

CURRICULUM VITAE

Jorge E. Moreno-Cuevas, M.D., PhD

Assistant Professor

ITESM Escuela de Salud y Biotecnología

Educational Background

Professional Study

Graduated Medical Doctor, October 1986

Escuela de Medicina Ignacio A. Santos

Monterrey, N.L. Mexico

Postdoctoral Studies

Completed August 1989

Reproductive Biology

Baylor College of Medicine

Houston, TX, USA

Master of Science

Completed December 1993

Reproductive Biology

Graduate School of Biomedical Sciences

MD Anderson Cancer Center

University of Texas

PhD

Completed May 1999

Biochemistry

Graduate School of Biomedical Sciences

MD Anderson Cancer Center

University of Texas

Relevant Scientific Publications

Moreno Cuevas JE, Goldzieher JW and Gibbons WE. Temporal relation of ovulation to salivary and vaginal electrical resistance patterns. Implications for natural family planning.

Contraception. Vol 38 # 4, pag 407. October 1988

Moreno Cuevas JE and Khan-Dawood FS. Epidermal growth factor receptors in rat ovarian tissue. Tissue and Cell. Vol 29(1), pag 55. May 1997.

Moreno Cuevas JE, Khan-Dawood FS and Goldzieher JW. Natural Family Planning, Suitability of the CUE Method for defining the time of ovulation. Contraception. Vol 55 # 4, pag233-237. July 1997.

Jorge E. Moreno-Cuevas and Sirbasku DA. Estrogen Mitogenic Action I. Demonstration of the estrogen dependent MTW9/PL2 carcinogen induced rat mammary tumor cell growth in serum supplemented culture and technical implications. In Vitro. Cell. Dev. Biog. Vol 38 (4) Pag 627. September 2000.

Sirbasku DA and **Jorge E. Moreno Cuevas**. **Estrogen Mitogenic Action II. Negative regulation of the steroid hormone responsive growth of cell lines derived from human and rodent target tissue tumors and conceptual implications.** In Vitro. Cell. Dev Biog. Vol 38 (4) Pag 638. September 2000.

Jorge E. Moreno Cuevas and Sirbasku DA. **Estrogen Mitogenic Action III. Is Phenol Red a Red Herring?** In Vitro. Cell. Dev Biog. Vol 38 (4) Pag 649. September 2000.

Rebeca Palacios Corona; Vianney Ortiz-Navarrete; Jorge Castro-Garza; Salvador Said-Fernández; Nancy Guzman-Delgado; **Jorge Moreno-Cuevas** and Ma Teresa González-Garza. **A macrophage-activation inhibitor factor produced by L5178Y murine lymphoma (MAIF) allows *Lysteria Monocytogenes* to form hepatic abscesses in BALB/c mice.** Archives of Medical Research. Vol 37 Pag 474-478. March 2006

Gustavo E Guajardo Salinas, Juan Carvajal, Angel A Gaytán Ramos, Luis Arroyo, Alberto G Lopez-Reyes, José F Islas, Beiman G Cano, Netzahualcoyotl Arroyo-Currás, Alfredo Dávalos, Gloria Madrid and **Jorge E Moreno Cuevas**. **Effects of bone marrow cell transplant on thyroid function in an I131-induced low T4 and elevated TSH rat model.** Journal of Neg Rest Biomed. Vol 6:1 Pag 1-8. January 2007.

M.Teresa González Garza, Margarita Codinach, Citlali Alcaraz, **Jorge E Moreno-Cuevas**, Pilar Carranza-Rosales, Delia E Cruz-Vega. **Efectos of *Azadirachta indica* leaf methanol extracts on stem cell reproduction.** Fitoterapia. Vol 78, Pag 235-237. February 2007.

Alberto López-Reyes. Netzahualcoyotl Arroyo-Currás, Beiman G Cano, Victor J Lara-Díaz, Gustavo Guajardo Salinas, José Islas, Vicente Morales-Oyarvide, Luis Morales-Garza, Francisco Galvez-Gastelum and **Jorge E Moreno Cuevas**, **Black bean extract ameliorates liver fibrosis in rats with CCL4-induced injury.** Annals of Hepatology. April-June 2008. 7(2) 130-135.

Jorge E. Moreno Cuevas and Sirbasku DA. **Reevaluation of the mechanisms of Estrogen and androgen regulation of target tumor cell growth. Implications with regard to steroid hormone autonomy.** In Vitro Cellular and Developmental Biology. May 2008 9 (3) 94-99

Lara-Díaz VJ, Gaytán-Ramos AA, Dávalos-Balderas AJ, Santos-Guzmán J, Mata-Cárdenas BD, Vargas-Villarreal J, Barbosa-Quintana A, Sansón M, López-Reyes AG, **Moreno-Cuevas JE**. **Micorbiological and toxicological effects of Perla black bean (*Phaseolus vulgaris* L) extracts:in vitro and in vivo studies.** Basica Clin Pharmacol Toxicol 2009 Feb;104(2):81-86

Martínez HR, González-Garza MT, **Moreno-Cuevas JE**, Caro E, Gutiérrez-Jiménez E, Segura JJ. **Stem-cell transplantation into frontal motor cortex in amyotrophic lateral sclerosis patients.** Cytotherapy. 2009; Feb, 11(1):26-34.

Rosa Ma López Franco, **Jorge E Moreno Cuevas** and MT González-Garza. **Percoll gradient optimization for blood CD133 stem cell recovery. Accepted in Stem Cell and Cloning.** November 2009.

Jorge E Moreno Cuevas, Rosamaría López-Franco y Teresa Gonzalez Garza y Barrón. **Terapia celular la medicina del futuro.** Transferencia. Vol 1; Pag 20-21. July 2003

Jorge E Moreno Cuevas, Consuelo Cantú, Teresa González-Garza y Barrón y Citlali Alcaraz. **Diferenciación y caracterización de células progenitoras de médula ósea de rata a cardiomiocitos.** Transferencia. Vol 1: Pag 20-21. January 2005.

Jorge E Moreno Cuevas y Héctor R Martínez. **Terapia Celular en Enfermedades Neurodegenerativas.** Ciencia Conocimiento y Tecnología. Vol 6: Pag 29-32. Enero 2008.

Martínez Hector R, Caro-Osorio Enrique, Gutiérrez-Jiménez Eugenio, **Moreno-Cuevas JE, González-Garza María Teresa. Amiotrofia monomiélica.** Revista Mexicana de Neurociencia. Marzo 2008, 9(1):70-73

Articles in Publication Process

Jorge E. Moreno Cuevas and Sirbasku DA. Purification and identification of sex steroid binding immunoglobulins in rat serum. Role in estrogen responsive rat mammary tumor cell growth in culture. Submitted to Endocrinology May 2009.

Murugappan G, Carrillo-Cocom LM, Johnson KE,, Zavala-Arcos J, González-Garza MT, **Moreno-Cuevas JE** and MM Alvarez. **Human Hematopoietic progenitor cell grow faster under rotational laminar flows.** Submitted to Journal of Bioprocesses. January 2009

Registered Patents

Janeth Gutiérrez, Sergio Saldívar, **Jorge E Moreno**, Carmen S Brenes and Elsa Guajardo. **“Cancer cell growth inhibition by black bean (*Phaseolus vulgaris* L) extracts”.**
US 2006/0024394 A1

Patents in Process

Jorge E Moreno-Cuevas and MT González-Garza. “Percoll gradient optimisation for blood CD133 stem cell recovery”. Instituto Mexicano de la Propiedad Industrial. Dirección Divisional de Patentes. Número de Registro 9612712 de Diciembre del 2008.

Mario Moisés Alvarez, Leydi Maribel Carrillo-Cocom, Gayathree Murugappan, **Jorge E Moreno Cuevas**, Ma Teresa González-Garza y Judith Zavala Arcos. **“Método para acelerar el crecimiento de células dependientes de anclaje en condiciones de cultivo no estacionario”**, Instituto Mexicano de la Propiedad Industrial. Dirección Divisional de Patentes. Número de Registro 795360 19 de Diciembre del 2008.

Alberto Gabriel López- Reyes, Victor Javier Lara Díaz, Netzahualcoyotl Arroyo-Currás y **Jorge E Moreno Cuevas.** **“Uso del extracto de frijol negro (*Phaseolus vulgaris*) en el tratamiento de fibrosis de hígado**, Instituto Mexicano de la Propiedad Industrial. Dirección Divisional de Patentes. Número de Registro 870746 11 de Febrero del 2009.

Víctor Javier Lara Díaz, Alberto Gabriel López Reyes y **Jorge E Moreno Cuevas.** **“Uso del extracto del frijol negro (*Phaseolus vulgaris*) para el tratamiento de enfermedades microbianas y parasitarias. Mandada al Instituto**

Posters and Oral Presentations

MC Doody, **Moreno-Cuevas JE** and PK Besch. **Binding of Sex Steroids to Region II Binding Site of Serum Albumin.** Presentado en el AFS Meeting, Reno Nevada, 1988.

Moreno Cuevas JE and Khan-Dawood FS. **Growth Factor Immunolocalization in ovaries from animals of different species.** Presentado en el SGI Meeting, San Antonio TX, 1992.

Moreno Cuevas JE and Khan-Dawood FS. **EGF regulates follicular selection.** Presentación oral en el SGI Meeting, Toronto Ontario, Canada, 1993.

David A Sirbasku, **Jorge E Moreno Cuevas** and Jeffery Walterscheid. **Serum factor regulation of estrogen responsive mammary tumor cell growth.** Presentado en Proceedings of the 1997 Meeting of the Department of Defense Breast Cancer Research Program. Washington DC, 1997.

David A. Sirbasku and **Jorge E Moreno Cuevas.** **Study of the mechanisms regulating estrogen promoted breast cancer cell growth.** Presentado en Proceedings of the 2000 Meeting of the Department of Defense Breast Cancer Research Program. Atlanta GA, 2000.

David A. Sirbasku, **Jorge E Moreno Cuevas**, Tameka Smith and Frances E Leland. **Secretory immunoglobulin negative regulation of estrogen responsive cell growth in serum-free defined culture.** Presented in the 93th Meeting of the American Association for Cancer Research. San Francisco Cal, 2002.

David A. Sirbasku, John E. Eby, Judy M Roscoe, **Jorge E Moreno Cuevas**, Masao Tanji and Jeffrey Walterscheid. **Purification and identification of secretory immunoglobulins as the serum-borne steroid hormone reversible inhibitors of estrogen responsive tumor cell growth in culture.** Presented en el 24th Meeting de Experimental Biology. New Orleans, LA, 2002.

David A. Sirbasku, John E. Eby and **Jorge E Moreno Cuevas.** **Isolation of an estrogen reversible serum inhibitor that regulates tumor cell growth in culture.** Presented in Proceedings of the 2002 Meeting of the Department of Defense Breast Cancer Research Program. Orlando, FL, 2002

David A Sirbasku and **Jorge E Moreno Cuevas.** **Secretory immunoglobulin negative regulation of estrogen-responsive tumor cell growth in serum-free defined media.** Presented in Proceedings of the 2002 Meeting of the Department of Defense Breast Cancer Research Program. Orlando, FL, 2002

David A Sirbasku and **Jorge E Moreno Cuevas.** **Secretory immune system control of estrogen-responsive breast and other target tissue cell growth in culture.** Presented in the 25th annual San Antonio Breast Cancer Symposium. San Antonio, TX, 2002.

Jesus Valencia Gallegos, Carlos Morales Betanzos y **Jorge E Moreno Cuevas.** **Solid phase síntesis of cytidine analogs.** Oral Presentation in the 51th Meeting de la American Chemical Society. San Diego, Cal, 2005.

Héctor R Martínez, M Teresa González Garza, **Jorge E Moreno Cuevas** y Enrique A Caro Osorio. **Autologous implants of CD 133+ stem cells in the frontal motor cortex in patients with amyothropic lateral sclerosis.** XXIV Congreso Nacional de Investigación Biomédica. Facultad de Medicina UANL, Septiembre 2007.

MT González Garza, Héctor R Martinez, **J E Moreno**, E Caro, P Venegas, H C González. L Cantú. **Autologous implants of CD 133+ stem cells in the frontal motor cortex in patients with amyothropic lateral sclerosis.** ISCT Annual Meeting, 181. Sydney Australia. August 2007.

Distinguished Students

Lizbeth del Carmen González Jara. **“Efecto de células madre diferenciadas a cardiomiocitos en la regeneración miocárdica”.** December 2006. Master in Science.

Gloria Madrid Valero. **“Efecto del Acido Retinoico en combinación con factores de crecimiento sobre la expresión de la enolasa neuronal específica en células madre”.** February 2008. Master in Science.

Cecilia Saines González. “**Comparación entre injerto antólogo de piel e injerto de dermis acelular en pacientes con Pseudosindactilia secundaria a epidermolisis bulosa distrófica**”. January 2009. Master in Biotechnology.

Professional Affiliations

- 2005-2009 Member of “Sistema Nacional de Investigadores” Nivel I.
- 1989- 1995 Member of the executive panel for reproductive toxicology, National Institute of Health (NIH). Cincinnati, OH. Attn Jim Kessner (719) 523-4571.
- 2003-2007 Director Research Endowment “Terapia Celular y Medicina Regenerativa” ITESM
- 2008-Present Director “Medico Investigador” Program ITESM (MD/PhD)