



Dr. Jorge Eugenio Moreno Cuevas

Strategic Focus Group Leader

National Medical School

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Dr. Jorge Eugenio Moreno Cueva was born on April 23th of 1962 in Monterrey, Nuevo León.

He graduated with a General Practitioner degree from the Medical School of Tecnológico de Monterrey in 1986. He studied at Baylor College of Medicine for his post-Doctoral degree from 1988 to 1990. In 1990, he formally began his post-grad studies in the University of Texas and MD Anderson Cancer Center in Houston, Texas, where he obtained his Masters in Science degree in 1993 and his PhD in Biochemistry in 1999. Dr. Moreno was an assistant professor in the aforementioned University from 1999 to 2000. In the year 2000, he became a Professor at Instituto Tecnológico y de Estudios Superiores de Monterrey, where he remains up until now. Furthermore, he is the leader of the Strategic Focus Group of Bio-Engineering and Regenerative Medicine in this Institution. His strategic focus group consists of 6 affiliated professors, 4 Masters students and 2 Doctorate students. In the last 18 years, he has graduated 10 Masters students and 2 Doctorate students. Dr. Moreno has 39 publications in journals indexed in PUB MED/Scopus; 58 in Google Scholar and has developed 6 patents at an international level. He is a member of the National Investigator System Level 2 and part of the editorial counsel of various research journals with a high impact index.

<https://scholar.google.com/citations?user=nP-yIpkAAAAJ&hl=en>

His lines of research are as follows:

- a) Isolation, characterization, scaling and differentiation of stem cells from different sources.
- b) Transitional Medicine with the use of stem cells for neurodegenerative disease focus primarily on alterations from Motor neuron (ELA) and Dopaminergic Neurons (Parkinson).
- c) Isolation, characterization, scaling and differentiation of stem cells from adipose tissue into insulin producing cells and the application of preclinical models.

- d) Use of natural components for anti-aging purposes and to treat obesity.
- e) Hepatic Fibrosis. Pathophysiology and acquirement of early markers for its diagnosis.
- f) The role of gene expression in circadian rhythms in the Pathophysiology of Breast Cancer.

Most recent publications:

1. Martínez HR, Escamilla-Ocañas CE, Camara-Lemarroy CR, González-Garza MT, **Moreno-Cuevas J**, García Sarreón MA. Increased cerebrospinal fluid levels of cytokines monocyte chemoattractant protein-1 (MCP-1) and macrophage inflammatory protein-1 β (MIP-1 β) in patients with amyotrophic lateral sclerosis. *Neurologia*. 2017 Oct 10. pii: S0213-4853(17)30280-3.
2. Chacolla-Huaringa R, **Moreno-Cuevas J**, Trevino V, Scott SP. Entrainment of Breast Cell Lines Results in Rhythmic Fluctuations of MicroRNAs. *Int J Mol Sci*. 2017 Jul 12;18(7). pii: E1499.
3. Martinez-Gamboa M, Cruz-Vega DE, **Moreno-Cuevas J**, Gonzalez-Garza MT. Induction of Nestin Early Expression as a Hallmark for Mesenchymal Stem Cells Expression of PDX-1 as a Pre-disposing Factor for Their Conversion into Insulin Producing Cells. *Int J Stem Cells*. 2017 May 30;10(1):76-82.
4. Duval F, Cruz-Vega DE, González-Gamboa I, González-Garza MT, Ponz F, Sánchez F, Alarcón-Galván G, **Moreno-Cuevas JE**. Detection of Autoantibodies to Vascular Endothelial Growth Factor Receptor-3 in Bile Duct Ligated Rats and Correlations with a Panel of Traditional Markers of Liver Diseases. *Dis Markers*. 2016;2016:6597970.
5. Martínez HR, Escamilla-Ocañas CE, González-Garza MT, **Moreno Cuevas JE**. Clinical and magnetic resonance imaging abnormalities of the tongue in patients with amyotrophic lateral sclerosis. *Neurologia*. 2016 Apr 25. pii:S0213-4853(16)30004-4.

Webpage: https://www.researchgate.net/profile/Jorge_Moreno-