

## **Curriculum Vitae**

**Datis Kharrazian Ph.D., D.C., D.H.Sc., M.S., M. Neuro.Sci., M.M.Sc., F.A.A.C.P.,  
F.A.C.F.N., F.A.B.V.R., D.A.C.B.N., D.C.B.C.N., D.A.C.N.B., D.I.B.A.K., C.N.S.**

### **Education**

1995-1999 Bachelor of Science - Cum Laude - University of the State of New York -  
Regents College - Albany, New York

1995-1999 Doctor of Chiropractic - Cum Laude - Southern California University of  
Health Sciences - Los Angeles College of Chiropractic - Whittier, California

1999-2001 Master of Science in Human Nutrition - Cum Laude - University of  
Bridgeport - Institute of Nutrition - Bridgeport, Connecticut

2004-2007 Doctor of Health Sciences – Nova Southeastern University – College of  
Healthcare Sciences – Ft. Lauderdale, Florida

2004-2009 Master of Neurological Sciences– Carrick Institute of Graduate Studies –  
Cape Canaveral, Florida

2012-2018 Doctor of Philosophy in Health Sciences, Nova Southeastern University –  
Department of Health Sciences– Ft. Lauderdale, Florida

2016-2018 Master of Medical Science in Clinical Investigation, Harvard Medical School,  
Boston MA

### **Post-Doctorate Research Training**

2014-2015 Global Clinical Scholar Research Program – Harvard Medical School, Boston  
MA

2016-2019 Research Fellow – Harvard Medical School, Boston, MA

2016-2019 Research Fellow – Massachusetts General Hospital, Department of  
Neurology, Boston MA

### **Clinical Internship**

1998-1999 California State University Northridge - Center of Achievement - Northridge, California

1998-1999 Glendale Health Center - Glendale, California

1998-1999 Center of Aquatics - Pasadena Rose Bowl - Pasadena, California

### **University Faculty Positions**

2014- Present Associate Clinical Professor, Department of Preventive Medicine, Loma Linda University School of Medicine

2013- Present Faculty Institute for Functional Medicine – Santa Fe, New Mexico

2013- 2015 Adjunct Professor – Bastyr University California – San Diego, California

2015-2019 Adjunct Professor – National University of Health Sciences, Lincoln College of Post-professional, Graduate and Continuing Education, Lombard Illinois

### **Academic Graduate Honors and Awards**

1995 Mindlin Honors at Entrance Award (GPA 3.96) - Southern California University of Health Sciences - Los Angeles College of Chiropractic - Whittier, California

1995-1999 Dean's List - Southern California University of Health Sciences - College of Chiropractic - Whittier, California

1999 Delta Sigma Honorary Scholastic Society Award of Academic Excellence

### **Professional Awards**

2010 International Conference for Functional Neurology – Clinical Neurologist Trailblazer Award

2011 Institute for Clinical Ergonomics and Applied Neuroscience- Special Recognition Award

2017 International Association of Functional Neurology and Rehabilitation – Researcher of the year.

## **Professional License**

1999 Diplomate National Board of Chiropractic Examiners - Certificate # 69174 (parts I-IV)

1999 California License DC-26418 - California State Board of Chiropractic Examiners

## **Fellowships**

2014 Fellow of the American College of Nutrition

2010 Fellow of the American Board of Vestibular Rehabilitation

2009 Fellow of the American College of Functional Neurology

2006 Fellow American Academy of Chiropractic Physicians

## **Board Certifications**

1999 Clinical Nutrition Certification Board - International and American Association of Clinical Nutritionists - Certified Clinical Nutritionist

2000 American Chiropractic Board of Sports Physicians - Certified Chiropractic Sports Physician

2001 Certification Board of Nutrition Specialist - American College of Nutrition - Certified Nutrition Specialist – Diplomate

2003 American Clinical Board of Nutrition - Diplomate

2006 American Chiropractic Neurology Board – Diplomate

2009 American Board of Functional Medicine - Diplomate

2010 Chiropractic Clinical Board of Nutrition- Diplomate

## **Certifications**

1999 Certified Applied Kinesiologist – International Board of Applied Kinesiology

2000 Certified Strength and Conditioning Specialist - National Strength and Conditioning Assoc.

2000 Certified in Basic Sports Injuries 120-Hour Course - Los Angeles College of Chiropractic - Postgraduate Department

2000 Certified Medical Nutrition Therapist - National Healthcareer Association

2000 Certified Intravenous and Intramuscular Admixture Technician - National Health Career Assoc.

2000 Certified Intravenous and Intramuscular Administrator Technician - National Health Career Assoc.

2000 Certified Phlebotomist - National Health Career Association

2006 Graduate Certificate in Neurology – Carrick Institute of Graduate Studies

### **Past and Present Professional Memberships**

American Chiropractic Association Governor's Advisory Cabinet

American Chiropractic Association Council of Neurology

American Chiropractic Association Council of Nutrition

Institute for Functional Medicine

American College of Nutrition

Endocrine Society

New York Academy of Sciences

American Association of Clinical Chemistry

California Chiropractic Association

American Academy of Pain Management

National Strength and Conditioning Association

### **Scope of Practice**

Functional Medicine, Clinical Nutrition, and Functional Neurological Rehabilitation

### **Professional Activities**

1999-2002 Clinical nutritionist and doctor of chiropractic at the San Diego Sports Medicine Chiropractic Clinic- Pacific Beach, California

1999-2002 Clinical nutritionist, strength and conditioning specialist and doctor of chiropractic at the Optimal Wellness Center - Encinitas, California

2000-2001 Clinical nutritional advisor - Nutritional Consulting Group - Cardiff California

2001-2002 President and clinical nutrition advisor - Balancing Biochemistry Inc. - La Costa, California

2001-2002 Postgraduate faculty member, Parker College of Chiropractic – Dallas, Texas

2002 - 2006 Board member-at-large for the Executive Board for the International College of Applied Kinesiology

2002 – 2003 Supervising doctor of the division of clinical internship at Southern California University of Health Sciences

2003 – 20013 Scientific Advisory Committee – Apex Energetics – Los Angeles, California

2002-2009 Faculty Postgraduate Department of the University of Bridgeport

2002-2009 Committee chairman for the committee on neurophysiology for the International College of Applied Kinesiology

2010 -2011 Committee for written examination questions for the American Board of Chiropractic Neurology

2010-2012 Committee for development of neurochemistry and nutrition program and examination for the American College of Functional Neurology

2010-2014 Curriculum Advisory Committee – Institute for Functional Medicine

2013-present Faculty Institute for Functional Medicine

2013- 2015 Adjunct Professor for Bastyr University California

2014- present Curriculum Advisor and instructor – Loma Linda University School of Medicine, Functional Medicine

### **General Not Peer-Reviewed Public Publications**

Kharrazian, Datis: What You Should Know About Menopause. Women's Digest, November, 1999.

Kharrazian, Datis. Insomnia and Blood Sugar Disorders. Naturopathy Digest, March 2007.

Kharrazian, Datis, Hashimoto's Hypothyroidism. Townsend Letters, 2009

## Peer-Reviewed Scientific Journal Publications

Kharrazian D, Herbert M, Vojdani A. Immunological Reactivity Using Monoclonal and Polyclonal Antibodies of Autoimmune Thyroid Target Sites with Dietary Proteins. *J Thyroid Res.* 2017;2017:4354723. doi: 10.1155/2017/4354723. Epub 2017 Aug 15.

Vojdani A, Vojdani E, Kharrazian D. Fluctuation of zonulin levels in blood vs stability of antibodies. *World J Gastroenterol.* 2017 Aug 21;23(31):5669-5679. doi: 10.3748/wjg.v23.i31.5669.

Kharrazian D, Herbert M, Vojdani A. Detection of Islet Cell Immune Reactivity with Low Glycemic Index Foods: Is This a Concern for Type 1 Diabetes? *J Diabetes Res.* 2017;2017:4124967. doi: 10.1155/2017/4124967. Epub 2017 Jul 27. PubMed

Vojdani A, Vojdani E, Saidara E, Kharrazian D. Reaction of Amyloid- $\beta$  Peptide Antibody with Different Infectious Agents Involved in Alzheimer's Disease. *J Alzheimers Dis.* 2018;63(2):847-860.

Kharrazian D, Vojdani A. Correlation between antibodies to bisphenol A, its target enzyme protein disulfide isomerase and antibodies to neuron-specific antigens. *J Appl Toxicol.* 2017 Apr;37(4):479-484. doi: 10.1002/jat.3383. Epub 2016 Sep 9.

Kharrazian D, Gustafson C. Datis Kharrazian, DHSc, DC, FACN, CNS: neuroinflammation-ignited by toxic burden or immune reactivity? *Adv Mind Body Med.* 2015 Spring;29(2):32-5.

Kharrazian D. Traumatic Brain Injury and the Effect on the Brain-Gut Axis. *Altern Ther Health Med.* 2015 Aug;21 Suppl 3:28-32.

Vojdani A, Mukherjee PS, Berookhim J, Kharrazian D. Detection of Antibodies against Human and Plant Aquaporins in Patients with Multiple Sclerosis. *Autoimmune Dis.* 2015;2015:905208

Vojdani A, Kharrazian D, Mukherjee PS. Elevated levels of antibodies against xenobiotics in a subgroup of healthy subjects. *J Appl Toxicol.* 2014 Jul 18.

Kharrazian D. The Potential Roles of Bisphenol A (BPA) Pathogenesis in Autoimmunity. *Autoimmune Dis.* 2014;2014:743616.

Vojdani A, Kharrazian D, Mukherjee PS. The prevalence of antibodies against wheat and milk proteins in blood donors and their contribution to neuroimmune reactivities. *Nutrients.* 2014;6:15-36.

Kharrazian D. Toxicant loss of immune tolerance, neurologic disease, and nutritional strategies. *Funct Neurol Rehabil Ergon*. 2013;3(2-3):203-213.

Kharrazian D. Nutritional and dietary considerations for basal ganglia disorders. *Funct Neurol Rehabil Ergon*. 2012;2(3):227-242.

Kharrazian D. Non-Validity and clinical relevance of neurotransmitter testing. 2011;1(3):501-508.

Kharrazian D. Commentary on Hinz et al (2011) on the non-validity and clinical relevance of neurotransmitter testing. 2011;1(3):515-519.

Kharrazian D. The potential negative effects of arginine and caffeine in pre-workout nitric oxide products. *Nutritional Perspectives*. 2010;33(3):26-29.

Kharrazian D. Serotonin: physiology and clinical factors to consider. *Nutritional Perspective*. 2009;32(4):9-13.

### **Professional Proceedings Publications**

Kharrazian, Datis: A New Approach for the Reticular Formation. *Proceedings of the International College of Applied Kinesiology*, 1999-2000.

Kharrazian, Datis: The Reticular Formation and Its Connection with the Governing Vessel. *Proceedings of the International College of Applied Kinesiology*, 2000-2001.

Kharrazian, Datis: The Role of the Transverse Ligament in Suprascapular Nerve Entrapments. *Proceedings of the International College of Applied Kinesiology*, 2000-2001

Kharrazian, Datis: The Role of Dermal Proprioceptors in Reactive Muscle Patterns. *Proceedings of the International College of Applied Kinesiology*, 2001-2002

Kharrazian, Datis: Gastrointestinal Disorders; an Update and Review. *Proceedings of the International College of Applied Kinesiology*, 2002-2003

Kharrazian, Datis: Understanding Male Hormone Disorders. *Proceedings of the International College of Applied Kinesiology*, 2002-2003.

Kharrazian, Datis. Adrenal and Insulin Related Disorders: More Complex Than We Thought. *Proceedings of the International College of Applied Kinesiology*, 2003-2004.

Kharrazian, Datis. Iodine and Tyrosine: The Most Misused Nutritional Support for the Thyroid. Proceedings of the International College of Applied Kinesiology, 2004-2005.

Kharrazian, Datis. Nutritional Support for the Thyroid: A Brief Review. Proceedings of the International College of Applied Kinesiology, 2004-2005.

Kharrazian, Datis: Advanced Principals of the Neuroendocrine-Immune Axis Response Application to Clinical Practice and Applied Kinesiology. Proceedings of the International College of Applied Kinesiology, 2005-2006.

Kharrazian, Datis. Transneural degeneration of the Cerebellum: A Case Study. International Journal of Applied Kinesiology and Kinesiologic Medicine, 2006.

Kharrazian, Datis. Insomnia and Blood Sugar Disorders. Naturopathy Digest, March 2007.

Kharrazian, Datis – The Original Internist – Polycystic Ovary Syndrome and Infertility – June Vol 17, NO.2, 2010

Kharrazian, Datis - The Original Internist – Functional Endocrinology for the Internist – 2009

### **Scientific Journal Editor Position**

Editorial Board of the Journal of Functional Neurology Rehabilitation and Ergonomics

Editorial Board of the Journal of Alternative Therapies in Health and Medicine

### **Published Post-Graduate University Approved Manuals**

2000 How to Obtain Clinically Useful Information from the Evaluation of Salivary Hormone Testing - First and Second Edition, Optimal Wellness Press, 2000 and 2001, Encinitas California

2001 How to Obtain Clinically Useful Information from the Evaluation of Standard Blood Chemistry - First and Second Edition, Optimal Wellness Press, 2000 and 2001, Encinitas California

2001 Nutritional Applications for Andropause - Optimal Wellness Press, Encinitas California

2001 Nutritional Applications for Gastrointestinal Disorders - Optimal Wellness Press, Encinitas California

2003-2009 Functional Endocrinology – Optimal Wellness Press, Encinitas California



2005-2010 Functional Blood Chemistry – Optimal Wellness Press, Encinitas California

2006-2009 Functional Endocrinology Case Studies – Optimal Wellness Press, Encinitas California

2008-2011 Brian and Neurotransmitter – Optimal Wellness Press, Carlsbad

2009-2011 Mastering the Thyroid – Optimal Wellness Press, Carlsbad

2012 – Mastering Functional Blood Chemistry – Elephant Press, Carlsbad

2012 – Mastering Brain and Neurochemistry – Elephant Press, Carlsbad

### **Professional Educational Audio Recordings**

2004 Functional Endocrinology

2004 Clinical Pearls in Functional Endocrinology #1

2004 Clinical Pearls in Functional Endocrinology #2

2004 Common Pitfalls in Endocrine Therapy

2005 Clinical Pearls in Functional Endocrinology #3

2005 Functional Blood Chemistry

2005 Gastrointestinal-Hepatic Axis

2005 Neuroendocrine-Immune Axis

2005 Neurodegenerative Disease

2005 Andropause Physiology and Case Studies

2005 Adrenal Physiology and Case Studies

2005 Female Hormone Profiles and Case Studies

2005 Thyroid Physiology and Case Studies

2005 Metabolic Overtraining Syndrome

2005 Uterine Conditions

2005 Osteoporosis

2005 Genomic Testing

2006 Functional Blood Chemistry Case Studies

2006 Autoimmune Disease Physiology

2006 Self-Perpetuating Stress Cycle – Neuroendocrine-Immunology

2006 Clinical Pearls in Functional Endocrinology #4

2007 Cardiovascular-Gastrointestinal Immune Axis

2007 Secondary Messengers of Neuroendocrinology

2008 Autoimmune Thyroid

2008 Intracellular Messengers of Endocrinology

2009 Brain, Neurotransmitters and Nutrition

2009 Learning and Memory Disorders

2009 The Neuroendocrine-Immune Axis of Thyroid Disorders

2009 The Neuroendocrine Immune Axis of Menopause

2010 The Neuroendocrine Immune Axis of Andropause

2010 Why Do I Still Have Thyroid Symptoms Audiobook

### **Published Book Contribution**

Wald, Michael. The Vitamin Counselor - Ask the Experts, Optimal Health Press and Nutritional, Inc. Mount Kisco, New York, 2001.

### **Published Book**

Kharrazian, Datis. Why Do I Still Have Thyroid Symptoms, A Guide for Hashimoto's, Morgan James Publishing, Garden City, New York, 2009. – \*\*National Best Seller\*\*

Kharrazain, Datis. Why Isn't My Brain Working. Elephant Press, California, 2013 -  
\*\*National Best Seller\*\*

### **Radio Program Appearances**

May 2002 K90 AM radio - Health Talk – Phoenix, Arizona

June 2002 KCBQ10 AM radio – Forever Young – San Diego, California

2001-2003 KCBQ10 AM radio – Optimal Wellness Hours, Co-Host – San Diego, California

2010 –One Radio Network AM radio – national radio show

### **Television Program Appearances**

2010 KATU – Portland, Oregon

### **Academic Testing Consulting**

2007 Test question submitting committee – New Mexico Board of Oriental Medicine

2009-2013 Test question submitting committee – American Board of Chiropractic Neurology

2010 Test question submitting – American Chiropractic Board of Clinical Nutrition

2011 Test question submitting – American Board of Clinical Neurochemistry

2014 Test question submitting – Institute for Functional Medicine Certification Program

### **Academic Program Development**

2009-2010 – Committee chairman for the development of the 150-hour fellowship program for the American Board of Clinical Neurochemistry for the American College of Functional Neurology

2007-2009 – Committee chairman for the development of a 50-hour program for neurology specialty module for the International Board of Applied Kinesiology Board of Examiners

2011-2012 – Committee for the development of functional medicine program for Southern California University of Health Sciences

2011-2013 – Curriculum Advisory Committee for Institute for Functional Medicine

2013 Nutritional Assessment and Nutritional Examination Committee for Institute for Functional Medicine

2013 Functional Medicine Certification Program for Module on Energy for the Institute for Functional Medicine

2013 Integrative Neuroscience – Bastyr University California

2014 Functional Medicine Elective Course – Loma Linda University School of Medicine

2014 150-hour Neurochemistry and Nutrition Course – International Association of Functional Neurology and Ergonomics

### **Nutrition Industry Consultant**

2003-2014 - Scientific Advisory Board – Apex Energetics in Nutrition Product Development

2009-2010 - Nutritional Formulation Consultant – Golden State Nutritional Manufacturing – Carlsbad, California

2009-2010 - Nutritional Formulation Consultant – PharmaGenX- Carlsbad, California

2015-Present – Nutrition Leaders Council – American College of Nutrition

### **Laboratory Industry Consultant**

2011-2014 – Assay Development Consultant - Cyrex Laboratories – Phoenix, Arizona

### **Nutritional Products Developed**

2003-2014 Over 100 nutritional formulations and developed for Apex Energetics used for supporting endocrine, neurological and immunological support

2009 Nitric Oxide formulation (Category II NO) for exercise performance - PharmaGenX

## **Invited Professional Organization Presentations**

- 1999 International College of Kinesiology Annual Conference - New Orleans, Louisiana
- 2000 International College of Applied Kinesiology Annual Conference - Palm Springs, California
- 2001 International College of Applied Kinesiology Annual Conference - Atlanta, Georgia
- 2001 International College of Applied Kinesiology Women's Health Symposium - Los Angeles, California
- 2001 International College of Naturopathy Conference on Clinical Chemistry - Pacific Palisades, California
- 2001 Academy of Advanced Integrative Medicine - New Mexico Board for Acupuncture and Oriental Medicine - New Mexico
- 2002 International College of Applied Kinesiology – Marina Del Ray, California
- 2003 International College of Applied Kinesiology – Chicago, Illinois
- 2004 National Association of Nutrition Professionals – San Francisco, California
- 2005 International College of Applied Kinesiology – Los Angeles, California
- 2006 American College for Advanced Medicine – Los Angeles, California
- 2006 American Chiropractic Association - Internal Disorders Council – Park City, Utah
- 2007 California Chiropractic Association - San Diego, California
- 2007 American Chiropractic Association – Internal Disorders Council – Las Vegas, Nevada
- 2007 National College of Naturopathic Medicine Ground Rounds – Portland, Oregon
- 2008 American Chiropractic Association – Internal Disorders Council – Ohio, Cincinnati
- 2008 International College of Applied Kinesiology – Los Angeles, California
- 2008 International and American Association of Clinical Nutritionist – Baltimore, Maryland
- Carrick Institute of Graduate Studies- Orlando, Florida and San Francisco, California

2009 National College of Naturopathic Medicine Ground Rounds – Portland, Oregon

2009 International College of Applied Kinesiology – Boston, Massachusetts

2009 American Chiropractic Association – Council of Nutrition- Atlanta, Georgia

2009 American Chiropractic Association – Council of Internal Disorders – Dallas, Texas

2009 Carrick Institute of Graduate Studies – Amsterdam, Netherlands and Atlanta, Georgia

2009 American Academy of Anti-Aging Medicine – Las Vegas

2010 – Life University – The Neurology of Manipulation

2010 – 54<sup>th</sup> Northwest Naturopathic Physicians Conference – Portland, Oregon

2010 – International College of Applied Kinesiology – Los Angeles, California

2010 – International Symposium of Functional Neurology – Miami, Florida

2011 – International Association of Clinical Nutrition – Baltimore, Maryland

2011 – International Symposium of Functional Neurology – Orlando, Florida

2011 – International and American Association of Clinical Nutritionist, Baltimore, Maryland

2012 – International Association of Functional Neurology and Rehabilitation – Phoenix, Arizona

2013 – International Association of Functional Neurology and Rehabilitation – Phoenix, Arizona

2013 – Institute for Functional Medicine International Annual Symposium – Dallas, Texas

2014 – The 3<sup>rd</sup> Annual World Food Congress – Changchun, China

2014 – The 4<sup>th</sup> Annual International Association of Functional Neurology Conference, Las Vegas

2014 – Academy of Integrative Health and Medicine Annual Conference- San Diego, California

2015 – Parker University Annual Conference – Las Vegas, Nevada

2015 – Parker University, Brainstorm Conference – Dallas, Texas

2015 – Innovision Brain-Gut Conference – Orlando, Florida

2015 – The 6<sup>th</sup> International Association of Functional Neurology and Rehabilitation – Orlando, Florida

2015 - Academy of Integrative Health and Medicine Annual Conference – San Diego California

2017 – Institute for Functional Medicine International Annual Symposium – Los Angeles, California

2018 – Institute for Functional Medicine International Annual Symposium – Hollywood, Florida

### **Post-Graduate University Approved Seminars Instructed**

Jan. 2000 Lower and Upper Body Extremity Conditions - Los Angeles College of Chiropractic- Los Angeles, California

Mar. 2000 Clinical Nutrition in Practice- Los Angeles College of Chiropractic- Los Angeles, California

Oct. 2000 How to Obtain Clinically Useful Information From the Evaluation of Salivary Hormone Profiles - Balancing Body Chemistry With Nutrition Seminars - San Diego, California

Nov. 2000 Upper Extremity Conditions - Southern California University of Health Sciences - Los Angeles, California

Jan. 2001 How to Obtain Clinically Useful Information From the Evaluation of Salivary Hormone Profiles - Balancing Body Chemistry With Nutrition Seminars - Long Beach, California

Jan. 2001 Functional Muscle Testing, Static Posture, Gait Evaluation in the Egoscue Method - T.H.E. Clinic Del Mar, California

Feb. 2001 Making Sense of Blood Chemistry - More Than Just a Bunch Of Numbers - Balancing Body Chemistry With Nutrition Seminars - Long Beach, California

Mar. 2001 How to Obtain Clinically Useful Information from the Evaluation of Salivary Hormone Profiles - Balancing Body Chemistry with Nutrition Seminars - Sherman Oaks, California

Mar. 2001 How to Obtain Clinically Useful Information From the Evaluation of Salivary Hormone Profiles - Balancing Body Chemistry With Nutrition Seminars - Phoenix, Arizona

May 2001 Clinical Chemistry Course - International College of Naturapathy - Santa Barbara, California

May 2001 Making Sense of Blood Chemistry - More Than Just a Bunch of Numbers - Balancing Body Chemistry with Nutrition Seminars - Oxnard, California

July 2001 Lower Extremity Disorders - Southern California University of Health Sciences - Los Angeles, California

Feb 2002 How to Obtain Clinically Useful Information from the Evaluation of Salivary Hormone Profiles - Balancing Body Chemistry with Nutrition Seminars – Los Angeles, California

Mar 2002 How to Obtain Clinically Useful Information from the Evaluation of Salivary Hormone Profiles - Balancing Body Chemistry with Nutrition Seminars – San Diego, California

Apr 2002 How to Obtain Clinically Useful Information from the Evaluation of Salivary Hormone Profiles - Balancing Body Chemistry with Nutrition Seminars – San Diego, California

Apr 2002 How to Obtain Clinically Useful Information from the Evaluation of Salivary Hormone Profiles - Balancing Body Chemistry with Nutrition Seminars – Denver, Colorado

Apr 2002 Incorporating Functional Medicine Laboratory Assessments into Your Practice – Detroit, Michigan

May 2002 Incorporating Functional Medicine Laboratory Assessments into Your Practice – Phoenix, Arizona

2004 Clinical Pearls in Functional Endocrinology #1 – Los Angeles, San Diego, San Francisco, Oregon, Washington, Phoenix, Colorado

2004 Clinical Pearls in Functional Endocrinology #2 – Los Angeles, San Diego, San Francisco, Oregon, Washington, Phoenix, Colorado

2004 Common Pitfalls in Endocrine Therapy – Los Angeles, San Diego, San Francisco, Oregon, Washington, Phoenix, Colorado



2004 Clinical Pearls in Functional Endocrinology #1 – Los Angeles, San Diego, San Francisco, Oregon, Washington, Phoenix, Colorado

2004 Clinical Pearls in Functional Endocrinology #2 – Los Angeles, San Diego, San Francisco, Oregon, Washington, Phoenix, Colorado

2004 Common Pitfalls in Endocrine Therapy -- Los Angeles, San Diego, San Francisco, Oregon, Washington, Phoenix, Colorado

2005 Clinical Pearls in Functional Endocrinology #3 -- Los Angeles, San Diego, San Francisco, Oregon, Washington, Phoenix, Colorado

2005 Gastrointestinal-Hepatic Axis -- Los Angeles, San Diego, San Francisco, Oregon, Washington, Phoenix, Colorado

2005 Neuroendocrine-Immune Axis -- Los Angeles, San Diego, San Francisco, Oregon, Washington, Phoenix, Colorado

2005 Neurodegenerative Disease -- Los Angeles, San Diego, San Francisco, Oregon, Washington, Phoenix, Colorado

2005 Andropause Physiology and Case Studies – Los Angeles, San Diego, San Francisco, Oregon, Washington, Phoenix, Colorado

2005 Thyroid Physiology and Case Studies -- Los Angeles, San Diego, San Francisco, Oregon, Washington, Phoenix, Colorado

2006 Functional Blood Chemistry Case Studies -- Los Angeles, San Diego, San Francisco, Oregon, Colorado

2006 Autoimmune Disease Physiology -- Los Angeles, San Diego, San Francisco, Oregon, Washington, Phoenix, Colorado

2006 Self-Perpetuating Stress Cycle -- Los Angeles, San Diego, San Francisco, Oregon, Washington, Phoenix, Colorado

2006 Clinical Pearls in Functional Endocrinology #4 -- Los Angeles, San Diego, San Francisco, Oregon, Washington, Phoenix, Colorado

2006 Advance Functional Endocrinology – San Diego, San Francisco, Colorado

2007 Cardiovascular-Gastrointestinal Immune Axis -- Los Angeles, San Diego, San Francisco, Oregon, Washington, Phoenix, Colorado

2004 -2010 Functional Endocrinology – Laboratory Assessment and Nutritional Management, Phoenix, Los Angeles, San Diego, Denver, Atlanta, San Francisco, Atlanta,

Chicago, Florida, Washington, Dallas, Austin, New Mexico, Nevada, Connecticut, Tennessee

2005-2010 Functional Blood Chemistry - – Laboratory Assessment and Nutritional Management, Phoenix, Los Angeles, San Diego, Denver, Atlanta, San Francisco, Atlanta, Chicago, Florida, Washington, Dallas, Austin, New Mexico, Nevada, Connecticut, Tennessee

2009-2011 Mastering the Thyroid - Phoenix, Los Angeles, San Diego, Denver, Atlanta, San Francisco, Atlanta, Chicago, Florida, Washington, Dallas, Austin, New Mexico, Nevada, Connecticut, Tennessee

2010 -2012 Introduction to Neurochemistry and Nutrition – San Francisco, Atlanta, Amsterdam

2010-2012 Neuroimmunology – San Francisco, Atlanta, Amsterdam

2011 Cortisol and Melatonin Circadian Rhythms – Los Angeles, Santa Monica, Irvine, San Diego, San Francisco, Santa Cruz, Sacramento

2011 The Complexity of Gluten Sensitivity - Los Angeles, Santa Monica, Irvine, San Diego, San Francisco, Santa Cruz, Sacramento

2011 Leaky Gut Syndrome - Los Angeles, Santa Monica, Irvine, San Diego, San Francisco, Santa Cruz, Sacramento

2011 Brain-Gut Axis - Los Angeles, Santa Monica, Irvine, San Diego, San Francisco, Santa Cruz, Sacramento

2011 Brain-Immune Axis - Los Angeles, Santa Monica, Irvine, San Diego, San Francisco, Santa Cruz, Sacramento

2011 Childhood Developmental Disorders - Los Angeles, Santa Monica, Irvine, San Diego, San Francisco, Santa Cruz, Sacramento

2011 Neuroendocrine-Immunology of Perimenopause - Los Angeles, Santa Monica, Irvine, San Diego, San Francisco, Santa Cruz, Sacramento

2011 Neuroendocrine-Immunology of Andropause - Los Angeles, Santa Monica, Irvine, San Diego, San Francisco, Santa Cruz, Sacramento

2011 Neuroendocrine-Immunology of Environmental Toxicity - Los Angeles, Santa Monica, Irvine, San Diego, San Francisco, Santa Cruz, Sacramento

2012 Mastering Functional Blood Chemistry - Phoenix, Los Angeles, San Diego, Denver, Atlanta, San Francisco, Atlanta, Chicago, Florida, Washington, Dallas, Austin, New Mexico, Nevada, Connecticut, Tennessee

2013 Mastering Brain and Neurochemistry - Phoenix, Los Angeles, San Diego, Denver, Atlanta, San Francisco, Atlanta, Chicago, Florida, Washington, Dallas, Austin, New Mexico, Nevada, Connecticut, Tennessee

**Personal Interests – Martial Arts**

9th Degree Black Belt - Ch'uan Shu - Hawaii Black Belt Society – Chinese Kenpo Federation

7th Degree Black Belt - Kajukenbo - International Kajukenbo Association

5th Degree Black Belt - Kenpo - Tracy's Kenpo International

Senior Instructor Certification – Tracy's Kenpo International

Certified Instructor - Jeet Kune Do Concepts - Progressive Fighting Systems

Certified Instructor - Filipino Martial Arts - Progressive Fighting Systems

Kenpo Hall of Fame Member 2009