

CURRICULUM VITAE

NAME **Jorge R. Miranda-Massari, Pharm.D.**
TITLE Professor of Pharmacy

Institution School of Pharmacy
Medical Sciences Campus
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Professor of Pharmacognosy
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EDUCATION **Doctor of Pharmacy**, Philadelphia College of Pharmacy and Science, Philadelphia, Pennsylvania (May 1990)

Bachelor of Science in Pharmacy, School of Pharmacy, Medical Sciences Campus, University of Puerto Rico, Río Piedras, Puerto Rico (June 1988)

Bachelor of Science in Biology, University of Puerto Rico, Río Piedras Campus, Río Piedras, Puerto Rico (May 1985)

Post Doctoral Programs **Amgen Nephrology Traineeship Program.** Funded by Amgen Pharmaceutical Corporation, School of Pharmacy, University of Pittsburgh, PA (1994)

Post-Doctoral Training Residency/Fellowship in Clinical Pharmacokinetics (ASHP Accredited), School of Pharmacy, University of North Carolina at Chapel Hill, NC (1991-1992)

ASHP Foundation Anticoagulation Clinic Traineeship Program. Funded by Du Pont Pharmaceuticals. Medical College of Virginia Hospital and Virginia Veteran Administration Hospital (1991)

Clinical Pharmacist, Intensive Care Units, UNC Hospital, Chapel Hill, NC (1990-1992)

COURSES/MAJOR CONFERENCES:

- 2019 Certificate Program in Herbal Medicine by Association for the Advancement of Restorative Medicine (AARM) (60 CME Credits)
- 2018 Second Conference on Integrative Autism Conference April 2018. San Juan, PR
- 2017 First Conference on Integrative Autism Conference December 2017. San Juan, PR
- 2016 IV International Congress in Clinical Nutrition and Orthomolecular Medicine. Valencia, Spain (June 17-18)
- 45th International Conference of Orthomolecular Medicine. Vancouver, Canada (April 29-May 1)
- 2015 Riordan IVC and Cancer Symposium (Speaker and attendee) San Juan, PR, March
- 2014 Riordan IVC and Cancer Symposium (Speaker and attendee) Wichita, KS, October
- 2012 Riordan IVC and Cancer Symposium (Speaker and attendee) Wichita, KS, October
- 2011 Scientific Seminar. Drug Development in the Era of Biotechnology. NSU. April 7.
- 2009 10mo Encuentro Internacional de Educación y Pensamiento, Cartagena, Colombia (10th International Congress on Education and Cognition. (May 13-15)
- 38th International Conference of Orthomolecular Medicine. Montreal, Canada (April 1-3)
- 2007 International Conference of Orthomolecular Medicine. Toronto, Canada (April 19-22)
- 2006 Modern Fundamentals of Clinical Trials and the role of the Good Clinical Practice Guideline. Holiday Inn Hotel, San Juan (Isla Verde), PR (Feb 22 - 24)
- 2005 The 3rd Restorative Medicine Conference. Intercontinental Hotel, San Juan, PR. (August 3-6) 10.0 CE hours
- 2004 Complementary and Alternative Medicine (CAM Program) NPICO, NCPA. Boston, MA (October)
- 2003 National Cancer Institute, Grant Writing Seminar, Bethesda, MD
- 2002 Animal Lab Safety Course 2002, UPR Medical Sciences Campus.
- Aseptic Surgery, Anesthesia & Analgesia Course UPR Med. Sci. Campus
- Mouse Lecture and Wet Lab Course, Medical Sciences Campus, UPR.
- 2001 American Institute of Cancer Research Annual Conference, Washington, DC
- 1st Inter American Conference of Pharmacy and Nutrition, Habana, Cuba
- 4to. Foro Educación y Ciencias de la Salud, UPR, Recinto de Ciencias Médicas, San Juan, PR.
- 2000 -2nd Comprehensive Cancer Care Conference, Arlington, VA (29.0 CE hours)
- 3rd Foro Educación y Ciencias de la Salud, UPR., Recinto de Ciencias Médicas San Juan, PR.
- Herbs, Drugs and the Body. 6.0 CE hours, Medical Educ Services San Juan, PR.

HONORS, AWARDS AND GRANTS:

Inducted to the **Orthomolecular Hall of Fame of the International Society for Orthomolecular Medicine**. Vancouver, Canada. April 30, 2016

Puerto Rico House of Representatives Recognition for valuable contributions in the research and education especially on obesity, metabolic disorders and cancer. San Juan, Puerto Rico. April 5, 2016.

Inducted to the **Academy of Arts and Sciences of Puerto Rico**. San Juan, Puerto Rico. November 5, 2014.

Inducted to the **Ibero-American Scientific and Cultural Academy**. San Juan, Puerto Rico. November 5, 2014.

USA House of Representatives Special Congressional Recognition for outstanding and invaluable contributions in the research of non-toxic treatment for cancer and other chronic diseases. San Juan, Puerto Rico. November 5, 2014.

Puerto Rico Senate Recognition for valuable contributions in the research and education especially on obesity, metabolic derangements and cancer. San Juan, Puerto Rico. November 5, 2014.

The Atlantea Project Grant. *Propuesta para el Desarrollo de la Consciencia Salubrista que Impacte el Desarrollo Curricular y el Trabajo Comunitario*. The Atlantea Project pretends to bind the Caribbean islands in a sisterhood amongst themselves and with the rest of the countries in the Caribbean Basin, giving form to a broad research agenda and of academic liaison and exchange. Funded with \$ 6,000. August 2008.

Innovative Pharmacist Award 2008. Annual Convention, Puerto Rico College of Pharmacists. August 21, 2008.

Puerto Rico Health Services Research Institute. NIH, Minority Research Infrastructure Support Program (M-RSIP). PI, Roberto Torres-Zeno. Health Seeking Behavior and CAM Utilization Patterns in Puerto Rico: Implications for Health Policy Administration (Project 1). Funded with \$ 824,500. August 2006.

Title V Project for Online Course Development. For the course Complementary and Alternative Practices in Health and Healing: An Integrative Medicine Approach (INTD 7995). Granted in April 2004.

Cancer Research award CIHF. San Juan, Puerto Rico, Intercultural Cancer Council, ICC Meeting. Wyndham Hotel. (Plaque reading "Recognition Award for Outstanding Leadership in Vitamin C research") May 1, 2003.

Outstanding teacher of the year. Awarded by the students (class of 2002), School of Pharmacy- MSC-UPR. The award consisted of a symbolic paint by Julio Lugo. It portrays the sprout RECNA (the cancer research project) from which our passion of knowledge and teaching is derived. (June 2002)

Research Grant. Non-Toxic Therapy for Breast Carcinoma. Funded by The Center for the Improvement of Human Functioning International, Inc. Funded with \$ 50,000 per year for two years (2003-2005).

Mitochondrial Function in cancer Cells. Funded with \$3,000 by Puerto Rico Cancer Center (3/00), \$5,000 (3/01), \$4,000 (3/02), \$2,500 (4/03), \$3,000 (3/04). \$2,500 (3/05).

Effect of Morinda Citrifolia on Fasting Blood Glucose and Glycosilated Hemoglobin in Patients with Diabetes Mellitus. Funded with \$10,000 by CIDIC (1999)

HONORS, AWARDS AND GRANTS:

Effect and Comparison of Chromium and Vanadium on Fasting Blood Glucose and Glycosilated Hemoglobin in Patients with Diabetes Mellitus. Funded with \$ 8,000 by CIDIC (1999)

Academic Computational Laboratory. Educational Grant from Deanship of Academic Affairs, Medical Sciences Campus, University of Puerto Rico. Funded with \$40,000.00 (1995-1996)

Pharmacokinetics of AIDS Related Drugs. J Rodriguez, A. Pérez, W. Maldonado, JR Miranda, C Díaz G. Vázquez, C Zorrilla. Funded by CIDIC with \$ 35,000 (1993)

Drug Utilization Evaluation of Azithromycin. \$4,450.00 Research Grant provided by Pfizer Pharmaceutical Co. (1993-1994)

Start up Funds for Infrastructure of Pharmacokinetics Laboratory. \$29,975.00. Research Centers in Minority Institutions Program (1992-1993)

Evaluation of two immunoassays for the determination of salivary and serum digoxin concentrations in patients with renal failure. Funded with \$500.00 by the Upjohn Company (1991-1992)

National Council on the Aging/Warner Lambert Geriatric Fellowship for Pharmacy Students. Coordinated educational strategies to improve medication utilization among non-English speaking Hispanic elderly. Funded with \$2,500.00 (1989-1990)

Bristol Award for Leadership, San Juan, Puerto Rico (1988)

Rotary Club Medal for Community Service, San Juan, Puerto Rico (1988)

Certificate of Recognition, Annual Ceremony for Outstanding Students of the Medical Sciences Campus, University of Puerto Rico, San Juan, Puerto Rico (1988)

Presidential Scholarship (Scholarship awarded by the president of the University of Puerto Rico to develop new faculty), San Juan, Puerto Rico (1988)

ACADEMIC PROFESSIONAL EXPERIENCE:

2005 to date	Professor , Pharmacy Practice Department, School of Pharmacy, Medical Sciences Campus, University of Puerto Rico
1999-2005	Associate Professor , Pharmacy Practice Department, School of Pharmacy, Medical Sciences Campus, University of Puerto Rico
1992-1999	Assistant Professor , Pharmacy Practice Department, School of Pharmacy, Medical Sciences Campus, University of Puerto Rico
1990-1992	Clinical Instructor , UNC School of Pharmacy at Chapel Hill. Responsible for training of Pharm.D. and M.S. student in clinical pharmacokinetics rotation at UNC Hospital
1989-1990	Clinical Pharmacy Teaching Assistant , Philadelphia College of Pharmacy and Science. Responsible for instructing undergraduate pharmacy students on clinical rotations at Thomas Jefferson University Hospital and the Hospital of the University of Pennsylvania
June 1991	Coordinator of ASHP Application for Accreditation of Residency in a Specialty Pharmacy Practice (Clinical Pharmacokinetics), UNC Hospital, Chapel Hill, NC

PRESENTATIONS:

High Dose Intravenous Ascorbate and Metabolic Optimization in Cancer. Association for the Advancement of Restorative Medicine (AARM), San Diego Conference. Sept. 12-15, 2019.

Uso Seguro de vitamina C intravenosa (conferencia 1) y Manejo Integrado de Optimización Metabólica en el paciente con Cáncer (conferencia 2). Adiestramiento Médico en el uso de la vitamina C intravenosa. Quito, Ecuador 23/mayo, 2019; San José, Costa Rica, 25/mayo, 2019.

Nutrición y Fitoterapia en el Manejo de la Hipertensión. CE Conference APNALI. PR Sciences and Technology Trust. San Juan, PR, 5 de mayo, 2019

Optimización Metabólica para la reducción de complicaciones y costos en el paciente diabético. Curso de nutrición ortomolecular. Universidad Holística AC, Ciudad de México, Mx. 16 de febrero 2019.

Nutrigenómica y Farmacogenómica en la Medicina Integrada y Personalizada (MIP). Primer Congreso Internacional de Salud y Tecnología (CISTEI 2018). Sheraton Hotel y Casino, San Juan, PR. November 9, 2018

Course Director and Speaker for: the 2nd Integrative Autism Management Conference. 8 hours CE Course. Amphitheater Jaime Benitez, Medical Sciences Campus, University of PR. San Juan, PR. April 21, 2018.

Course Director and Speaker for: the 1st Integrative Autism Management Conference. 8 hours CE Course. EDP University, Hato Rey Campus. San Juan, PR. December 2, 2017.

Metabolic Correction and Optimization for People with Special Needs. Workshop for Parents of children with Special Needs Summer Program. Department of Special Physical Education, University of Puerto Rico. Bayamon, PR. August 1, 2017.

Course Director and Speaker for: Integrative Metabolic Correction Therapy Approach in Cancer, Autism, and other Chronic Disease 2 Days (16 hours) Quito, Ecuador: April 28th - 29th 2017, Encore Presentation: Valencia, Spain: May 12th-13th, 2017.

Metabolic Correction in Autism Spectrum Disorders (ASD). CE Conference. School of Pharmacy, Medical Sciences Campus. San Juan, PR. March 1, 2017. [Main organizer and speaker]

Genetics and Environmental Factors in Autism Spectrum Disorders (ASD) Toward a Personalized Medicine. CE Conference. UNE, Sistema Universitario Ana G Mendez. Arecibo, PR. February 28, 2017.

Improving Vitamin C in cancer with Metabolic Correction. Second Caribbean Congress of Naturopathic Sciences. Sept 14, 2016.

Metabolic correction Approach for Diabetes and its Complications. CE Conference. Medical Sciences Campus, San Juan, PR. Aug 30, 2016.

Metabolic Correction in Diabetes. 4th International Congress on Clinical Nutrition and Orthomolecular Medicine. Valencia, Spain. June 18, 2016.

Improving Clinical Outcomes with Metabolic Correction. 4th International Congress on Clinical Nutrition and Orthomolecular Medicine. Valencia, Spain. June 17, 2016.

The Bioenergetic Theory of Carcinogenesis. Sigma Xi Seminar Co-sponsored by the Departments of Biochemistry and of Physiology Seminar Series and the RCMI Program. Sixth Floor Amphitheater, UPR, MSC. May 24, 2016.

PRESENTATIONS (Cont.):

Improving Vitamin C outcomes in Cancer Patients. 45th Orthomolecular Medicine Today Conference. Vancouver, Canada, May 1, 2016.

Metabolic correction as a proposed approach for reduction of complications and costs of diabetes care in Puerto Rico. 36th Annual Research and Education Forum. Medical Sciences Campus, San Juan, PR. April 2016.

Laboratory testing and clinical applications. IVC Academy Conference of Riordan Clinic. February 5 & 6, 2016.

Pharmacokinetics of Vitamin C and Safe use in Cancer. IVC Academy Conference of Riordan Clinic. February 5 & 6, 2016.

Farmacocinética de Ascorbato y Relevancia Clínica en Cáncer. Congreso Internacional Manejo de Megadosis de Ácido Ascórbico. Quito, Ecuador. September 17-19, 2015.

Vitamina C y Cáncer: Mejorando la efectividad. Congreso Internacional Manejo de Megadosis de Ácido Ascórbico. Quito, Ecuador. September 17-19, 2015.

Periodismo Científico (Scientific Journalism). Salud. Ambiente. Nutrición. Universidad Sagrado Corazón. San Juan, PR. April 24, 2015.

IVC and Cancer Symposium of the Riordan Clinic. Faculty on the Topic of Improving Results with IVC in the Cancer Patients. San Juan, PR March 13-14, 2015.

Metabolic Correction in Glucose and Insulin disturbances. CE Conference (ACPE). Metabolic Syndrome Update. 60th Annual Conference APGUE. San Juan, PR. March 28, 2015.

Medical Management in Diabetes complications. Conference in the Diabetes Educator Certification Program. "Improving Outcomes in Diabetes through Education". (30 hours CME, AMA category 1) Oct 18-Dec 6, 2014.

IVC and Cancer Symposium of the Riordan Clinic. Invited Faculty on the Topic of Improving Results with IVC in the Cancer Patients. Wichita, KS. October 2-4, 2014.

Nutritional Pharmacological Approach for the Management of Infectious Diseases: Saving Antibiotics. Puerto Rico College of Medical Technologists South & West Chapters. Universidad Interamericana, Ponce, PR. June 29, 2014.

Understanding Homeopathy. The Scientific Basis of Energy Medicine. Puertorrican College of Medical Technologists South & West Chapters. Universidad Interamericana, Ponce, PR. June 29, 2014

The Bioenergetic theory of Carcinogenesis and its application in HealthCare for the Cancer Patient. Natural Awakenings Health Fair. March 2014.

Metabolic Correction of Glucose and its implication in Cancer and other health risks. Natural Awakenings Health Fair. March 2014.

Metabolic Correction: A New Paradigm in the Management of Diabetes. Integrative Medicine Symposium. PR College of Physicians and Surgeons. CE Conference (CME) February 2014.

Metabolic Correction of Alzheimer and other Dementias. CE Conference (ACPE) for Pharmacists. San Juan, PR. November 6, 2013.

The Role of Micronutrients in Cancer Prevention and Management. Taller Medicina Integrativa en Manejo de Cancer. (Integrative Cancer Management Workshop). Science and Technology Center, Caguas, PR. October 19, 2013.

PRESENTATIONS (Cont.):

Antiaging 2: The Vitality and longevity prescription. CE Conference (ACPE) for Pharmacists. San Juan, PR. October 9, 2013.

Nutrition, Health and Wellness. Part 2 of 4 Seminars to employees to improve health, productivity and wellness. Bayamon Unit, University of Puerto Rico. September 6, 2013

Metabolic Correction of Cardiovascular Disease: The functional Integrative Therapy. NACET (New Advances in Cardiovascular and Endovascular Technologies) Summit 2013. La Concha Hotel, San Juan, PR. May 2013.

Antiaging Medicine: Reversing the Biological Clock. CE Conference (ACPE) for Pharmacists. San Juan, PR. November 14, 2012.

"IVC Prevents and Treats Cancer-Associated Sepsis" 2012 Riordan IVC and Cancer Symposium. Panorama Room. Riordan Clinic. Wichita, KS. Oct 6, 2012.

Metabolic Correction: Addressing the biochemical root of Disease. Conference to Staff Clinicians (Dieticians, Pharmacists and Physicians). Veteran Administration Hospital. San Juan, PR. Sept 26, 2012.

The role of Metabolic Correction in Depression, Memory and Cognition. CE Conference (ACPE). San Juan, PR. May 9, 2012.

The role of Metabolic Correction in Diabetes and its complications. CE Conference (ACPE). San Juan, PR. March 28, 2012. Encore Presentation August 2012.

Vitamina C en Manejo del Paciente con Cáncer. I Simposio Tratamientos Complementarios e Integrativos de los pacientes con cáncer. Managua, Nicaragua. Octubre 15, 2011.

Diagnostic Radiation and Oncology Treatments: Mechanisms for Metabolic Protection. CE Conference (ACPE). San Juan, PR. Sept 21, 2011.

Improving Sexual Performance with Metabolic Correction. CE Conference (ACPE). San Juan, PR. April 14, 2011. Encore Presentation at the Annual Convention of Puerto Rico College of Pharmacists. El Conquistador Resort. Fajardo, PR. August 25, 2011.

Nutrients: The ignored option in the Management of Aggressiveness and Violence. CE Conference for Nutritionists and Dieticians. The Annual Convention of Puerto Rico College of Nutritionists and Dieticians, Hotel Gran Melia Gulf & Resort, Rio Grande. August 12, 2011.

The Metabolic approach to fat loss and body transformation. CE Conference (ACPE). San Juan, PR. February 17, 2011.

Role of Metabolic Correction in the Management of Depressive Disorders. CE Conference (ACPE). San Juan, PR. November 4, 2010.

Metabolic Correction as a Tool for Enhancing Mental Performance in Cognitive Decline. CE Conference (ACPE). San Juan, PR. October 14, 2010. Encore presentation in Ponce, PR, October 28, 2010.

Vitamin C and Cancer presentation. Tumor Board, Oncology Department, Auxilio Mutuo Hospital. San Juan, PR, June 24, 2010.

Integrating Pharmacological Nutrition in the Management of Diabetic Peripheral Neuropathy. CE Conference (ACPE). San Juan, PR. May 13, 2010.

PRESENTATIONS (Cont.):

The RECNAC 2 Project: Advances in Cancer Research. Main Speaker at the XXX Annual Forum on Research and Education of the Medical Sciences Campus, University of Puerto Rico. March 25, 2010.

The Science of Fat loss. International Medical Guide Seminar Series. Cairo, Egypt. March 19, 2010. Encore presentation. Alexandria, Egypt March 20, 2010.

The Pharmacological Management of Diabetic Peripheral Neuropathy: Symptomatic approach vs. Disease Modifying. CE Conference (ACPE). San Juan, PR. March 18, 2010.

Vitamin C in Cancer Therapy. Fellowship in Integrative Cancer Therapy. American Academy of Anti-aging Medicine (A4M). Boca Raton, Florida. February 21, 2010. Encore presentation, October 24, 2010.

RECNAC 2 Cancer Protocol. Fellowship in Integrative Cancer Therapy. American Academy of Anti-aging Medicine (A4M). Boca Raton, Florida. February 21, 2010. Encore presentation, October 24, 2010.

Pharmacy Bridging Conference: Biochemical Nutrition & Cancer: Theory & Research: Foundations for a Book. School of Pharmacy. December 4, 2009.

Integrative Medicine: Principles and Practice. Health Education Association. Marriot, Isla Verde. December 4, 2009.

Improving Clinical Results with Metabolic Optimization: The Role of Folate. CE Conference (ACPE). San Juan, PR. November 12, 2009 and April 15, 2010.

Annual "*Somos El Futuro*" Winter Conference. Panel Presentation on Breast Cancer and Access to Treatments. Intercontinental San Juan Resort and Casino in Isla Verde, Puerto Rico. November 9, 2009.

Reducing Cardiovascular risks with Biochemical Optimization. CE Conference as part of a Nutritionists and Dieticians Certification Program. Colegio de Nutricionistas y Dietistas de Puerto Rico (Puerto Rico College of Nutritionists and Dieticians), Cardiovascular Center for Puerto Rico and The Caribbean. San Juan, PR. Oct. 10, 2009.

Intravenous Vitamin C and Cancer: Pharmacokinetics and Protocols. First Riordan IVC and Cancer Symposium. Center for the Improvement of Human Functioning International. Wichita Kansas. Oct 3, 2009.

Vitamin C and Cancer: Orthomolecular Principles and Evidence. CE Conference for Nutritionists and Dieticians. The Annual Convention of Puerto Rico College of Nutritionists and Dieticians, El Conquistador Resort. Fajardo, PR. August 12, 2009.

Evidence Based Orthomolecular Oncology. Fifth Oncology Symposium for Health Professionals. American Cancer Society Intercontinental San Juan Resort and Casino. San Juan, PR. August 9, 2009.

Nutrition, Supplements and Cancer: Clarifying Myth with Science. CE Conference for Physicians. Colegio de Médicos y Cirujanos de Puerto Rico (Puerto Rico College of Physicians and Surgeons), Angora Convention Center, Caguas, PR. June 14, 2009.

Pharmacologic use of nutrients for Mental Illness. CE Conference (ACPE). School of Pharmacy, San Juan, PR. May 28, 2009.

PRESENTATIONS (Cont.):

Medicina Ortomolecular como Modelo de Conciencia Salubrista. Proyecto Colectivo de Enlace para Fomentar el Desarrollo de la Conciencia Salubrista. Proyecto Atlantea. X Congreso Internacional de Educación y Pensamiento. Cartagena, Colombia. May 13-15, 2009.

Orthomolecular Medicine: Principles and Concepts. CE Conference for Physicians. Colegio de Médicos y Cirujanos de Puerto Rico (College of Physicians and Surgeons of Puerto Rico), Edificio COSVI, San Juan, PR. April 25, 2009.

Nutrients: The ignored option in the Management of Aggressiveness and Violence. CE Conference. School of Pharmacy, San Juan, PR. April 16, 2009.

Annual “*Somos El Futuro*” Winter Conference. This Conference combines policymaking, governmental awareness, scholarship grants, and cultural performances to create a platform for leaders throughout the Northeast to engage and discuss the challenges facing the Puerto Rican community in New York and Puerto Rico. The Task Force has created a series of Public

Policy Forums focusing on: Economic Development; Breast Cancer Awareness and Treatment; Domestic Violence Prevention; and Diabetes Awareness and Treatment. Intercontinental San Juan Resort and Casino in Isla Verde, Puerto Rico. November 8, 2008.

Inflammation: Natural Alternatives to synthetic Drugs. 13th Annual Comprehensive Seminar Advances in Alternative Therapies for the Progressive Health Care Professional Houston, Texas October 2-4, 2008

Vitamin C and cancer: The Next Generation. Department of Biochemistry, School of Medicine. Seminar Series & the collaboration of the RCMI Program. September 24, 2008

Role of the Pharmacist in CAM. CE Conference (ACPE). Botanical Garden, UPR, San Juan, PR. June 7, 2008.

Nutrition and Supplementation for glucose-insulin disorders. CE Conference. School of Pharmacy, San Juan, PR. April 17, 2008.

Second Symposium on the Evidence Based Management of Chronic Diseases. Biochemical Medicine: Metabolic Correction as therapy. Ritz Carlton, San Juan, PR. April 17, 2008.

The Metabolic Approach to fat loss and body transformation. CE Conference (ACPE). San Juan, PR. March 27, 2008.

Integrative Management of Allergies. CE Conference (ACPE). San Juan, PR. December 6, 2007

Introduction to Nutraceuticals and Phytomedicinals. CE Conference (ACPE). San Juan, PR. November 15, 2007

Integrative Care of the Urinary Tract. CE Conference. School of Pharmacy, San Juan, PR. October 25, 2007.

Gastrointestinal disorders and diseases: “A Guide to Nutrition and Supplementation for Gut and Systemic Health”. CE Conference (ACPE). School of Pharmacy, San Juan, PR. August 30, 2007.

First Symposium on Integrative Medicine: Key Issues in the Management of Pain. Metropolitan University, Cupey, PR. February 23, 2007.

Improving Treatment Outcomes With Integrative Medicine: The Challenge of Integrating Evidence Based Alternative and Complementary Practices into Standard Medical Care. 12.5 CE Seminar for Physicians and Health Professionals. El Zipperle Restaurant. San Juan, PR. November 18-19, 2006.

PRESENTATIONS (Cont.):

- Nutrition and Supplementation for glucose-insulin disorders. Conference for Medical Students, Interns & Residents. PR Diabetes Center, San Juan, PR. November 14, 2006.
- Natural Cancer Therapies that Works. Presentation to Cancer Support Group, Occupational Medicine Office, Rio Piedras Campus, UPR. November 8, 2006
- Research Update on Intravenous Vitamin C as Cancer treatment. 4th Restorative Medicine Conference. CE Conference. Stowe, Vermont, USA. October 12, 2006.
- Evidence based Nutritional Biochemistry Strategies in Cancer Management. CE Conference. School of Pharmacy, San Juan, PR. September 14, 2006.
- Nutrition and Supplementation for Inflammation Control. Annual Congress, PR Rheumatology Association. CE Conference. Ponce Hilton, Ponce, PR. May 29, 2006.
- Antiaging Medicine: "Reversing the Biological Clock". CE Conference. School of Pharmacy, San Juan, PR. May 11, 2006.
- Nutrition, Supplementation and Cancer: "Science Demystifying the Myths". CE Conference. School of Pharmacy, San Juan, PR. March 30, 2006.
- Nutrition and Supplementation for Gastrointestinal and Systemic Health. 2006 Health Expo. Puerto Rico Convention Center, San Juan, PR. January 28, 2006.
- The nutritional pharmacological treatment of Chronic Fatigue Syndrome and Fibromyalgia: "The orthomolecular Approach for energy enhancement and pain relief". CE for Naturopaths. San Juan, PR. October 30, 2005.
- The Science of Supplementation for Cardiovascular Prevention and Treatment. CE Conference. Sponsored by the School of Pharmacy. Mayaguez Resort & Casino, Mayaguez, PR. September 17, 2005.
- Thermodynamics of Cellular Healing. 3rd Restorative Medicine Conference. CE Conference. Intercontinental Hotel, San Juan, PR. August 4, 2005.
- The nutritional pharmacological treatment of Chronic Fatigue Syndrome and Fibromyalgia: The orthomolecular solution for energy enhancement and pain relief. Sponsored by the School of Pharmacy, Medical Sciences Campus, University of Puerto Rico. June 26, 2005.
- Cardiovascular Protection: Minimizing the risks with Continuous Orthomolecular Assessment. Annual Convention of the Puertorrican College of Medical Technologists. Paradisus Hotel, Río Grande, PR. November 13, 2004.
- Proposed Dietary recommendations for the prevention and treatment of Degenerative diseases to the Nutrition Committee of Puerto Rico. November 12, 2004.
- Course of Medical Education: The Integrative Prescription for fat loss and body transformation. Annual Convention of the Puertorrican College of Physicians and Surgeons. Paradisus Hotel, Río Grande, PR. November 6, 2004.
- Basic Course of Medical Education in Medicine for Addiction. *Nutritional Pharmacology for Addictions: "The Science of reversing the biochemistry of craving"*. Puertorrican College of Physicians and Surgeons. Casa del Médico, Ponce, PR. September 26, 2004. Encore presentation at Ramon Ruiz Arnau Hospital Amphitheater. December 5, 2004.
- Second Public Health Conference, Special Session 4: The Role of Alternative Medicine in Puerto Rico's Health Services*. Sponsored by School of Public Health, Medical Sciences Campus, University of Puerto Rico. Caribe Hilton Hotel, San Juan, PR. September 1, 2004.

PRESENTATIONS (Cont.):

Women Health Issues: An Integrative Medicine Perspective. PR College of Technologists Convention. Condado Plaza Hotel, San Juan, PR. June 25, 2004.

Pharmaceutical, Nutraceutical and Nutritional Management of Diabetes, Cardiovascular Disease and Renal Insufficiency. Certification Program for the College of Dieticians and Nutritionists of Puerto Rico (16 hours program) Rio Piedras Campus, University of Puerto Rico. May 2004.

Seventh Plenary Session: Panel on the Contribution of Research Institutional Centers or Projects. Project RECNA2 (Cancer research). *XXIV Annual Research and Education Forum*, Medical Sciences Campus, University of Puerto Rico. April 2, 2004.

Nutrition and Supplementation Strategies for glucose-insulin disorders. First Symposium on Diabetes in the Women: Prevention, Research and Treatment. Wyndham Condado Plaza, San Juan, PR. Food and Drug Administration, Puerto Rico District in collaboration with local government agencies. February 26-27, 2004.

Antiaging Nutritional Pharmacology, exercise and supplementation. School of Public Health-MS-UPR October, 2003.

The Metabolic Approach to fat loss and body transformation. CE Conference. School of Pharmacy, San Juan, PR. September 10, 2003. Encore Presentation (Updated version) March 4, 2004. Revised Encore Presentation September 2, 2004.

Cancer, Nutrition and Supplementation. El Lucero de Salud (The Bright Star - Educational Center for optimal health through the Ann Wigmore diet). San Juan, PR. July 2, 2003.

Abstract presentation. Gonzalez MJ and Miranda-Massari JR. Ascorbic Acid and Copper: Effective Cytotoxic Agents Against Metastatic Breast Carcinoma (BRCA) Cells. Free Radicals: The Pros and Cons of Antioxidants. NIH, NCI, Bethesda, MD. June 26-27, 2003.

Issues in Geriatric Drug Therapy and Supplementation. Fourth Annual Conference on Elderly Nutrition. Ritz Carlton. San Juan, PR. March 21, 2003.

Geriatric Nutritional Pharmacology. Fourth Annual Conference on Elderly Nutrition. Ritz Carlton March 21, 2003.

Cardiovascular Protection and y regeneration with nutrition, exercise and supplementation. 45th Annual Convention, American Dietetic Association, Puerto Rico Chapter. March 7, 2003.

Nutritional Concepts in Oncology Care. *Corriendo Caminando por la Vida*, Conference for cancer survivors and lay public. Coordinated by CIMEC. Parque Central, San Juan, PR. March 2, 2003.

Nutritional Oncology 2003: Basic Principles of Nutrition and Supplementation for Patients dealing with cancer. Empowerment Project for Patients with Cancer. (PI - Dr. Zorrilla) Proyecto Madres y Niños, Puerto Rico Medical Center, San Juan, PR. January 24, 2003

Understanding Homeopathy: The Scientific Basis of Energy Medicine. John Hopkins University, Baltimore, MD (National Center for Homeopathy) June 15, 2002. Encore presentation CE for Pharmacists, School of Pharmacy, San Juan, PR September 23, 2002. Encore Presentation (Updated version) March 25, 2004.

Nutritional Pharmacology, Health and Dentistry Issues. School of Dentistry-MS-UPR. September 16, 2002.

PRESENTATIONS (Cont.):

Cardiovascular Protection and Regeneration with Nutrition, Exercise and Supplementation. 9th Convention of Critical Care and Nutritional Support. April 19, 2002

Improving Sexual Performance with Exercise, Nutrition and Supplementation. CE Conference. School of Pharmacy, San Juan, PR. January 30, 2002. Encore Presentation at the Cayey Campus, UPR, February 28, 2002. Encore Presentation at the Sixth University Symposium on Sexual Education. Intercontinental Hotel, San Juan, PR December 6, 2002.

The Nutritional pharmacological approach to arthritis and inflammation: Moving forward. CE Conference. School of Pharmacy, San Juan, PR. February 13, 2002.

Wellness: an investment worth making. Society for Human Resource Management (SHRM) Conference 2001, Puerto Rico Chapter. Riomar Hotel, Rio Grande, Puerto Rico. October 26, 2001.

Drug Use and Nutritional Pharmacology in the Older Adult. Puerto Rico Gerontology Society. Isla Verde, Tropimar Convention Center. September 22, 2001.

Nutraceuticals and Phytomedicinals 2001: The Essentials. Annual Convention of the Puerto Rico College of Pharmacists, Riomar Hotel, Rio Grande, Puerto Rico. (CE for Pharmacists) August 23, 2001.

Biochemistry of Dietary Supplements in Health and Disease 2001. 60th Annual Conference of the Puerto Rico College of Chemists (CE for licensed in chemists), Riomar Hotel, Rio Grande, Puerto Rico. August 8, 2001.

Using the Nutritional Facts Table for healthier product selection. El Lucero de Salud (The Bright Star - Educational Center for optimal health through the Ann Wigmore diet). July 2001.

Peña de la Vega* L, Jiménez-Velázquez* IZ, Miranda-Massari JR**, González MJ. Effect of Ginkgo and Donepezil for treatment of Dementia in Post-Menopausal Hispanic Women. First Inter-American Conference of Pharmacy and Nutrition. Havana Cuba, June 26 2001.

Homeopathy: Basic Principles and Applications. (CE for Pharmacists) PR College of Pharmacists, San Juan, PR. May 19, 2001. Encore presentation at the Annual Convention of the PR College of Pharmacists, Riomar Hotel, Rio Grande, Puerto Rico. August 24, 2001.

Ascorbic Acid and Copper: Effective Cytotoxic Agents Against Metastatic Breast Carcinoma (BRCA) Cells. Guzmán A, Pérez A, Mora E, Gonzalez MJ and Miranda-Massari JR. American Association for Cancer Research (ACCR) (March 24, 2001), Encore Presentation at: Twenty Second Investigation Forum, Medical Sciences Campus, University of Puerto Rico, Intercontinental San Juan Hotel. (April 20, 2001)

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Non-Toxic Cancer Chemotherapy for Solid Tumors. Foro Anual de Investigación del Recinto de Ciencias Médicas, San Juan, PR. April 2000.

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Nutritional Supplementation in Health and Healing. Miranda-Massari JR. For Arnet Pharmaceutical Corp. Ciudad de Guatemala, Guatemala. July 1999.

Compliance of Penicillin Prophylaxis in Puerto Rico Children with Sickle Cell Anemia. Rodríguez, J.F., Miranda-Massari, J.M., Molina, R., Santiago-Borrero, P.J., Research and Education Forum, Medical Sciences Campus, University of Puerto Rico, San Juan, Puerto Rico March 1996.

Tuberculosis: Patient Care and The Health Professional, Ponce, Puerto Rico (October 1995) and San Juan, Puerto Rico. February 1996.

Pharmaceutical Care in the Renal Patient, Caguas, Puerto Rico (March 1995), San Juan, Puerto Rico (August 1995), Mayagüez, Puerto Rico (March 1996), Bayamón. Feb, 97.

Applied Pharmacokinetics of Cardiovascular Agents for Pharmaceutical Care, San Juan, Puerto Rico. February 1995.

The Patient with Diabetes and Hypertension: An Effective Pharmaceutical Intervention, Puerto Rico College of Pharmacists Convention, Cerromar Hotel, Dorado, Puerto Rico. September 1994.

Pharmacological Update in the Treatment of Epilepsy, Puerto Rico College of Pharmacists Convention, Cerromar Hotel, Dorado, Puerto Rico. September 1994.

Faculty Training Model to Encourage the Development of Thinking Skills. Sixth National Encounter of Education and Thinking. Ponce Hilton Hotel, Ponce, Puerto Rico. April 1994.

Multisource Pharmaceutical Products and Therapeutic Equivalence, Puerto Rico Medical Association, San Juan, Puerto Rico. April 1994.

PRESENTATIONS (Cont.):

Update on Therapeutic Drug Monitoring, Continuing Education Course. Puerto Rico College of Pharmacists Convention. Caribe Hilton Hotel, San Juan, Puerto Rico. September 1993.

Principles of Pharmacology, Intensive Review Course of Internal Medicine for the Boards and Update/Review for Practicing Physicians. School of Medicine, University of Puerto Rico, Cardiovascular Center of Puerto Rico, San Juan, Puerto Rico. August 1993 -1996.

Clinical Application of Pharmacokinetics, Emergency Medicine Conference, School of Medicine, University of Puerto Rico, University Hospital, San Juan, Puerto Rico. July 1993.

Cardiac arrhythmias and its pharmacotherapy. Mini-course for pharmacists. University Hospital of Puerto Rico, San Juan, Puerto Rico. March 1993.

Digoxin total and free concentrations in patients treated with digoxin-specific antibody fragments. A comparison of two methods. 22nd Annual Southeastern Conference for Post-Graduate Pharmacy Education and Training, Athens, GA. April 1991.

Coordinated educational strategies to improve medication utilization among non-English speaking Hispanic elderly. Nat. Council on Aging Meeting, Washington, D.C. April 1990.

Misoprostol in NSAID induced ulcers. Seminar presented to clinical faculty and students, Philadelphia College of Pharmacy and Science, Philadelphia, PA. October 1989.

Clinical trials in the geriatric population. Workshop conducted in Spanish, International Pharmacy Students Federation Congress, Philadelphia, PA. August 1989.

MEMBERSHIP IN HONORARY AND PROFESSIONAL SOCIETIES:

Colegio de Farmacéuticos de Puerto Rico
American College of Clinical Pharmacy (ACCP)
American Association of Colleges of Pharmacy (AACP)
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93. Gonzalez MJ, Miranda-Massari JR, Mora E and Matta J. Inhibition of Human Breast Carcinoma Cell Proliferation by Ascorbate and Copper. (Abstract) Comprehensive Cancer Care Conference. (June/00)
94. Miranda-Massari JR and Gonzalez MJ. Yogur: Nutrición Viva. Revista Bienestar; Vol 2(3) 2000.
95. González MJ, Matos MI, Miranda- Massari JR. Ethical Issues in Nutritional Sciences for the Next Century: Nutrition Research and Counseling on Nutraceutical Supplementation and Disease. PR Health Sci J. 2000;19(2) 161-3.
96. Miranda-Massari JR and González MJ. Integrative Medicine: An innovative approach to medicine and medical education for the next millennium. Biomedicina 2000;3(1):s5-6.
97. Miranda-Massari JR and González MJ. Perspectivas de los Fitomedicinales en la Farmacia del Nuevo Milenio. Revista del Colegio de Farmacéuticos 2000;59(1).
98. González MJ, Miranda-Massari JR. On Integrative Medicine. Letter to the Editor. Biomedicina 1999;2(9):432-55.
99. Nesbitt L, Ricart CM, Miranda Massari JR and Gonzalez MJ. Long Term Effect of a High Fiber Dietary Supplement on Total Body Weight, Fecal Fat, Lipid Profile and Blood Pressure in Female Human Subjects. Biomedicina 1999;2(8):s9-12.
100. Peloquin, C. Miranda-Massari JR et al, Incidence of Low Anti-tuberculosis Drug Concentrations in Patients with AIDS. Annals of Pharmacotherapy 30(9):919-24 (1996).

PUBLICATIONS: (Cont.)

101. Miranda-Massari JR and García de Jesús, I., "Atención Farmacéutica en el paciente con Tuberculosis. "Revista del Colegio de Farmacéuticos de Puerto Rico" 54(5):13-26 (1995)
102. Miranda-Massari JR and Vázquez, A., "Aspectos terapéuticos del Cartílago de Tiburón". "Revista del Colegio de Farmacéuticos de Puerto Rico" 54(4):12-14 (1995)
103. Rodríguez-Orengo J, Maldonado W, Miranda-Massari JR et. al. Pharmacokinetics of Zidovudine in Puertorrican Children with HIV Infection. Abstract. Fourth International AIDS Symposium (December 1994)
104. Miranda-Massari JR and Maldonado W, Farmacocinética Aplicada: Fenitoína. Revista OFIL (Publicación oficial de la Organización de Farmacéuticos Ibero-Latinoamericanos) 1994; 4(1):42-54.
105. Kirk JK, Dupuis RE, Miles MV, Gaddy GD, Miranda-Massari JR, and Williams DM. (1994). Salivary Theophylline Monitoring: Re-Assessment and Clinical Considerations. Therapeutic Drug Monitoring 16(1):58-66.
106. Miranda-Massari JR and Maldonado W. Farmacocinética Aplicada: Aminoglucósidos. Revista OFIL (Publicación oficial de la Organización de Farmacéuticos Ibero-Latinoamericanos) 1993; 3(6):396-407.
107. Miranda-Massari JR and Maldonado W. Farmacocinética Aplicada: Teofilina. Revista OFIL (Publicación oficial de la Organización de Farmacéuticos Ibero-Latinoamericanos) 1993; 3(4):264-271.
108. Miranda-Massari JR and Maldonado W., Farmacocinética Aplicada: Principios Básicos. Revista OFIL (Publicación oficial de la Organización de Farmacéuticos Ibero-Latinoamericanos) 1993; 3(3):207-217.
109. Miranda-Massari JR and Dupuis RE. Clinical cases in renal disease and transplantation in: Herfindal ET and Hirshman JL. Eds. Clinical Pharmacy and Therapeutics Workbook. Williams and Wilkins, Baltimore (1993)
110. Miranda-Massari JR, Miles MV, Soucie M and Dupuis RE. Comparison of DigibindR interference between FPIA and ELIA digoxin methods. Abstract presented at the Meeting of the American College of Pharmacology (July 1992)
111. Miles MV, Miranda-Massari JR, Dupuis RE et. al., Determination of Salivary Digoxin with a Dry Strip Immunometric Assay. Ther. Drug Monit. 1992 14:249-254.
112. Miranda-Massari JR and Dupuis RE. Anticonvulsants-pharmacotherapeutic issues in the critically ill patient. AACN Clinical Issues in Critic Care Nurs. 1990;2(4):639-56.
113. Miranda-Massari JR. Dextran 1: Its use in the clinical setting. Hospital Therapy 1989;14:25-26 (October 1989)

Lay Public Publications

1. González MJ, Miranda-Massari JR and Iván Figueroa. The Nutritional Side of Cancer Treatment. Puerto Rico Business Ed. 6, 2005.
2. Miranda-Massari JR, González MJ and Iván Figueroa. Controlling your cholesterol. Puerto Rico Business Ed. 2, 2005.
3. Miranda-Massari JR and González MJ Nutrición y Suplementación contra el cáncer. Salud al Día (suplemento) El Nuevo Día Newspaper. October 2005.

4. Miranda Massari JR, Pérez L and Santiago L. Boletín Informativo Sobre Medicamentos para Pacientes con Trasplante Renal. Consejo Renal de Puerto Rico. marzo 1998.
5. Miranda Massari JR. Uso de Glucosamina y Condroitin en el paciente con osteoartritis. Bienestar. 1998;2:32-6.

Books

New Insights on Vitamin C and Cancer. MJ González and JR Miranda-Massari. Springer International Publishing Company. September 2014.

Chapter on Diet and Stress in *Psychiatric Clinics: Stress in Health and Disease.* MJ Gonzalez JR and Miranda-Massari. Elsevier Publishing Company. 2014 Dec;37(4):579-89.

I have Cancer; What should I do? The Orthomolecular Guide for Cancer Patients. Basic Health Publications. MJ Gonzalez, JR Miranda-Massari and A Saul. Published in 2009.

Book Citations

The Cancer Breakthrough: A Nutritional handbook for doctors and patients. 2007. Steve Hickey and Hilary Roberts. Acknowledgments (p. 3).

Ascorbate, Cancer, Nutrition and Survival. 2005. Steve Hickey and Hilary Roberts. Acknowledgments (p. 6) and vitamin C chapter (p.165-180)

Ascorbate, The Science of Vitamin C. 2004 Steve Hickey. ISBN: 1-4116-0724-4. Chapter on Vitamin C as treatment for cancer (p.197). Discussion Mayo Clinic Studies.

Institutional Service in Committees

Name	Type	Participation	Level	Year
Faculty Promotion Committee	Standing	member	School	2012-2013
Faculty Issues Committee	Standing	member	School	2010-2012
Human Rights Committee (IRB)	Standing	member	Campus	1999-2002
Goal V (Meta V)	Special	member	Campus	1999-2001
Computer Committee	Standing	member	School	1999-2001 2003-2005 2010-2011
Personnel Committee	Standing	member President President Member President	Department Department Department Department Faculty	1999-2000 2000-2004 2016-2017 2018-present 2018-present
Curriculum Sub-Committee	Special	member	School	1999-2001

Editorial Review Board, Reviewer and/or Translator for Professional Journals.

- | | |
|--|--------------|
| 1. The Annals of Pharmacotherapy | 1992-present |
| 2. British Journal of Nutrition | 2005-present |
| 3. Journal of Nutr. and Environmental Medicine | 2008-present |
| 4. Orthomolecular Medicine News Service | 2009-present |
| 5. Journal of Clinical Pharmacology | 2012-present |
| 6. Journal of Restorative Medicine | 2015-present |

OTHER ACTIVITIES:

Senior Researcher, DIABETES CENTER for Puerto Rico. Jan 2005-2010.

Member of Academic and Research Council International Nutritional Education Humanitas International Foundation. January 2005 to 2010.

Interdisciplinary Committee for the Design and Delivery of a Continuing Education Program for Physicians in the Integrated Treatment of Addiction. Commissioned and Coordinated by the Puerto Rico College of Physicians and Surgeons. May - December 2004.

Public Health Policy and Law making process.

- **March 2011.** R de C 1482 Comisión Salud. Para la regulación de las bebidas energizantes.
- **Feb 2011.** Proyecto de ley para incluir los “*fast foods*” el uso de fondos federales. P de C 2806. Programa Piloto PAN.
- **Oct 2010.** Taller y Conversatorio Sobre Salud Mental en Puerto Rico. Comisión de Salud del Senado de Puerto Rico. 26 de Octubre, 2010.
- **May 2009.** Health nutritional issues submitted to honorable Representative Rodríguez Aguiló. Proyecto de la Cámara de Representantes 17, Ley Núm. 72 del 26 de abril de 1940, según enmendada, conocida como “Ley de Alimentos, Drogas y Cosméticos de Puerto Rico. Para la regulación de las bebidas energizantes.
- **May 2004.** Health nutritional issues submitted to Senator Ortiz Dalot. 1. Obesity in childhood, 2. Nutritional Facts of Foods in Fast Food Chain Restaurants and 3. Vaccines with thimerosal.

New Courses

1. Metabolic Correction as a functional approach in disease management and Health Improvement. (FARM 7209). The course discusses the history of vitamins in general and pioneers in the area of nutrition, nutritional biochemistry and related topics. The course focuses on the clinical research of nutrients in the management of disease. (2013-present)
2. Introducción a la Investigación. BIOL 4990 Dept Biología. Facultad Ciencias Naturales, Recinto Rio Piedras, UPR. (2005-2014)
3. On-Line course Complementary and Alternative Practices in Health and Healing: An Integrative Medicine Approach. (Dr. JR Miranda Massari (Creator and Coordinator). Title V Project Proposal for Online Course Development. Grant April 2004. Finished December 2004.

4. Advanced Practicum in Integrative Medicine (FARM 7251) Dr. JR Miranda Massari (Creator and Coordinator). 4 credits (144 hours) Semester. The main purpose of this practicum is to further develop knowledge, skills and attitudes necessary in the optimal use of dietary supplements and other CAM tools that are available in pharmacies. Aug. 2004.
5. Complementary and Alternative Practices in Health and Healing: An Integrative Medicine Approach. (INTD 7995/INTD 5015) (Dr. JR Miranda Massari (Creator and Coordinator) 3 credits (54 hours) First Course on the area of Complementary and Alternative Medicine in the Medical Sciences Campus, UPR) 1999- to 2013.
6. Research Topics (F 7256): HPLC analysis of Ascorbate for Cancer Research. Summer 2004.
7. Topics in Pharmacy Practice (F 4282) Title: Clinical Literature: Analysis, Creation and the Publication Process. Summer 1999.

Academic Program Consultant/Faculty

- Design and deliver the course on Pharmacognosis Course (NSC 6130). Masters Program in Naturopathic Medicine EDP University. Scheduled for January 2015.
- Design and deliver the course on Botanical Medicine (MSN 8100) for the Masters in Human Nutrition and Functional Medicine, University of Western States. Spring 2014.
- Design, advice and support in the proposal of the Masters in Naturopathic Medicine EDP University. Approval granted by the Puerto Rico Higher Education Council (2013). 2012 - 2014.
- Design, advice and support in the proposal of the Doctorate in Naturopathic Medicine of the University of Turabo, SUAM (Sistema Universitario Ana G. Méndez) Approval granted by the Puerto Rico Higher Education Council (2008). 2005 - 2008.

Athletic Performance Consultant

- Puerto Rican National Basketball Team. Pre-Olympic Tournament. August 20-31, 2003 (This team gave the USA team its first defeat in Olympic Games since using NBA players)
- Puerto Rican National Swimming/Water-polo team 2003-2004.

Owner & President. Farmacia Las Monjas, 207 Uruguay Street, San Juan, PR.

Research Consultant. Center for the Improvement of Human Functioning (Wichita, KS) 2000-2006. Riordan Clinic 2014-2016.

Cofounder, Research and Education Director - Metabolic Correction Institute – Non for profit organization directed to develop and conduct research related to devastating conditions that affect quality of life to the individual and their family or/and have a high mortality by focusing on root causes of the conditions. Our mission is to develop and provide advanced, science-based educational, clinical and social services and also to promote public awareness worldwide.

Industry Consultant

Roche Pharmaceuticals (California, US), Wyeth Nutritionals (San Juan, PR), D&G Distributors (San Juan, PR), Randox Laboratories Ltd (San Juan, PR) and Nulab inc. (Clearwater, Florida), Gil Pharmaceuticals (Ponce, PR), Pfizer (San Juan), International Ethical Lab (San Juan, PR).

Mentor. Post Doctoral Masters in Clinical Research Program. University of Puerto Rico, Medical Sciences Campus, College of Health Related Professions and School of Medicine.

Institutional Review Board (IRB). Designated by the Chancellor as member of the IRB of the Medical Sciences Campus, University of Puerto Rico from 1999-2002.

CIMEC Project. Centro Integral de Manejo y Estudio del Cáncer (Integrated Center for the Management and Study of Cancer). Research Committee. Feb 2001-2010.

Radio program Co-producer and Interviewer. **Cognosis** Radio Station of the University of Puerto Rico, WRTU 89.7 MHz, FM (1984-87)

INBIOMED PR Project. INBIOMED PR is a multidisciplinary health promotion initiative aimed to maximizing human wellbeing by the use of effective, non-toxic protocols. The group is steered by investigators and clinicians with a broad range of specialties working together with the patient. INBIOMED PR stands for Institute of Biochemical Medicine of Puerto Rico. This project has a Research Branch, an Educational Branch and a Service Branch.

RECNAC II Project. RECNAC II is the main research project of InBioMed, Research Branch. It is a research initiative aimed to the development of effective, non-toxic cancer treatments. The group is steered by three investigators who suffered a personal loss due to cancer. RECNAC is cancer written backwards, meaning that our ultimate goal is to develop a protocol that will revert the cancer process.

TV Interviews

1. **WIPR TV** (Channel 6), Program: Ahora Podemos Hablar. Carmen Jovet (Interviewer) on **New Book on Vitamin C and Cancer**. April 12, 2015
2. **WKAQ TV** (Channel 2), Charito Fraticelli. Program: Telenoticias en Acción and **WAPA TV** (Channel 4), Luz Nereida Vélez. Presentation of **New Book on Vitamin C and Cancer**, Feb 24, 2015.
3. **WKAQ TV** (Channel 2), Charito Fraticelli. Program: Telenoticias en Acción. Interview on **Vitamin C and Chikungunya Fever**, Sep 8, 2014.
4. **WIPR TV** (Channel 6), Program: “Hablemos de Salud”. Carmen Jovet (Interviewer) on **Polypharmacy**. June 11, 2014.
5. **WKAQ TV** (Channel 2), Charito Fraticelli. Program: Telenoticias en Acción. Interview on **Eating Disorders and the use of cotton balls**, Dec. 9, 2013
6. **Canal 13 Teleoro TV**. “En Cuerpo y Alma”. Dr. Natalio Izquierdo. Interview on **Bioenergetic Theory of Carcinogenesis**. 4 de November 2013.
7. **CW Network**. Alerta Diabetes. Dr. Efraín Rodríguez Vigil (Endocrinologist and former Auxiliary Secretary of Health of Puerto Rico). Interview on Metabolic Correction Concept and Metabolic Correction in pre-diabetes and diabetes. June 15, 2013.
<http://www.bumbia.com/alertadiabetes/correccionmetabolicaparte1de3-150775.html>
8. **Canal 13 Teleoro TV**. “Ellas y “Tus Noches. María María y Geraldine Fernández. Interview on **Metabolic Correction for MTHFR Polimorfism**. 12 de Septiembre 2012.
9. **Canal 30 TV** De Todo y con Todo. Angel Oliveras. Interview on **Metabolic Correction for MTHFR Polimorfism**. 13 de Septiembre 2012.

10. **CNN en Español**, Alejandra Oraa. Program: CNN Café. Interview on **Metabolic Correction for MTHFR Polimorfism**. (Audience 36 millions) Sept 6, 2012.
11. **WAPA TV** (Channel 4), Luz Nereida Vélez. Program: Noticentro 4. Interview on **Manejo Metabólico de la Depresión**, April 2011
12. **WAPA TV** (Channel 4), Luz Nereida Vélez. Program: Noticentro 4. Interview on **Manejo Metabólico de la Neuropatía Diabética**, Sept. 15, 2010
13. **WIPR TV** (Channel 6), Program: Te Llegó la Hora. Hector Marcano (Interviewer) on **Integrative Medicine Congress**. August, 2010
14. **WAPA TV** (Channel 4), Luz Nereida Vélez. Program: Noticentro 4. Interview on **New Book Integrative Cancer Management**, April 2010
15. **WAPA TV** (Channel 4), Luz Nereida Vélez. Program: Noticentro 4. Interview on the **Medical Food**. March, 2010
16. **Nueva Vision TV** (Channel 40) SUAM (Ana G. Méndez University System). Host: Dr. Luis Ortiz Espinosa. Onco 2000 en el Canal 40. **Orthomolecular Management of Gastrointestinal Cancer**. December 8, 2008.
17. **WIPR TV** (Channel 6), Program: Dimelo MD. Vicepó Ivonne (producer) Lilly García (Interviewer) on **Productos Transgénicos**. April 3, 2008
18. **UNIVISION TV** (Channel 11) Elwood Cruz. Program: Tu Mañana. Interview on the Impact of New Legislation on **Trans Fatty Acids**. April 24, 2007.
19. **UNIVISION TV** (Channel 11) Marjorie Ramirez. Program: Tu Mañana. Interview on the **Dietary Supplements**. October 26, 2006.
20. **WAPA TV** (Channel 4), Luz Nereida Vélez. Program: Noticentro 4. Interview on the **Wilson Temperature Syndrome**. August 1, 2005.
21. **WIPR TV** (Channel 6), Program: Dimelo MD. Vicepó Ivonne (producer) Lilly García (Interviewer) on **Reasons for Supplementation**. March 30, 2004.
22. **WIPR TV** (Channel 6), Program: Dimelo MD. Vicepó Ivonne (producer) Lilly García (Interviewer) on **Non-toxic Cancer Treatments**. September 2, 2003.
23. **WIPR TV** (Channel 6), Program: Dímelo MD. Vicepó Ivonne (producer) Lilly García (Interviewer) on **Anti-aging Medicine**. April 20, 2003.
24. **WAPA TV**, Luz N Vélez. (Channel 4) **Program: Noticentro 4**. Special TV Series on the subject of **weight loss diets and dietary supplementation**. March 19, 2003.
25. **SBN TV** (Channel 15), Programa Salud. **Investigaciones de Cancer (RECNAAC II)**. July 2000.
26. **SBN TV** (Channel 15), Programa Salud. **Educación y Práctica en Medicina Integrativa (InBioMed)** July 2000.

Radio Interviews

1. **WSKN Radio Isla 1320.** Salud + Demos. Dr. Jaime Claudio. Manejo Integrativo de Autismo y Terapia de Corrección Metabólica. April 2, 2018
2. **WVOZ Salud 1520.** Dimensión Saludable. Dra. Inés Alfaro. Corrección Metabólica. Abril 8, 2015

Radio Interviews

3. **WVOZ Salud 1520.** Salud y vida Gutiz. Yadira Hidalgo, Héctor Gutiérrez. Simposio de Vitamina C. March 13, 2015
4. **WRTU 89.7 Radio Universidad.** Investigando y Rebuscando. Beatriz Morales Arlequín. Vitamina C y Cáncer. Diciembre, 2014
5. **WVOZ Salud 1520.** Dimensión Saludable. Inés. Riesgos de la Radiación para la Salud. Agosto 27, 2014
6. **WRTU 89.7 Radio Universidad.** Investigando y Rebuscando. Beatriz Morales Arlequín. Corrección Metabólica. Diciembre 04, 2013
7. **WSKN 1320 Radio Isla.** Salud y Nutrición. Vilma Calderón. Riesgos del azúcar en nuestra dieta. Octubre 28, 2013.
8. **WSKN 1320 Radio Isla.** Salud + Demos. Dr. Jaime Claudio. Corrección Metabólica para Mejor Salud. October 28, 2013
9. **WSKN 1320 Radio Isla.** Salud PR. Cindy Navarro e Ivette Gomez. Nutrición y suplementación para Mejor Salud. October 26, 2013
10. **WIPR 940 AM Emisora Radial del Gobierno de Puerto.** Luis Antonio Rivera. "Con Yoyo en el Tapón". 14 de Septiembre 2012.
11. **WKAQ 580 AM.** Normando en el 580 AM. Normando Valentín, host. Osteopenia, Osteoporosis y Corrección Metabólica. March 27, 2011.
12. **RED 96.5 FM.** Hablando de Salud Pública. Fred Hernandez, host. Presentation of the book. I have Cancer, what should I do. December 11, 2009.
13. **WSKN 1320 Radio Isla.** Al Unísono. Vicky Alberty. Mejorando la calidad y prolongando la vida y con nutrición y suplementación. January 19, 2009.
14. **WSKN 1320 Radio Isla.** En Boca de Todos. Belén Martínez Cabello. Tratamiento ortomolecular de cáncer de RECNA2. January 13, 2009.
15. **CDN la Radio 92.5 FM Sonido, Música y Ciencia. Santo Domingo, República Dominicana.** Alejandro José Moya. Interview about RECNA2 project cancer research. April 6, 2008.
16. **WIPR 940 AM Emisora Radial del Gobierno de Puerto.** Impacto Comunitario. Host: Eduardo Quijano. RECNA2 Cáncer Research Project. March 25, 2008.
17. **WIAC 740 AM Cadena Radio Puerto Rico.** Program: Día a Día con Maya Valle. Subject: Metabolic Correction and Biochemical Medicine in Cancer Management. March 19 and April 23, 2008.
18. **WIAC 740 AM Cadena Radio Puerto Rico.** Program: Día a Día con Maya Valle. Subject: Evidence Based Management of Chronic Diseases. Biochemical Medicine: Metabolic Correction as therapy. March 12, 2008.

19. **WQII 1140 AM La Emisora de la Mujer. Programa** Hablando de Filantropía. Host: Lilly Zellers. Cancer Survivors experiences with the RECNAAC II Cancer Research Project. February 29, 2008.
20. **WUNO 630 AM Notiuno.** En Caliente con la Jovet. Host: Carmen Jovet. Metabolic Correction and Biochemical Medicine in Cancer Management. Feb 4, 2008.
21. **Ateneo 100.7 FM (CICUITO RADIAL TRIPLE F) la emisora del Ateneo de Caracas, Venezuela.** Polo Troconis. Entrevista sobre el proyecto RECNAAC II y sus investigaciones en el área de cáncer. August 26, 2007.
22. **WRTU 89.7 FM Emisora Radial de la Universidad de Puerto.** Entrevista sobre Violencia y Bioquímica. Periodista: Yahaira Roderó. August 16, 2007.
23. **WRTU 89.7 FM Emisora Radial de la Universidad de Puerto.** Entrevista sobre Esteroides Anabólicos. Periodista: Roberto Morales. July 6, 2007.
24. **WIPR 940 AM Emisora Radial del Gobierno de Puerto.** Pacto Comunitario. Research and Public Policy in CAM. June 4, 2007.
25. **WSKN 1320 Radio Isla.** En Boca de Todos. Susan Soltero. Discusión de temas de Salud: Tratamiento Integrativo de Hepatitis C. January 9, 2007.
26. **WSKN 1320 Radio Isla.** Mundo de Mujeres. Amneris Morales & Von Marie Méndez. Nutrición y Suplementación para la Salud y la Sanación. June 11, 2006.
27. **WQII 1140 AM La Emisora de la Mujer.** Programa Gente. Nieves González. Medicina Integrada la opción del futuro. December 22, 2004.
28. **WIPR 940 AM Emisora Radial del Gobierno de Puerto.** Despierta Puerto Rico. Alejandro Primero. Esteroides Anabólicos. May 5, 2004.
29. **WIAC 740 AM Cadena Radio Puerto Rico.** Program Nestor Figueroa Lugo Analiza. Subject: Scientific Forum on Vieques Health and Environmental Contamination. May 11, 2000.
30. **WKAQ 580 AM Cadena Radio Reloj Puerto Rico.** Program Mesa Redonda Subject: Nutritional Supplementation as a tool in Integrative Medicine. Rosa Julia Padilla. March 16, 2000.

Press Interviews/articles (Periodicals)

1. Vitamina C contra el Chikungunya. Aurora Rivera Arguinzoni. 8 de septiembre de 2014
2. Corrección Metabólica. Ileana Delgado. Sección Bienestar de El Nuevo Día. P 6-9, 22 de Julio 2013.
3. Enzimas al Rescate del Organismo. Teresita Heidrich. Revista Buena Vida. Septiembre 2012.
4. Alterna vs. Tradicional Terapias para Cáncer. Gloria Ruiz Kuilan. Noticias; p 10-13. El Nuevo Día. 8 Mayo 2011.
5. 21 alimentos anticáncer. Salud al Día. El Nuevo Día. 31 Octubre, 2010.
6. Tratamientos con Medical Foods. Ileana Delgado Castro. Por Dentro, Salud; p 10-13. El Nuevo Día. 29 Octubre, 2010.
7. Vitamina D: Prevención en un suplemento. Ileana Delgado Castro Mi bienestar. El Nuevo Día. 27 Agosto, 2010.

8. Alimentos Depurativos. Pueden ayudarte a limpiar el organismo de toxinas acumuladas Ileana Delgado Castro Mi bienestar. El Nuevo Día. 25 Abril, 2010.
9. La Medicina Anti-envejecimiento Puede Ayudarte a Rejuvenecer Saludablemente. Ileana Delgado Castro, Mi bienestar. El Nuevo Día. 21 Febrero, 2010.
10. Miguel Ángel Suarez: Positivo Ante Todo. Ana Enid López. Sec. Flash, El Nuevo Día. 14 enero, 2009. P. 72.
11. Vitamina C es enemiga del Cáncer. Rosita Marrero. Sec. Panorama, Primera Hora. 14 enero, 2009. P. 17.
12. Miguel Ángel Suarez: Apoyado por los Suyos. Periódico Primera Hora. 13 de enero 2008. P.35.
13. La cultura de lo orgánico. Elba Betancourt Díaz / Especial. Periódico El Nuevo Día. Lunes 28 de enero 2008.
14. Cóctel Explosivo: Informe Especial. Bárbara J. Figueroa Rosa, Periódico Primera Hora (newspaper), lunes, 17 de septiembre de 2007.
15. El Poder de las Vitaminas. Interview by Sara M. Justicia Doll. Primera Hora newspaper, sección A Tu Manera, 17 de noviembre, de 2006, pag. 82.
16. La diabetes mellitus y la medicina integrativa por Dr. Jorge R. Miranda Massari y Dr. Michael J. González. Salud y Vida, Periódico El Vocero (newspaper). April 4, 2007
17. Redox Therapy. Article in Wikipedia, the free encyclopedia. Definition of the concept and a brief history of its development. (http://en.wikipedia.org/wiki/Redox_therapy) December 2006.
18. Suplementos Nutricionales: Riegos y beneficios. MA Custodio. Periódico Dialogo (University of Puerto Rico newspaper). December 2006.
19. Diez alimentos que debes evitar. Elba Betancourt Díaz. Section: En Portada, p 8. El Nuevo Día newspaper. (sección Con Salud p8-9). 27 de marzo 2006.
20. Efectiva la vitamina C para tratar cáncer. Rita Iris Pérez Soto. Periódico Dialogo (University of Puerto Rico newspaper). Marzo/Abril 2006.
21. High dose vitamin C is safe for cancer patients. L Campos, Medical News Today 2006/03/19.
22. New Study Debunks Fears That Vitamin C May Cause Harm. Submitted by Health Gazette, 2006-03-14 06:17.
23. Ingenio Boricua en formula anti-cáncer. Marga Parés Arroyo. Section: El País, p 10. El Nuevo Día newspaper. Lunes 7 de noviembre 2005.
24. Piden una investigación más detallada. Alexis Figueroa Cancel. Acción Deportiva. P. 82-83. Periódico Primera Hora (newspaper). Martes 1 de noviembre, 2005.
25. Vitamina C, la diferencia entre ganar y perder. Alexis Figueroa Cancel. Acción Deportiva. P. 82-83. Periódico Primera Hora. Sábado 29 de octubre, 2005.
26. Aroma de café. Ileana Delgado Castro. Revista En Salud, El Nuevo Día newspaper. 8 de Febrero 2005. Pág. 8-9.
27. Nutrición y Suplementación contra Cáncer (Oncología Nutricional). Revista En Salud, Periódico El Nuevo Día. 23 de Agosto 2005. Pág. 4-6.

28. Los efectos adversos de los esteroides anabólicos Por Elba Betancourt Díaz. Especial El Nuevo Día newspaper, Martes 22 de febrero de 2005
29. Anatomía del amor; El poder sanador de la sexualidad. Ileana Delgado Castro. Revista En Salud, El Nuevo Día newspaper. 22 de Febrero 2004. Pág. 10-12.
30. Amenaza de BACTERIAS. Por Larissa Vázquez Zapata. El Nuevo Día, Domingo 8 de febrero de 2004.
31. ¿Original o Genérico? Ileana Delgado Castro. Revista Domingo, El Nuevo Día newspaper. 1 de Febrero 2004. Pág. 8-9.
32. Estudiosos unidos por el dolor. Teresita Heydrich Blanco, Sección Por Dentro, Periódico El Nuevo Día. 10 de Junio 2002. Pág. 10-12.
33. Florece un rayo de luz contra el cáncer. Teresita Heydrich Blanco, Sección Por Dentro, El Nuevo Día newspaper. 13 de Mayo 2002. Pág. 55.
34. González MJ. y Miranda JR. Dieta y Ejercicio, Periódico La Perla, Julio 2001.
35. ¡Ojo con esas mezclas! Ileana Delgado Castro. Revista Domingo, El Nuevo Día newspaper. 5 de Noviembre 2000. Pág. 10-11.
36. ¿Es el tamoxifeno una opción? ConSalud. El Nuevo Día (electronic newspaper edition). 19 de septiembre de 2000.

Scientific Advisory Board Consultation

Team of experts in endocrinology, pediatric endocrinology, clinical chemistry, nephrology, and regulatory science will meet with scientists from Germany and the US to discuss the effects of interfering substances, including ascorbic acid, on blood glucose monitors. We will also discuss the performance of some new products in developing. December 2010.

Scientific Advisory Board of AIANE (1995-1999)

AIANE is an educational organization focused on healthcare and nutrition as basis of prevention of chronic diseases. AIANE is an Internet based educational institution, aimed to facilitate the development of the health related careers. (1995-2002)

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Advanced Cardiac Life Support (ACLS) Certification. American Heart Association (1991-95)

Basic Cardiac Life Support (BCLS) Certification. American Heart Association (1991-1995)

Cardiopulmonary Resuscitation Certification. American Heart Association (1990-1995)

ACADEMIC-APPLIED RESEARCH PROJECTS:

Academic Collaborative Agreement Between the University of Puerto Rico, Medical Sciences Campus and the Autonomous Coahuila University (State of Coahuila, Mexico). For the research, publication and clinical application of Metabolic Correction Strategies. February 2015.

Mitochondrial Correction by liposome nano-technology as a novel therapeutic tool for the treatment of Cancer and Chronic Diseases. Science and Technology Grant RFP Program Reference: FY2014-15-#01.

Prevalence of *MTHFR* Polymorphisms in Metformin-treated Puerto Rican Patients with type-2 Diabetes in Puerto Ricans. A Pilot Pharmacogenetic Study. Sept 2012.

Metabolic Correction in Patients with type 2 Diabetes Mellitus treated with metformin: An Interventional Pilot Project. (2015).

Effect of Treatment-modifying *MTHFR* Polymorphisms on Diabetes Peripheral Neuropathy in Metformin-treated Puerto Rican Patients with type-2 Diabetes. May 2011

Proyecto Atlantea*: Propuesta para Fomentar el Desarrollo de la Conciencia Salubrista, que Impacte el Desarrollo Curricular y el Trabajo Comunitario. Los proponentes de esta propuesta son docentes de la Universidad de Puerto Rico e Instituciones educativas de Aruba, República Dominicana, Colombia y Ecuador. 2010

(Atlantea es una iniciativa del personal docente de la Universidad de Puerto Rico que colabora junto a la de colegas de la comunidad académica de la región caribeña con el propósito de enriquecer su experiencia académica cotidiana. El proyecto pretende hermanar a las islas caribeñas entre sí y con el resto de los países de la Cuenca del Caribe en una agenda amplia de investigación, enlace e intercambio académico.)

***Atlantea Project** is an initiative from professors at the University of Puerto Rico who in solidarity, volunteer to collaborate with each other with the purpose of enriching their daily academic experience. Atlantea promotes collaborative work among professors from the University of Puerto Rico in the Caribbean region.

Knowledge and preference when buying dietary supplements in two pharmacies and two Health Food Stores at Puerto Rico. Protocol 2440108. Moreno J, Miranda-Massari JR and Antoun M. 2007-8.

Bioavailability study of liposomal and other forms of vitamin C. Miranda-Massari JR, Duconge J, Ghaly E, Bloom J, Jimenez B and Gonzalez MJ. School of Pharmacy, School of Medicine and School of Public Health. Medical Sciences Campus, University of Puerto Rico (Pending)

Vitamin C Plasma Levels in Pediatric Intensive Care Patients. Protocol H08088. Cubero N, Bezares E, Miranda-Massari JR, Duconge J, González MJ, Fernandez Sein A. (2007-2009)

ACADEMIC-APPLIED RESEARCH PROJECTS:

Pharmacokinetics of high dose intravenous Vitamin C in Normal Volunteers. Miranda-Massari JR, Duconge J, and Gonzalez MJ. School of Pharmacy and School of Public Health. Medical Sciences Campus, University of Puerto Rico (2007-to date)

Pharmacokinetics of high dose intravenous Vitamin C in Cancer Patients. Miranda-Massari JR, Duconge and Gonzalez MJ. School of Pharmacy and School of Public Health. Medical Sciences Campus, University of Puerto Rico (Pending)

Effects of Pain and Weakness in Patients taking Statins, After Supplementing with Coenzyme Q10. Aponte, N; Toledo, KE, Miranda-Massari JR, Duconge J, González MJ. (2006-2008)

Health Seeking Behavior and CAM Utilization Patterns in Puerto Rico: Implications for Health Policy Administration Puerto Rico Health Services Research Institute. NIH, Minority Research Infrastructure Support Program (M-RSIP). PI, Roberto Torres-Zeno. (2006-2010)

Regeneration of mitochondrial function in malignant cells and re-differentiation. We have found mitochondrial abnormalities in malignant cells. We believe this to be the main signal that drives gene expression toward the malignant state. This idea comprises what we have called "The Unified Bio-energetic Theory of Carcinogenesis". This project aims to find ways to correct the mitochondrial abnormalities with the use of non-toxic nutrients and other strategies to provoke cell re-differentiation or cell death. (2010-to date)

Non-Toxic Cancer Chemotherapy for Solid Tumors. Effect of Ascorbate, copper and oxygen on malignant cells in tissue culture, animal models and human subjects. González MJ, Miranda-Massari JR, Mora E and Matta J. School of Public Health, School of Medicine, School of Pharmacy and Ponce School of Medicine. (2001-2005)

ACADEMIC-APPLIED RESEARCH PROJECTS:

Compliance and Pharmacokinetics Study of Penicillin Prophylaxis in Sickle Cell Patients. Miranda Massari JR, Rodríguez Orengo J, Rivera Caragol E and Santiago Borrero P. School of Pharmacy, Medical Sciences Campus, University of Puerto Rico, Pediatric Hospital, Puerto Rico Medical Center, San Juan, Puerto Rico (1994-96)

Absorption of Anti-tuberculosis Medication in AIDS Patients: A Multicenter Pilot Study. Pelloquin C, Nita W, Burman W, Brudney K, McGuinness M, Miranda Massari JR and Gerena G. National Jewish Center, Denver, Co., VAMC, NY, Los Angeles Public Health, San Antonio, TX, School of Pharmacy, Medical Sciences Campus, University of Puerto Rico, Belleview Hospital (1993-95)

Pharmacokinetics of AIDS Related Drugs. Rodríguez Orengo JF, Pérez A, Maldonado W, Miranda-Massari JR, Diaz C, Vázquez G and Zorrilla C. (1993-95)

Therapeutic Drug Monitoring of carbamazepine in serum and saliva of Hispanic children with neurologic disorders. Miranda Massari JR, Pérez Gilbe A, Miranda Salgado HS and Toro Vizcarrondo CE. School of Pharmacy and Public Health, Medical Sciences Campus, University of Puerto Rico and the Hospital of the City of San Juan (1993-95)

ACADEMIC-APPLIED RESEARCH PROJECTS:

Pharmacokinetic studies of AIDS related drugs in puertorrican children and adults. Rodríguez, JF, Pérez A, Maldonado W, Miranda Massari JR, Díaz C, Vázquez G and Zorrilla, C. School of Pharmacy and School of Medicine, Medical Sciences Campus, UPR, the Children's Hospital of Puerto Rico and the University Hospital of Puerto Rico (1992-5)

Evaluation of two immunoassays for the determination of salivary and serum digoxin concentrations in patients with renal failure. Miranda Massari JR, Dupuis RE and Miles MV. UNC Hospitals and School of Pharmacy, Chapel Hill, NC (1991-1992)

Digoxin analysis by fluorescence polarization immunoassay and by enzyme labeled immunoassay. Miles MV, Zaritsky A, Mill MR, Dupuis, RE and Miranda Massari JR. Comparison of serum to saliva concentrations. UNC Hospitals and School of Pharmacy, Chapel Hill, NC (1991-1992)

Digoxin total and unbound concentrations in patients treated with digoxin-specific antibody fragments: A comparison of two methods. Miranda Massari, JR, Dupuis, RE, Sucie, M and Miles, M.V. UNC Hospitals and School of Pharmacy, Chapel Hill, NC (1991-1992)

Impact of computerized pharmacokinetics forecasting on practitioner competency, kinetic consultation activities and patient outcomes. A demonstration proposal from Matzke GR, Dupuis RE, Carson SW, Frye R and Miranda Massari JR. UNC Hospital and School of Pharmacy, Chapel Hill, N.C. (1991-1992)

Completed Research Support

2 R 24HS0140460-06

Torres-Zeno (PI)

09/01/06-09/30/09

Health Seeking Behavior and CAM Utilization Patterns in Puerto Rico: Implications for Health Policy Administration Puerto Rico Health Services Research Institute. NIH, Minority Research Infrastructure Support Program (M-RSIP). Role: Co-PI