Víctor Javier Lara-Díaz, MD, PhD.

Professor-Researcher. Strategic Research Focus Group on Human Genetics. Program Director of the Neonatology Fellowship, Multicentric Medical Residency Programs.

Research Areas:

- Molecular Biology of Oxidative Stress and Bio protection.
- Biomarkers and Therapeutic Targets.
- Pharmacology and Toxicology in Perinatal Medicine.
- Perinatal Epidemiology

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Professor Lara-Díaz obtained his M.D. Degree with honors at Universidad de Monterrey, in February 1982. He then pursued the Medical Residency in Pediatrics and obtained the degree of Specialist in Pediatrics in 1990, granted by Universidad Autónoma de Nuevo León, also in Monterrey, Nuevo León, México. Afterwards, he completed the University Medical Residency in Neonatology and obtained the degree of Specialists in Neonatology, granted by Universidad de Monterrey, in 2004. From 1988 to October 2003 Dr. Lara-Díaz was an Associate Professor of Pediatrics and later of Pediatrics and Neonatology, at Hospital Conchita, affiliated to the Medical School of Universidad de Monterrey. Since February 2006 he is a Professor at Escuela de Medicina y Ciencias de la Salud, Tecnológico de Monterrey, where he was the founder and current academic director of the Neonatology Fellowship of the Multicentric Medical Residency Programs of Tecnológico de Monterrey and Secretaría de Salud, in Monterrey, Nuevo León, México. On May 2007, he obtained the master's degree in Medical Sciences and Biotechnology, at Escuela de Medicina y Ciencias de la Salud of Tecnológico de Monterrey, in Monterrey, Nuevo León, México. Later, Dr. Lara-Díaz continued to pursue a second Master of Sciences and a Doctoral degree, focused on Molecular Medicine applied to Oxidative Stress and Bio Protection, both at CEU-Universidad San Pablo, Madrid Spain, which he accomplished in 2013, with Cum Laude. He is currently affiliated to the Strategic Research Focus Group on Human Genetics at Escuela de Medicina y Ciencias de la Salud, Tecnologico de Monterrey. He has collaborated as a reviewer for Universitas.Scientiarium of the Pontificia Universidad Javeriana, Bogotá, Colombia; Global Journal of Health Science, from the Canadian Center of Science and Education; Journal of Biological Regulators and Homeostatic Agents, from Biolifesas.org ; American Journal of Perinatology, Thieme, Germany and UK , European Journal of Pediatrics, Springer Link, Berlin; Pediatric Research, Nature Publishing Group, official publication of the American Pediatric Society, the European Society for Pediatric Research and the Society for Pediatric Research; and Panamerican Journal of Public Health, by the Pan American Health Organization (PAHO), headquartered in Washington, D.C., the United States of America.

He is Associate Editor of Tratado de Pediatria, published in 2017 in Madrid, by CTO editorial, where he contributed to five chapters, and has published 12 scientific communications, indexed in Scopus, where he currently has an H index of 4, and participated in numerous medical national meetings as a speaker. He has also developed an Electronic Health Record application, focused on the Pediatrics field, along with another partner. His current research efforts are focused on the study of caffeine metabolism in the preterm neonate; search of biomarkers and potential therapeutic targets for bronchopulmonary dysplasia; studies on toxicology and substance abuse in adolescent pregnancy; search of biomarkers for the early detection of fetal alcoholism spectrum; and search for early detection of late-onset neonatal sepsis through novel micro-electronic devices. His areas of interest in teaching lie on Neonatology, Molecular Medicine applied to Neonatology, Medical Research methodology, and Ethics in Medical Research. Dr. Lara-Díaz is member of multiple professional organizations, including being a founder member and past-president of Sociedad de Neonatología del Estado de Nuevo León, AC; Current member of Federación Nacional de Neonatología de México, AC; past-president and current counselor for the Consejo Mexicano de Certificación en Pediatría, Sección Neonatología, AC; numerar member of Academia Mexicana de Pediatría, AC; and member of Conacyt National Researchers Council (Level I). He is currently in active clinical practice, and strongly involved in translational medical research and postgraduate medical teaching. He has conducted 15 medical specialty and one Clinical Sciences doctorate theses in Tecnológico de Monterrey affiliated programs.

Most recent publications:

1. Castilla-Cortazar I, De Ita JR, Aguirre GA, García-Magariño M, Martín-Estal I, **Lara-Diaz VJ**, Elizondo MI. Growth hormone insensitivity: Mexican case report. Endocrinol Diabetes Metab Case Rep. 2017 Nov 9;2017. pii: 17-0126.
2. Martínez LM, Videa M, López Silva T, Castro S, Caballero A, **Lara-Díaz VJ**, Castorena-Torres F. Two-phase amorphous-amorphous solid drug dispersion with enhanced stability, solubility and bioavailability resulting from ultrasonic dispersion of an immiscible system. Eur J Pharm Biopharm. 2017 Oct;119:243-252.
3. Guzmán-Navarro G, Castorena-Torres F, **Lara-Díaz VJ**. To the Editor: Concerning Kaya et al. Fetal Pediatr Pathol. 2017 Oct;36(5):345-346.
4. **Lara-Diaz VJ**, Castilla-Cortazar I, Martín-Estal I, García-Magariño M, Aguirre GA, Puche JE, de la Garza RG, Morales LA, Muñoz U. IGF-1 modulates gene expression of proteins involved in inflammation, cytoskeleton, and liver architecture. J Physiol Biochem. 2017 May;73(2):245-258.
5. De Ita JR, Castilla-Cortázar I, Aguirre GA, Sánchez-Yago C, Santos-Ruiz MO, Guerra-Menéndez L, Martín-Estal I, García-Magariño M, **Lara-Díaz VJ**, Puche JE, Muñoz U. Altered liver expression of genes involved in lipid and glucose metabolism in mice

with partial IGF-1 deficiency: an experimental approach to metabolic syndrome. J Transl Med. 2015 Oct 14;13:326.

Webpage: https://www.researchgate.net/profile/VICTOR_JAVIER_LARA-DIAZ