



María Teresa González Garza y Barrón PhD

Professor-Research

Research Areas:

- Isolation, characterization and differentiation of stem cells
- Stem cell application as alternative therapy

Email: mtgonzalezgarza@itesm.mx

Professor María Teresa González Garza obtained her Bachelor's Degree in Biology at the Universidad Nacional Autónoma de México (UNAM) in 1969 and the Doctorate degree in Biology with Microbiology specialty from the Universidad Autónoma de Nuevo León (UANL) in 1992.

In 1970 she incorporated at “Centro de Investigación Biomedica in the Centro Médico Nacional of Instituto Mexicano del Seguro Social in Mexico City”. In 1985, she moved to the “Centro de Investigación Biomédica del Noreste”. There, she worked as research and as head of the Cell biology division until 2001. On 2002 she incorporated to the cell therapy group of the Medical School of the Instituto Tecnológico y de Estudios superiores de Monterrey (ITESM).

She has published more than 90 scientific works (articles, and book chapters), participated in 170 national and international conferences, and has been granted 2 patents. His current research efforts are focused on the characterization and differentiation of stem cells to development new strategies for degenerative diseases therapy. She has conducted 6 bachelor's degree, 15 masters and 6 doctoral theses at UNAM, UANL and ITESM.

She was recipient of the Premio de Investigación Médica "Doctor Jorge Rosenkranz" in 1988 and the CANIFARMA award in 1993. She has belonged to the Sistema Nacional de Investigadores (SNI) since 1986.

Most recent publications:

1. Clinical and MRI tongue abnormalities in amyotrophic lateral sclerosis patients. DOI: 10.1016/j.nrl.2016.02.017. ISSN: 02134853, Martinez HR, Escamilla-Ocañas C, **González-Garza MT**, Moreno-Cuevas J., Neurologia, Vol.31, Pag.0-0, Revistas Indizadas
2. Long-term survival in amyotrophic lateral sclerosis after stem cell transplantation into the frontal motor cortex. ISSN: 1465-3249, Martínez HR, **González-Garza MT**, Moreno- Cuevas J, Escamilla Ocañas CE, Tenorio-Pedraza JM, Hernández-Torre M, Cytotherapy, Vol.18, Pag.806-808, Revistas Indizadas ,
3. Altered CSF cytokine network in Amyotrophic Lateral Sclerosis patients: A pathway-based statistical analysis., Martínez HR, Escamilla Ocañas CE, Tenorio-Pedraza JM, Gómez-Almaguer D, Jaime-Perez JC, Olguín-Ramírez LA, Sergio Salazar-Marioni S, **González-Garza MT.**, Cytotherapy, Vol.90, Pag.1-5, Revistas Indizadas ,
4. 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.. pISSN:2005-3606, eISSN: 2005-5447, Marisela Martinez-Gamboa, Delia Elba Cruz-Vega, Jorge Moreno Cuevas, **Maria Teresa GonzalezGarza**, International Journal of Stem Cells, Vol.9, Pag.0-0, Revistas Indizadas
5. 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. Disease Markers.doi: 10.1155/2016/6597970 ISSN: 0278-0240, Duval F, Cruz-Vega DE, Gónzalez-Gamboa I, **González-Garza MT**, Ponz F, Sánchez F, Alarcon-Galvan G, E Moreno-Cuevas JE., Disease Markers, Vol.2016, Pag.0-0, Revistas Indizadas

Webpage: https://www.researchgate.net/profile/Maria_Gonzalez-Garza