2019 Jun 2;2019:9206948.
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- Evidence for Suppression of Mitochondria-Derived Oxidative Stress. Hypertension 2021 Apr;77(4):1212-1222.
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- [92] **Bryan NS**. Nitric oxide deficiency is a primary driver of hypertension. Biochem Pharmacol. 2022 Dec;206:115325.
- [93] **Bryan NS**, Ahmed S, Lefer DJ, Hord N, von Schwarz ER. Dietary nitrate biochemistry and physiology. An update on clinical benefits and mechanisms of action. Nitric Oxide. 2023 Mar 1;132:1-7.
- [94] **Bryan NS**, Molnar J, Somberg J. The Efficacy of Nitric Oxide-Generating Lozenges on Outcome in Newly Diagnosed COVID-19 Patients of African American and Hispanic Origin. Am J Med. 2023 Oct;136(10):1035-1040.e11.

EDITED BOOKS

- [1] **Bryan NS** (Editor): Food, Nutrition and the Nitric Oxide Pathway. DesTech Publishing – Pennsylvania ISBN: 978-1-932078-84-8, September 2009
- [2] **Bryan NS** and Loscalzo J (Editors) Nitrite and Nitrate in Human Health and Disease – Springer Humana Press New York ISBN: 978-1-60761-615-3, May 2011
- [3] **Bryan NS** and Loscalzo J (Editors) Nitrite and Nitrate in Human Health and Disease Second Edition– Springer Humana Press New York ISBN: 978-3-319-46189-2, Jan 2017

BOOKS CHAPTERS

- [1] **Bryan NS**, Murad F
What is Nitric Oxide? In Food, Nutrition and the Nitric Oxide Pathway (Ed) Bryan NS DesTech Publishing – Pennsylvania ISBN: 978-1-932078-84-8, September 2009
- [2] Grisham MB, **Bryan NS**

- Dysregulated NO and Disease In In Food, Nutrition and the Nitric Oxide Pathway (Ed) Bryan NS DesTech Publishing – Pennsylvania ISBN: 978-1-932078-84-8, September 2009
- [3] **Bryan NS**, Hord NG
Food Sources of nitrite and nitrate: The Physiological Context for Potential Health Benefits In Food, Nutrition and the Nitric Oxide Pathway (Ed) Bryan NS DesTech Publishing – Pennsylvania ISBN: 978-1-932078-84-8, September 2009
- [4] Huffman R, **Bryan NS**
Nitrite and Nitrate in the Meat and Food Industry In Food, Nutrition and the Nitric Oxide Pathway (Ed) Bryan NS DesTech Publishing – Pennsylvania ISBN: 978-1-932078-84-8, September 2009
- [5] **Bryan NS**, Hord NG
Regulations gone awry: Addressing public concerns In Food, Nutrition and the Nitric Oxide Pathway (Ed) Bryan NS DesTech Publishing – Pennsylvania ISBN: 978-1-932078-84-8, September 2009
- [6] **Bryan NS**, Hord NG
Diet and Endothelium – A Concert in NO Homeostasis In Food, Nutrition and the Nitric Oxide Pathway (Ed) Bryan NS DesTech Publishing – Pennsylvania ISBN: 978-1-932078-84-8, September 2009
- [7] **Bryan NS**
Paradigm Shift: From Toxic Food Additive to Indispensible Nutrient In Food, Nutrition and the Nitric Oxide Pathway (Ed) Bryan NS DesTech Publishing – Pennsylvania ISBN: 978-1-932078-84-8, September 2009
- [8] **Bryan NS** and Van Grinsven H
The Role of Nitrate in Human Health, in: Donald, S.(Ed.), Advances in Agronomy, Academic Press, 153–182. 2013 ISBN: 9780124072473
- [9] Harsha K. Garg and **Bryan NS**
Inorganic Nitrite and Nitrate are Bioactive Food Components Conferring Nitric Oxide Activity in vivo In Functional Foods for Chronic Diseases Volume 5 Diabetes and Related Diseases (Ed) N. Abate & D.K. Martirosyan Food Science Publisher – ISBN-10: 0976753561, July 2010
- [10] **Bryan NS** and Loscalzo J
Introduction In Nitrite and Nitrate in Human Health and Disease (Ed) Bryan NS and Loscalzo J. Springer-Humana Press ISBN 978-1-60761-615-3 May 2011.
- [11] Berens P and **Bryan NS**
Nitrite and Nitrate in Human Breast Milk: Implications for Development In Nitrate and Nitrite in Human Health and Disease (Ed) Bryan NS and Loscalzo J. Springer-Humana Press ISBN 978-1-60761-615-3 May 2011.
- [12] **Bryan NS** and Lancaster JL
Nitric Oxide Signaling in Health and Disease In Nitrite and Nitrate in Human Health and Disease (Eds) Bryan NS and Loscalzo J. Springer-Humana Press ISBN 978-1-60761-615-3 May 2011.
- [13] **Bryan NS** and Loscalzo J
Looking Forward In Nitrite and Nitrate in Human Health and Disease (Eds) Bryan NS and Loscalzo J. Springer-Humana Press. ISBN 978-1-60761-615-3 May 2011.

- [14] **Bryan, N.S.**, van Grinsven.H., The Role of Nitrate in Human Health, in: Donald, S.(Ed.), *Advances in Agronomy*, Academic Press, 153–182. ISBN: 9780124072473; 2013
- [15] Parthasarathy, D and **Bryan, N.S.**, Curing: Physiology of Nitric Oxide, in: Dikeman, M (Ed.) *Encyclopedia of Meat Sciences* 2nd Edition, Elsevier Publishing; 2012
- [16] Pierini, D and **Bryan, N.S.**, Nitric Oxide Availability as a Marker of Oxidative Stress in: Armstrong, D. (Ed.), *Advanced Protocols in Oxidative Stress III*, Humana Press, 2014
- [17] **Bryan, N.S.**, Nitric Oxide Enhancement Strategies, in: Friedman, A and Friedman J. (Eds), *Development and therapeutic applications of nitric oxide releasing materials* Future Science Ltd 2014
- [18] **Bryan, N.S.**, , in: *An Overview of Nitrite and Nitrate: New Paradigm of Nitric Oxide*. Debasis Bagchi (Ed), *Sustained Energy for Enhanced Human Functions and Physical Activity*
- [19] **Bryan, N.S.**, Schwarz, E., *Vascular Biology and Vascular Aging for the Clinician in Cardiovascular Medicine Textbook: An Integrative, Metabolic and Functional Medicine Approach*. Mark Houston, M.D. (Ed) Wolters Kluwer Health, Inc.
- [20] Chernoff, G., **Bryan, N.S.**, *Mesothelial Stem Cells and Stromal Vascular Fraction: Use in Functional Disorders, Wound Healing, Fat Transfer and Other Conditions in Facial Plastic Surgery Clinics in North America*. *New Trends and Technologies in Facial Plastic Surgery*. J Reagan Thomas, M.D. (Ed). Elsevier ISSN: 1064-7406
- [21] **Bryan, N.S.**, *Safe and Effective Use of Nitric Oxide Based Supplements and Nutrition for Sports Performance in Nutrition and Enhanced Sports Performance: Muscle Building, Endurance and Strength*, 2nd Edition. Debasis Bagchi (Ed). Elsevier
- [22] **Bryan NS.**, *Inorganic Nitrite and Nitrate: Dietary Nutrients or Poisons in Nitrate Handbook Environmental, Agricultural, and Health Effects* Edited by Christos Tsadilas, First Edition, 2022 Boca Raton, FI CRC Press.
- [23] **Bryan NS.**, Ernst Von Schwarz, *Vascular Biology and Vascular Aging for the Clinician in Personalized and Precision Integrative Cardiovascular Medicine* by Mark Houston, LWW 2019
- [24] Bryan NS., Ernst Von Schwarz. *The Role of Nitric oxide Supplements and Foods in Cardiovascular Disease in Nutrition and Integrative Strategies in Cardiovascular Medicine*. Houston and Sinatra, Editors. CRC Press 2021

AUTHORED BOOKS

- [1] **Nathan S. Bryan:** *Blood and Tissue Nitric Oxide Products: Formation and Physiological Significance* – ISBN: 3639178092; Aug 2009
- [2] **Nathan S. Bryan & Janet Zand with Bill Gottlieb:** *The Nitric Oxide (NO) Solution Good for you* Books Publishing – ISBN: 978-0-615-41713-4; November 2010

- [3] **Nathan S. Bryan** & Caroline Pierini: Beet the Odds – ISBN: 978-1-9888135-0-2; 2013
- [4] **Nathan S. Bryan**: Functional Nitric Oxide Nutrition: Dietary Strategies to Prevent and Treat Chronic Disease – ISBN: ISBN: 978-1-948719-00-1 (p) ISBN: 978-1-948719-01-8 (e) 2018
- [5] **Nathan S. Bryan**: The Secret of Nitric Oxide: Bringing Nitric Oxide to Life – J. Boylston Publishers; Feb 2025

INVITED LECTURES

INTERNATIONAL

- [1] Physiological Basal Nitrosation Levels: The Art of the Method (Invited Lecture) Heinrich-Heine University Division of Cardiology, Pulmonary Diseases and Angiology; Dusseldorf Germany June 2002
- [2] Nitrite-Mediated Blood and Tissue Nitros(y)ation – Society for Free Radical Biology and Medicine Meeting – St Thomas Virgin Islands Nov 2004
- [3] Nitric Oxide Enhancement Restores Endothelial Function and Combats Adverse Effects Of Homocysteine – Trivita Medical Advisory Board Meeting – Invited speaker, Vancouver BC August 2007
- [4] Dietary Nitrite and Nitrate Contribute to Cardiovascular Health and Disease — Invited Plenary Speaker Lisbon Portugal - Feb 20-24, 2008
- [5] Dietary Nitrite and Nitrate as Indispensable Nutrients International Meeting on the Role of Nitrite Physiology, Pathophysiology and Therapeutics – Invited speaker, June 18-19, 2009, Nobel Forum, Stockholm Sweden
- [6] Inorganic Nitrite and Nitrate as Novel Therapeutic Agents to Restore NO Homeostasis The Ninth Conference of Chinese Integrated Medicine on Cardiovascular Diseases in China – Invited speaker, September 5, 2009; Tianjin, China.
- [7] Inorganic Nitrite and Nitrate as Novel Therapeutic Agents to Restore NO Homeostasis – Invited speaker, Guangxi Traditional Chinese Medical University – Ruikang Hospital September 7, 2009; Nanning, China
- [8] The Nitrate-Nitrite-Nitric Oxide pathway – Invited Speaker Nitrate-Nitrite-Nitric Oxide: New Perspective for Health before World Health Organization and France National Academy of Medicine, Thursday, March 31st, 2011, Hôpital Pitié-Salpêtrière, Paris FRANCE
- [9] Nitric Oxide index of Foods: defining the context for health benefits of dietary nitrite and nitrate while mitigating risk – Invited Speaker Nitrate-Nitrite-Nitric Oxide: New Perspective for Health before World Health Organization and France National Academy of Medicine, Thursday, March 31st, 2011, Hôpital Pitié-Salpêtrière, Paris FRANCE

- [10] Emerging Health Benefits of Nitrite and Nitrate: A Change in Paradigm – Keynote Speaker International Congress of Meat Science and Technology – Montreal Canada Aug 12-17, 2012
- [11] Emerging Health Benefits of Nitrite and Nitrate: A Change in Paradigm – Mapleleaf Foods, Toronto, Canada Sept 24, 2012
- [12] Nitric Oxide Deficiency and Restoration: New Discoveries in Cardiovascular and Sexual Health – Orthomolecular Medicine Conference, Sao Paulo Brazil May 9-11, 2013
- [13] Dietary Nitrite and Nitrate: From Menace to Marvel – Canadian Nutrition Society Annual Meeting, Quebec City May 30-June 2, 2013
- [14] An Update on Nitric Oxide Research: New Innovations and Product Solutions – Canadian Health Food Association Sept 4, 2013
- [15] Why Dietary Nitrite and Nitrate May Be Good for You - Centre for Advanced Studies at The Norwegian Academy of Science and Letters, Oslo Norway Nov 6-7, 2013
- [16] New Paradigm for Regulation of Endogenous Nitric Oxide Production in Humans: The Oral Systemic Link – Karolinska Institute, Stockholm Sweden Nov 8, 2013
- [17] What is Nitric Oxide and Why Should You Care? - Canadian Health Food Association; Toronto ON, Sept 12, 2014
- [18] Nitric Oxide Deficiency & Restoration; New Discoveries in Cardiovascular & Sexual Health – Canadian Health Food Association; Vancouver BC, April 10, 2015
- [19] GSNO Reductase as a Therapeutic Target – International Nitric Oxide Conference, Sendai Japan, May 20-22, 2016
- [20] The Role of Nitric Oxide in the Management Of Hypertension, Inflammation and Cardiovascular Disease – Functional and Regenerative Medicine Auckland, NZ June 7, 2017
- [21] The Role of Nitric Oxide in Primary Care - General Practice Conference and Medical Education, Rotorua, NZ, June 8-11, 2017
- [22] Erectile Dysfunction is Endothelial Dysfunction: Understanding the Symptoms that Lead to Heart Disease- General Practice Conference and Medical Education, Rotorua, NZ, June 8-11, 2017
- [23] Nitric Oxide, So What? - General Practice Conference and Medical Education, Rotorua, NZ, June 8-11, 2017
- [24] Nitric Oxide in Heart Disease - General Practice Conference and Medical Education, Rotorua, NZ, June 8-11, 2017
- [25] What is NO and Why Should you Care? - General Practice Conference and Medical Education, Rotorua, NZ, June 8-11, 2017
- [26] Evidenced Based Therapeutic Strategies for Anti-Aging Medicine – A4M Dubai, January 19-21, 2018
- [27] Oral Microbiome, Nitric Oxide and Systemic Health – World Dental Forum – Dubai, April 2-4, 2018
- [28] The Physiological and Therapeutic Role of Nitric Oxide - Dubai External Counterpulsation Symposium and Workshop, Dubai, UAE, Sept 8-9, 2018
- [29] The Effect of Light Therapy on Nitric Oxide – Global Wellness Summit – Cessena Italy, Oct 6-8, 2018

- [30] Nitric Oxide in Acute Care - 21st National Health Sciences Research Symposium
Emergency Care: Time & Life Matter – Aga Khan University, Karachi Pakistan,
Nov 9-11, 2018
- [31] The Role of Nitric Oxide in Anti-Aging and Regenerative Medicine – Anti-Aging
Medicine Conference, Mexico City, Mexico Feb 15-17, 2019
- [32] New Paradigm in the Regulation and Production of Nitric Oxide in Humans:
Translating Basic Science – Behai, China Aug 17, 2019
- [33] New Paradigm in the Regulation and Production of Nitric Oxide in Humans:
Translating Basic Science – Guangxi University of Chinese Medicine, Nanning,
China Aug 17, 2019
- [34] Functional Nitric Oxide Nutrition to Restore Vascular Function: Optimization of
Brain Perfusion and Detoxification – Third International Forum on Nutritional
Medicine, Beijing China October 2019
- [35] The Role of Nitric Oxide for Optimal Health – Regenerative Medicine Congress,
Mexico City, Sept 13, 2020.
- [36] The Use of Nitric Oxide Generating Lozenge to Prevent Rapid Progression of
COVID-19 and Other Health Benefits – Kathmandu Nepal, Norvick International
Hospital, Aug 2021.
- [37] Importance of Nitric Oxide in Health, Hormones and Circulation –
Arsinal, Andorra, Biohacking and Longevity Convention July 5-7, 2024
- [38] The Role of Nitric Oxide in Regenerative Medicine - 10th International Congress
on Longevity and Integrative Therapies, keynote lecture – Sao Paulo Brazil; Nov
16, 2024
- [39] Are You Building Bridges or Walls to Traditional Medicine? – Dubai, UAE; Health
2.0; Dec 5, 2024

NATIONAL

- [1] Formation and Physiological Significance of Blood and Tissue
Nitrosation/Nitrosylation Products – Invited Seminar Speaker LSU Health
Sciences Center June 2004
- [2] Dietary Nitrite Contributes to Cardiovascular Health and Disease – Institute of
Food Technologists – Invited Speaker Chicago IL July 2007
- [3] Dietary Nitrite and Nitrate Contribute to Cardiovascular Health and Disease –
Worldwide Food Expo, Plenary speaker – Chicago, IL Oct 2007
- [4] Dietary Nitrite and Nitrate Contribute to Cardiovascular Health and Disease –
Invited Speaker LSU Health Science Center Dept of Molecular and Cellular
Physiology – Jan 23, 2008
- [5] Dietary Nitrite and Nitrate Contribute to Cardiovascular Health and Disease –
invited Speaker Michigan State University Dept of Food Science and Human
Nutrition – Feb 30, 2008
- [6] Nitrites: Essential to Health? A New Story About an Old Antimicrobial.
International Association for Food Protection Annual Conference – Invited
speaker, Aug 6, 2008, Columbus Ohio.
- [7] Dietary Nitrite and Nitrate as Indispensable Nutrients

- Kraft Meat Summit – Invited speaker, June 25, 2009 Madison Wisconsin
- [8] Dietary Nitrite and Nitrate as Indispensable Nutrients
University of Wisconsin Dept of Animal Science – Invited speaker, June 26, 2009
Madison Wisconsin
- [9] Inorganic Nitrite and Nitrate are Bioactive Food Components Conferring Nitric
Oxide Activity in vivo – Invited speaker, Functional Foods Conference Dec 4-5,
2009 Denton Texas
- [10] Nature's NO: Novel Strategies to Restore Nitric Oxide Homeostasis – Invited
Speaker, Wake Forest Nitrogen Oxide Meeting, Farmington, PA, May 28-30,
2010 – Nemaacolin Resort
- [11] Dietary Nitrite and Nitrate: From Menace to Marvel – Invited Speaker – Invited
Speaker, Reciprocal Meat Conference, Lubbock Texas June 20-23, 2010
- [12] Nitric Oxide in Health and Disease – Invited speaker, Austin Functional Medicine
Group – Oct. 28, 2010 Austin, TX
- [13] Nitric Oxide in Health and Disease – Invited Speaker, San Antonio Functional
Medicine Group – Nov. 3, 2010, San Antonio Tx
- [14] Approaches for Diagnosing and Restoring Nitric Oxide Production in Humans –
Invited Speaker – Wake Forest University Translational Science Center – April 4,
2011, Winston-Salem NC.
- [15] Nitric Oxide: The Overlooked Molecule in Patient Care – Invited Speaker – CME
lecture – American Academy of Anti-Aging Medicine Conference – April 7, 2011
Orlando FL
- [16] Nature's NO: Harnessing the Therapeutic Potential of The Nitrate-Nitrite-Nitric
Oxide Pathway from Natural Products – Invited Speaker – Approaching the
Clinic: Nitrite and Nitrate Conference – May 11-13, 2011 Atlanta GA
- [17] Nitric Oxide in Health and Disease – Invited speaker, Pastoral Medical
Association – May 21, 2011 Austin, TX
- [18] Nitric Oxide Diagnostics and Therapeutics – Invited Speaker – International
Conference and Exhibition on Clinical Research: Dermatology, Ophthalmology
and Cardiology – San Francisco, CA July 5-6, 2011-07-25
- [19] Nitrite and Nitrate in Health and Disease: A Paradigm Shift – Invited Speaker -
Joint Annual Meeting: ADSA and ASAS 2011 July 12, 2011 New Orleans, LA
- [20] Nitric Oxide: The Miracle Molecule – Invited Speaker – Synergy Medical Group
July 22-23, 2011 Salt Lake City, Utah
- [21] Nitric Oxide in Health and Disease: A New Paradigm for Healthy Living – Invited
speaker – Exxon Annual Safety Meeting; Heart Health Aug. 8, 2011 Houston, TX
- [22] Nitric Oxide in Health and Disease: An update on Current Research – Invited
Speaker, Synergy Medical Group – Phoenix AZ Oct 28, 2011
- [23] Nitric Oxide in Health and Disease: An Overview of Current Research – Invited
Speaker - 14th International Congress of BioEnergetic Medicine, Nov 4, 2011
Orlando FL.
- [24] Nitric Oxide: The Overlooked Molecule in Patient Care – Keynote Lecture, CME
- 19th Annual World Congress on Anti-Aging and Aesthetic Medicine Las Vegas,
NV – December 8-10, 2011
- [25] Nitric Oxide in Health and Disease: An Overview of Current Research – Invited
speaker – Hawaii Spa Marketplace, Honolulu HI Jan 23, 2012

- [26] A Novel Method for Nitric Oxide Production – Invited speaker – American Academy of Ozonotherapy, Dallas, TX Feb 17-18, 2012
- [27] Nitric Oxide in Health and Disease: An Overview of Current Research – Invited speaker – Crossroads Apothecary, Columbia, MD March 16, 2012
- [28] Novel Strategies to Diagnose and Restore Nitric Oxide Production in Humans – Invited Speaker – Hawaii Institute of Molecular Education, Las Vegas NV June 5-6, 2012
- [29] Nitric Oxide Signaling: Its Physiological Importance to Nitrite, Nitrate and Nitrosation Reactions – Institute of Food Technologies, Las Vegas, NV June 28, 2012
- [30] Nitric Oxide in Health and Disease: An Overview of Current Research – Empowered Doctors, Miami, FL Aug 8, 2012
- [31] Nitric Oxide in Health and Disease: An Overview of Current Research – Leadership and Longevity Conference, Green Bay WI Oct 25-26, 2012
- [32] Nitric Oxide in Health and Disease: An Overview of Current Research – Heart Institute of Southern California; Temecula, CA Jan 31, 2013
- [33] Nitric Oxide in Health and Disease: An Overview of Current Research – Physician training, Newport Beach CA Feb 2, 2013
- [34] Nitric Oxide in Health and Disease: An Overview of Current Research – Heart Attack and Stroke Prevention Alliance, Dallas TX Feb 16, 2013
- [35] Nitrite and Nitrate in Health and Disease – Invited Lecture University of Colorado, Dept of Integrative Physiology, Boulder, CO Feb 25, 2013
- [36] Nitric Oxide Generating Bacteria Affect Cardiovascular Health of Host: Linking Oral Health to Cardiovascular Disease – Holistic Dental Assn, Washington, DC April 19, 2013
- [37] Nitric Oxide Deficiency & Restoration: New Discoveries in Cardiovascular & Sexual Health – Age Management Medicine Group, Hollywood FL, May 2, 2013
- [38] An Update on Nitric Oxide Research – Baylor College of Medicine, Dept of Obstetrics and Gynecology Aug 19, 2013.
- [39] The Role of Nitric Oxide in Pain, Inflammation and Arthritis – Florida Chiropractors Assn, Orlando FL Aug 24, 2013
- [40] Oral Microbial Nitric Oxide Production Linking Oral Health & Cardiovascular Disease – International Academy of Biological Dentistry and Medicine, Houston, TX, Oct 11-13, 2013.
- [41] New Paradigm on the Production and Regulation of Nitric Oxide: Advancements in Diagnostics and Therapeutics – Invited Lecture Houston Methodist Research Institute, Department of Cardiovascular Sciences, January 24, 2014
- [42] Revolutionary Advancement in Nitric Oxide(NO): Renewal beyond L-Arginine. The Premise for Health, Cellular Anti-Aging, Prevention & Disease Management; American Academy of Ozonotherapy, Dallas TX March 26, 2014
- [43] New Paradigm for Regulation of Endogenous Nitric Oxide in Humans: The Oral Systemic Link, Dallas TX April 12, 2014.
- [44] Nitric Oxide, Menopause and Female Sexual Arousal Disorder – Invited Lecture – CME at the American Academy of Anti-aging Medicine; Orlando FL May 17, 2014.

- [45] The Truth About Dietary Nitrates and Mechanisms for Nitric Oxide Production in Humans at the Collegiate and Professional Sports Dietician Association (CPSDA); Scottsdale AZ, May 20, 2014
- [46] The Role of Nitric Oxide in Gastrointestinal Health and Chronic Disease - 12th Annual Restorative Medicine Conference Santa Fe, NM, Oct 8-12 2014
- [47] The Truth About Dietary Nitrates and Mechanisms for Nitric Oxide Production in Humans – The Food and Nutrition Conference and Expo, Atlanta, GA Oct 20, 2014
- [48] The Role of Nitric Oxide in Cellular Aging: Telomeres, Mitochondria and Stem Cells – Academy of Comprehensive Integrative Medicine Santa Fe, NM Oct 24, 2014
- [49] Advancements in Nitric Oxide Diagnostics and Therapeutics: Combatting Sexual Dysfunction for Men and Women – Age Management Medicine Group, Las Vegas NV Nov 7, 2014
- [50] The Role of Bacteria in Anti-Aging Medicine: Nitric Oxide and Beyond – American Academy of Anti-Aging Medicine, Las Vegas, NV Dec 12, 2014
- [51] Clinical Use of Nitric Oxide Therapy – American Academy of Ozonotherapy, Dallas TX Feb 20, 2015
- [52] Sodium Nitrite: The Cure for Cardiovascular Disease – Iowa State University, Department of Animal Science Seminar Series, Ames, IA March 27, 2015
- [53] Nitric Oxide Supplementation: The Good, the Bad and The Ugly – Austin Functional Medicine, Austin, TX March 12, 2015
- [54] Chiropractic Nitric Oxide Nutrition – Fetterman Chiropractic Organization, Milwaukee, WI, April 18, 2015
- [55] Nitric oxide Supplementation: Biochemistry and Physiology – Weber Medical Symposium, Boca Raton, FL April 25, 2015
- [56] Sodium Nitrite: The Cure for Cardiovascular Disease – Kemin, Des Moines, IA April 27, 2015
- [57] Nitric Oxide and Stem Cell Therapy – American Academy of Anti-Aging Medicine, Hollywood FL May 8, 2015
- [58] New Paradigm in the Regulation and Production of Nitric Oxide in Humans: Translating Basic Science – LSU Health Science Center at New Orleans, New Orleans, LA May 11, 2015
- [59] Improving Clinical Outcomes in Vascular Disease by Enhancing Nitric Oxide Production – Professional Compounding Centers of America, Houston, TX June 11, 2015
- [60] Nitric Oxide in Regenerative Medicine – Cell Surgical Network, Beverly Hills, CA June 27, 2015
- [61] Chiropractic Nitric Oxide Nutrition – Fetterman Chiropractic Organization, Toledo, WI, April 18, 2015
- [62] Nitric Oxide and Sexual Function: New Discoveries And Innovations in Diagnostics and Therapeutics - American Naturopathic Medical Association, Las Vegas NV, August 29, 2015
- [63] Chiropractic Nitric Oxide Nutrition – Fetterman Chiropractic Organization, Green Bay, WI, September 24, 2015

- [64] Chiropractic Nitric Oxide Nutrition – Fetterman Chiropractic Organization, Stevens Point, WI, April 18, 2015
- [65] Vascular Inflammation and Nitric Oxide: Bridging Diagnostics to Personalized Therapies – Cleveland Heart Lab Continuing Medical Education, August 8, 2015
- [66] Erectile Dysfunction is Endothelial Dysfunction: Understanding the Symptoms that Lead to Heart Disease – Age Management Medicine Group, Las Vegas, NV November 6, 2015
- [67] The Role of Nitric Oxide in Regenerative Medicine – Select Biosciences, San Diego, CA November 9, 2015
- [68] The Role of Nitric Oxide in Health and Aging: From Telomeres to Sexual Function - American Functional Medicine Association Atlanta, GA, November 13, 2015
- [69] Chiropractic Nitric Oxide Nutrition – Fetterman Chiropractic Organization, La Cross, WI, December 5, 2015
- [70] Inflammation and Sexual Dysfunction: Nitric Oxide as the Common Denominator – American Academy of Anti-Aging Medicine, Las Vegas, NV December 12, 2015
- [71] The Role of Nitric Oxide in Regenerative Medicine – Cell Surgical Network, Rancho Mirage, CA February 20, 2016
- [72] Erectile Dysfunction is Endothelial Dysfunction: Understanding the Symptoms that Lead to Heart Disease – Tennessee Osteopathic Medical Association, Chattanooga, TN, April,28 - May 1, 2016
- [73] The Role of Nitric Oxide in Regenerative Medicine – Cell Surgical Network, Beverly Hills, CA June 4, 2016
- [74] Role of Nitrate Reducing Oral Bacteria on Systemic Blood Pressure: Mechanisms of the Oral-Systemic Link – National Institutes of Health NHLBI Working Group, Bethesda MD June 10, 2016
- [75] Nutritional Strategies for Restoration of Nitric Oxide in Humans – International and American Associations of Clinical Nutritionists, Jacksonville, FL August 11-13, 2016
- [76] The Role of Oral Bacteria in Systemic Nitric Oxide Production in Humans: The Mechanism Behind the Oral-Systemic Link – The International Academy of Oral Medicine and Toxicology, Reno, NV Sept 9-10, 2016
- [77] Dietary Nitrite and Nitrate: From Menace to Marvel – Plenary Lecture, Functional Food Conference, Harvard Medical School, Boston MA Sept 22-23, 2016
- [78] Erectile Dysfunction is Endothelial Dysfunction: Understanding the Symptoms that Lead to Heart Disease – American Functional Medicine Association, Atlanta, GA Nov 10-12, 2016
- [79] The unknown nutrient: Discovery of the health benefits of dietary nitrate – International Conference on Food Chemistry and Technology, Las Vegas, NV, Nov 14-16, 2016
- [80] The Role of Nitric Oxide in Regenerative Medicine – Cell Surgical Network, Jacksonville, FL, Feb 2-4, 2017
- [81] The Role of Nitric Oxide in Regenerative Medicine – Academy of Regenerative Practice, Ft. Lauderdale, FL, Feb 24-26, 2017

- [82] The Role of the Oral Microbiota in Hypertension – American Academy of Anti-Aging Medicine, Hollywood, FL, April 7-8, 2017
- [83] Dietary Nitrite and Nitrate: From Menace to Marvel – Grocers Manufacturers Association, Washington, DC, April 20, 2017
- [84] Hypertension, Inflammation and Nitric Oxide – Age Management Medicine Group, Orlando, FL, April, 27-30, 2017
- [85] Oral Microbiome and Nitric Oxide: Mechanisms into the Oral Systemic Link – Ground Rounds NOVA Southeastern University, Ft. Lauderdale, FL, May 12, 2017
- [86] Clinical Applications of Nitric Oxide – Regenerative Medicine Business Summit, St. Cloud, MN, May 19, 2017
- [87] Dietary Nitrite and Nitrate: From Menace to Marvel – Keynote Lecture, International Conference on Food & Nutrition, Las Vegas, Nevada, USA May 22-24, 2017
- [88] Nitric Oxide is Required for Stem Cell Mobilization and Differentiation – Cell Surgical Network, Beverly Hills, CA June 2-3, 2017
- [89] The Role of Nitric Oxide in Oxidative Stress & Pain – Florida Academy of Pain Medicine, Orlando, FL, June 16-18, 2017
- [90] Dietary Nitrate and Nitrite: Risk Benefit Analysis for Human Health and Performance – International Society of Sports Nutrition, Phoenix, AZ July 22-24, 2017
- [91] The Role of Nitric Oxide in Health and Disease; Keynote – Florida Food and Nutrition Symposium, Fort Lauderdale, FL. July 16, 2017
- [92] Oral Microbiome and Nitric Oxide: The Missing Link in the Treatment of Hypertension – American Naturopathic Medical Association, Las Vegas, NV. August 25-27, 2017
- [93] Vascular Inflammation: Cooling the Heat with Nitric Oxide – Innovision Media, Minneapolis, MN. Sept 22-23, 2017
- [94] The Clinical Use of Nitric Oxide in Dental Medicine – International Association of Biological Dentistry and Medicine, Houston, TX. October 19-21, 2017
- [95] The Role of Nitric Oxide in Regenerative Medicine – MedRebels Cell Therapy Training, Austin, TX. Oct 26-28, 2017
- [96] The Role of Nitric Oxide in Regenerative Medicine – Pacific Regenerative Medicine Conference, Honolulu, HI. Nov 6-7, 2017
- [97] The Role of Oral Bacteria in Gut and Brain Health – Innovision Media, Clearwater, FL. Nov 10-11, 2017
- [98] The Role of Nitric Oxide in Regenerative Medicine – Academy of Regenerative Practices, Weston, FL. March 2-3, 2018
- [99] Functional Nitric Oxide Nutrition – Florida Academy of Nutrition and Dietetics – Keynote Lecture, Fort Lauderdale, FL. March 10, 2018
- [100] Nitric Oxide Past, Present and Future: Cardiovascular Implications in Adaptation to Space Travel – Grand Rounds NASA. April 10, 2018
- [101] The Effects of Nitric Oxide on Performance And Cardiovascular Health – Sports, Cardiovascular and Wellness Nutrition (SCAN) Conference, Keystone, CO. May 4, 2018

- [102] Nitric Oxide Overview: History of Discovery And Fundamentals of Production - WholeHealth Integration Summit: Linking Mind-Body-Mouth-Airway-Sleep – Washington DC, May 18-19, 2018
- [103] Nitric Oxide is the Requisite Signal For Stem Cell Function – Cell Surgical Network, Beverly Hills, CA, June 1-3, 2018
- [104] The Role of Nitric Oxide in Bio-Energetic Medicine - Tennant Institute Dallas, TX – Sept 13-15, 2018
- [105] Chiropractic Nitric Oxide Nutrition – Fetterman Education, Wassua, WI, Sept 29, 2018
- [106] The Role of Nitric Oxide in Vascular Function – Worldlink Medical Congress, Oct, 5-7, 2018
- [107] Strategies to Optimize Regenerative Medicine Outcomes: the Role of Nitric Oxide - Med Rebels Regenerative Medicine Symposium, Austin, TX Oct 25-27, 2018
- [108] The Role of Nitric Oxide in the Treatment and Prevention of Chronic Disease – Can Chronic Disease be Reversed Medical Conference, Orlando, FL, Feb 1-2, 2019
- [109] Strategies to Optimize Regenerative Medicine Outcomes: the Role of Nitric Oxide – Academy of Regenerative Practices, Westin, FL. March 22-23, 2019
- [110] How Not to Die From Cardiovascular Disease: My Story of Discoveries and Life Lessons Learned Along The Journey – Burleson County Chamber of Commerce Keynote Lecture, Caldwell, TX April 12, 2019
- [111] How Not to Die From Cardiovascular Disease: My Story of Discoveries and Life Lessons Learned Along The Journey – Washington County Chamber of Commerce Keynote Lecture, Caldwell, TX June 5, 2019
- [112] Strategies to Optimize Regenerative Medicine Outcomes: the Role of Nitric Oxide – Breakthrough Discoveries in Regenerative Medicine, Beverly Hills, Ca. June 22, 2019
- [113] Strategies to Optimize Regenerative Medicine Outcomes: the Role of Nitric Oxide, Aesthetic Conference, Las Vegas Nv July 11-14, 2019
- [114] Physiology and Supplementation of Nitric Oxide for the Treatment of Peripheral Neuropathy - The Association of Extremity Nerve Surgeons (AENS) 2019 Annual Symposium – Atlanta, GA Nov 8-10, 2019
- [115] Nitric Oxide and Mental Health – Keynote Address, American Academy of Anti-Aging Medicine Annual Conference, Las Vegas, NV Dec 12-14 2020
- [116] Nitric Oxide and Chronic Disease: You Can't Live Without It – Can Chronic Disease Be Reversed, 3rd annual Conference, Tampa Bay, FL, Feb 13-15, 2020
- [117] The Role of Nitric Oxide in Regenerative Medicine – International Cell Surgical Society, Las Vegas, NV, June 4-5, 2020
- [118] The Role of Nitric Oxide in Optimal Health – Allen Family Drug, Dallas Tx, Aug 2020
- [119] Functional Nitric Oxide Nutrition – Fetterman Chiropractic Organization, Milwaukee, WI, October 17, 2020
- [120] Translation of Nitric Oxide Based Therapies – U.S. Neuropathy Centers, Atlanta, Ga, Dec 2020

- [121] The Role of Nitric Oxide in Optimal Health – International Cell Surgical Society, Las Vegas, NV, June 3-5, 2021
- [122] The Role of Nitric Oxide in Regenerative Aesthetics – Aesthetics Show, Las Vegas, NV, July 7-11, 2021
- [123] Nitric Oxide: A Natural Therapy for Chronic Disease – American Naturopathic Medical Association, Las Vegas, NV Aug 27-30, 2021
- [124] Innovations in Nitric Oxide Based Therapies For Human Disease – International Academy of Oral Medicine and Toxicology, Bellevue, WA, Sept 23-26, 2021
- [125] Functional Nitric Oxide Nutrition – Fetterman Chiropractic Education, Sept 25, 2021
- [126] Physiology and Supplementation of Nitric Oxide for the Treatment of Peripheral Neuropathy – Association of Extremity Nerve Surgeons, Golden, CO Nov 5-7, 2021
- [127] Light Therapy and Nitric Oxide: From Skin Health to Hypertension – AmSpa, Las Vegas, Jan 27-30, 2022
- [128] Nitric oxide as the oral systemic link: From COVID-19 to heart attacks – International Academy of Oral Medicine and Toxicology, New Orleans, LA, March 3-6, 2022
- [129] How to Optimize Nitric Oxide in the Human Body – Biohacking Congress, Las Vegas, NV March 19-20, 2022
- [130] Nitric Oxide and Chronic Disease: You Cannot Live Without It – Senergy Medical, Dallas, Tx March 24, 2022
- [131] Nitric Oxide as a Prevention and Treatment of Cardiovascular and COVID19 - American Osteopathic Society of Rheumatic Diseases, Las Vegas, NV March 25, 2022
- [132] Functional Nitric Oxide Nutrition – Fetterman Chiropractic Education, Milwaukee, WI, April 1, 2022
- [133] Nitric Oxide for the Prevention and Treatment of Cardiovascular Disease with a Splash of Covid 19 – Congress of Medical Excellence, Dallas, TX April 3, 2022
- [134] How to Optimize Nitric Oxide in the Human Body, The Wellness Way, Orlando, FL. April 9, 2022
- [135] How to Optimize Nitric Oxide in the Human Body, How Do You Health, Austin, TX. April 22, 2022
- [136] Menopause and Female Sexual Arousal Disorder – American Academy of Anti-Aging Medicine, Hollywood, FL, April 28-30, 2022
- [137] Nitrate for Athletic Performance: Understanding the How and Why – Academy of Nutrition and Dietetics, May 11, 2022
- [138] Optimization of Ozone Therapy with Nitric Oxide – American Academy of Ozonotherapy, Denver, CO, June 2-3, 2022
- [139] The Essential Requirement of Nitric Oxide in Regenerative Medicine – International Cell Surgical Society, June 9-11, 2022
- [140] How to Optimize Nitric Oxide in the Human Body – Biohacking Congress, Boston, MA June 11-12, 2022
- [141] Nitric Oxide and Chronic Disease: You Cannot Live Without It – Senergy Medical, Dallas, Tx June 23, 2022

- [142] Nitric oxide as the oral systemic link: From COVID-19 to heart attacks - International Academy of Biological Dentistry and Medicine, July 9,2022
- [143] Nourishing the Skin Inside and Out with Nitric Oxide – Aesthetics Show, July 11, 2022
- [144] Nitric Oxide Biochemistry and Translation to Clinical Medicine – Quicksilver Scientific, Denver, CO Aug 30, 2022
- [145] How to Optimize Nitric Oxide in the Human Body – Biohacking Congress, Miami, FI Oct 21, 2022
- [146] Nitric Oxide is Required for Cellular Regeneration – American Academy of Anti-Aging Medicine, Las Vegas, NV, Dec 9, 2022
- [147] Nitric Oxide and Performance – Mr. Olympia, Las Vegas, NV, Dec 16, 2022
- [148] How to Optimize Nitric Oxide in the Human Body – Biohacking Congress, Austin, TX, Feb 4, 2023
- [149] Cracking the Code of Clinical Translation of Nitric Oxide Science – Keynote Lecture, Gordon Research Seminar, Ventura, CA, Feb 11, 2023
- [150] Cracking the Code of Clinical Translation of Nitric Oxide Science – Gordon Research Conference, Ventura, CA, Feb 13, 2023
- [151] Role of the Oral Microbiome in Maintaining Systemic Blood Pressure – Holistic Dental Assn, Las Vegas, NV March 31,2023
- [152] Nitric Oxide: Connecting Oral and Systemic Health – Integrative Dental Medicine Scholar Society, St. Petersburg, FL, April 20, 2023
- [153] Nitric Oxide: Beyond Hypertension – Personalized Lifestyle Medicine Institute, Chicago, IL, April 22,2023
- [154] Nitric Oxide: The Master Regulator of Acute and Chronic Inflammation – American Academy of Anti-Aging Medicine, Orlando, FI, May 19, 2023
- [155] Nitric Oxide in Regenerative Medicine – International Cell Surgical Society, Las Vegas, NV June 1-3, 2023
- [156] Biohacking your Brain and Sex Organs with Nitric Oxide - Biohacking Conference, Orlando, FI, June 22-24, 2024
- [157] Nitric Oxide: Connecting Oral and Systemic Health – American Academy of Oral Systemic Health, Dallas, Tx Aug 24, 2023
- [158] Importance of Nitric Oxide in Health and Disease – Raadfest, Anaheim, Ca, Sept 7-10, 2023
- [159] Basic Understanding of Nitric Oxide in Humans – Fetterman Chiropractic, Milwaukee, Wi, Sept 22, 2023
- [160] Nitric Oxide as a Hormone – American Academy of Anti-Aging Medicine Bio-Identical Hormone Replacement Symposium, Chicago, Il, Sept 30, 2023
- [161] The Microbiome and Nitric Oxide: Connecting Oral and Systemic Health – Pioneering the Microbiome Symposium, Hollywood, FI, Oct 21, 2023
- [162] Nitric Oxide: How to Restore Endogenous Production – Health Freedom Symposium, Scottsdale, AZ Nov 5, 2023
- [163] Better Circulation for Better Health and Safety – Truckers Health Network Symposium, Mesa, Az Nov 10, 2023
- [164] The Synergy Between Telomerase and Nitric Oxide – American Academy of Anti-Aging Medicine, Preconference workshop, Las Vegas, Nv, Dec 13, 2023

- [165] The Key to Longevity: Regulating Telomeres, Stem Cells and Mitochondria, Las Vegas, Nv, Dec 14, 2023
- [166] Basic Understanding of Nitric Oxide in Humans – Fordham Page Nutrition Study Club, Washington DC March 1, 2024
- [167] Basic Understanding of Nitric Oxide in Humans – Fetterman Chiropractic, Wasau, Wi March 2, 2043
- [168] The Role of the Oral Microbiome in Regulating Systemic Blood Pressure – Holistic Dental Assn, Herndon, Va April 12, 2024
- [169] Improvements in Sexual Performance and Cognition with Nitric Oxide – Changing Life and Destiny Annual Congress, Plano, TX April 12-14, 2024
- [170] The Race for Longevity Begins with the Search for Nitric Oxide – Changing Life and Destiny Annual Congress, Plano, TX April 13, 2024
- [171] Nitric Oxide Signaling to Overcome Metabolic Disease – American Academy of Anti-Aging Medicine, West Palm Beach, FL, May 5, 2024
- [172] Nitric Oxide, Blood Pressure and Totality of Care – Integrative Dental Medicine Scholar Society, Knoxville, TN, May 18, 2024
- [173] Biohacking your Brain and Sex Organs with Nitric Oxide – Biohacking Conference, Dallas, TX May 30, 2024
- [174] Nitric Oxide in Regenerative Medicine – International Cell Surgical Society Conference, Las Vegas, NV, June 8, 2024
- [175] Dentistry's Role in Regulating Nitric Oxide and Blood Pressure – American Dental Association, Chicago, IL, June 21, 2024
- [176] Nitric Oxide: The Foundation for Longevity and Optimal Health – RaadFest, Anaheim, Ca. Sept 6, 2024.
- [177] Nitric Oxide As A Hormone: Understand How to Replace a Missing Gas – American Academy of Anti-Aging Medicine; Los Angeles, CA Sept 20, 2024
- [178] Enhance IV Therapy and Cellular Uptake with Nitric Oxide – American Academy of Anti-Aging Medicine, Boston, MA. Oct 24, 2024
- [179] Basic Mechanisms of Nitric Oxide Production and Signaling – American Academy of Anti-Aging Medicine Preconference Workshop, Las Vegas, NV Dec 12, 2024
- [180] Strategies to Restore Nitric Oxide Production - American Academy of Anti-Aging Medicine Preconference Workshop, Las Vegas, NV Dec 12, 2024
- [181] Longevity and Health Span Begins in the Mouth - American Academy of Anti-Aging Medicine, Las Vegas, NV Dec 13, 2024

MEETING PRESENTATIONS

INTERNATIONAL

- [1] Detection of Basal Levels of N-Nitrosamines and S-Nitrosothiols Throughout the Organ System – International Conference on Nitric Oxide Prague, Czech Republic June 2002

- [2] Arginosuccinate Lysate is An Essential Regulation of Nitric Oxide Production
Nitric Oxide Gordon Conference – March 1-6, 2009 Barga, Italy
- [3] Metagenomic Analysis of Bacteria from Human Tongue Scrapings Reveals Novel
Bacterial Communities that Contribute Nitrite and Nitric Oxide to the Host –
International Nitric Oxide Conference, Edinburgh, Scotland July 22-26, 2012
- [4] Emerging Health Benefits of Nitrite and Nitrate: A Change In Paradigm –
International Congress on Meat Science and Technology, Montreal, Canada,
August 12-17, 2012

NATIONAL

- [1] On the Occurrence of Endogenous Nitros(yl)ation Products in Blood and Tissue
– Experimental Biology Conference, San Diego CA, April 2003.
- [2] Vitamin C Deficiency Evokes Redox Signaling via Nitrite – Society for Free
Radical Biology and Medicine Meeting – Austin TX Nov 2005
- [3] A NObonomic Approach to Unraveling Complex Nitric Oxide Biology –
Department of Integrative Biology and Pharmacology, The University of Texas
Houston Medical School – Department Seminar Series, Nov 2006
- [4] Alterations in Dietary Nitrite Modulate the Severity of Ischemia-Reperfusion Injury
– Society for Free Radical Biology and Medicine Meeting – Denver CO Nov 2006
- [5] Dietary Nitrite Supplementation Restores NO/nitroso Homeostasis in Endothelial
Dysfunction and Atherosclerosis – Second International Meeting on the Role of
Nitrite in Physiology, Pathophysiology and Therapeutics – Bethesda MD Sept
2007
- [6] Dietary Nitrite and Nitrate Contribute to Cardiovascular Health and Disease – UT
Houston Institute of Molecular Medicine Seminar Series – Oct 2007
- [7] Novel Strategies to Replete NO Homeostasis: Emerging New Paradigms – UT
Health Science Center Institute of Molecular Medicine Oct 9, 2009
- [8] Concentration and Stage Specific Effects of Nitrite on Colon Cancer – American
Institute for Cancer Research – Oct 2010 Washington DC
- [9] Concentration and Stage Specific Effects of Nitrite on Colon Cancer – Society for
Free Radical Biology and Medicine Conference – Nov 17-21, 2010; Orlando FL
- [10] Novel Combination of Beet Root and Hawthorn Promotes Nitric Oxide Production
and Lowers Triglycerides in Humans – Seventh International Conference on
Functional Foods for Chronic Disease – Dec 3-4, 2010, Dallas Tx .
- [11] Unique Combination of Beet Root and Hawthorn Berry Promotes Nitric Oxide
Production and Lowers Triglycerides in Humans – Experimental Biology Meeting
– April 10, 2011 Washington DC
- [12] Nitric Oxide and Diabetes: Cause and Effect – American Academy of Anti-Aging
Medicine – Continuing Medical Education, Orlando FL, May 18-19, 2012.
- [13] The Implications of Nitric Oxide Production and its Relation to Cardiovascular
Heath – International Academy of Oral Medicine and Toxicology, Minneapolis,
MN Sept 21-22, 2012

- [14] ATP Energy Production is Linked to Nitric Oxide - The Importance for Sexual and Exercise Performance - 20th Annual World Congress on Anti-Aging and Aesthetic Medicine Orlando FL – April 11-13, 2013
- [15] Nitrite and Insulin Signaling – Fifth International Nitrite and Nitrate Meeting – Pittsburgh, PA May 4-6, 2013.
- [16] The Role of Nitric Oxide in Cellular Aging: Telomeres, Mitochondria & Stem Cells – American Academy of Anti-Aging Medicine, Las Vegas NV Dec 13-15, 2013
- [17] The Role of Nitric Oxide in Inflammation, Arthritis & Pain Mediation – Florida Chiropractic Association, Destin, FL Feb 7-8, 2014
- [18] Revolutionary Advancements in Nitric Oxide – Integrative Healthcare Symposium – New York New York Feb 20-22, 2014
- [19] The Therapeutic Effects of a Nitric Oxide Generating Lozenge that Utilizes Natural Product Chemistry – International Nitric Oxide Conference, Cleveland OH, June 19, 2014
- [20] Therapeutic Effects of a Nitric Oxide-Generating Lozenge that Utilizes Natural Product Chemistry - Controversies and Advances in the Treatment of Cardiovascular Disease The Fourteenth in the Series, Beverly Hills CA Nov 20, 2014
- [21] Therapeutic Effects of a Nitric Oxide-Generating Lozenge that Utilizes Natural Product Chemistry - 30th Annual “Interventional Cardiology” symposium, Snowmass, CO March 5, 2015
- [22] Nitric Oxide Restoration: How to Find a Product that Works – Scripps Natural Supplement Conference, San Diego, CA January 27, 2016
- [23] Nitrite, the Microbiome and Blood Pressure – Nitric Oxide Gordon Conference, Ventura, CA Feb 19-24, 2017
- [24] The Oral Microbiome and Hypertension – Experimental Biology, APS, San Diego CA, April 22, 2018
- [25] Natural Product Chemistry and Nitric Oxide Production: New Strategies for NO Based Therapeutics – Experimental Biology, ASPET, San Diego CA, April 22, 2018
- [26] Evidence for Consideration of Dietary Guidelines for Nitrite and Nitrate – Functional Food Conference, Session Chair, San Diego CA, April 24, 2018
- [27] The Contribution of Oral Anaerobes to Hypertension: Is There NO Link? - The 14th Biennial Congress of the Anaerobe Society of the Americas, Las Vegas, NV July 9-12, 2018
- [28] Dietary Nitrite and Nitrate: From Menace to Marvel - Symposium: Is It Time to Change the Paradigm for Food Toxicology? Nitrate as a Case Study, Institute of Food Technology Annual Meeting, Chicago, July 17, 2018
- [29] Nitric Oxide and Heart Disease: New discoveries and innovations in diagnostics and therapeutics - Annual Biotechnology Congress, Vancouver, BC – July 23, 2018
- [30] Nitric Oxide is the Requisite Signal For Stem Cell Function - American Association of Stem Cell Physicians, Miami, FL August 10-12, 2018
- [31] Inherent Inefficiencies of Nitrate And Nitrite Reduction to NO Limit Their Therapeutic Utility – Nitric Oxide Gordon Conference, Ventura, CA Feb 3-8, 2019

- [32] Strategies to Optimize Regenerative Medicine Outcomes: the Role of Nitric Oxide – American Association of Ozonotherapy, Denver, CO, May 2-4, 2019
- [33] Evidence for Use of Functional Nitric Oxide Nutrition in Primary Care – Functional Food Center Conference, San Diego, CA. May 9-10, 2019
- [34] Strategies to Optimize Regenerative Medicine Outcomes: the Role of Nitric Oxide – American Academy of Anti-Aging Medicine, Orlando, FL. May 16-19, 2019
- [35] Nitric Oxide Functionality in Cellular Regeneration – International Cell Surgical Society Annual Meeting, Beverly Hills, Ca May 31 - June 2, 2019
- [36] Nitric Oxide Functionality in Cellular Regeneration – The Aesthetics Show, Las Vegas, NV. July 11-14, 2019

MEETING ORGANIZER

Third International Meeting on the Role of Nitrite Physiology, Pathophysiology and Therapeutics, June 2009, Stockholm Sweden

Fourth International Meeting on the Role of Nitrite Physiology, Pathophysiology and Therapeutics, May 2011, Atlanta GA

10th International Conference on the Biology, Chemistry and Therapeutic Applications of Nitric Oxide – Sept 16-20, 2018, Oxford UK

14th International Conference of the Biology, Chemistry and Therapeutic Applications of Nitric Oxide – April 22,27, 2026; Austin, TX

MEDIA EVENTS

Television

KTRK ABC Houston – TV interview with Health Correspondent Christi Myers – November 2007

CNN – Telephone interview with Health Correspondent Elizabeth Cohen – December 2007

Feedstuff – TV interview with Trent Loos – April 2008

KTRK ABC Houston – TV interview with Health Correspondent Christi Myers – October 2010

Feedstuffs – TV interview with Sarah Muirhead – December 2010

KTBC FOX Austin – TV interview – April 2011

KENZ ABC San Antonio – TV interview with Wendy Rigby – May 2011

Media Training – 2012

PBS – Healing Quest TV series – August 2013

iHealthtube – December 2014

Immortality Now – May 2015

Top 100 Magazine – Cover story
Inspire Magazine
Fortune Magazine Article

INTELLECTUAL PROPERTY

Dozens of issued US Patents
Canada Issued patent
New Zealand issued patent
Mexico issued patent
Korea issued patent

6 patents pending worldwide
Founder, HumanN, Inc (formerly NeoGenis Laboratories, Inc) Austin Texas
Stock owner and Advisor – SAJE Pharma
Founder, CEO – Pneuma Nitric Oxide, LLC, Austin, TX
Founder, CEO – Nitric Oxide Innovations, LLC, Austin, TX
Founder, CEO – Bryan Nitric Oxide, LLC, Austin, TX
Founder, CEO – Nitric Oxide Research Institute, LLC, Austin, TX
Founder, Chairman and CEO – Bryan Therapeutics, Inc, Austin, TX