NAME	POSITION TITLE
González-Mejia, Martha Elba	Postdoctoral Researcher
eRA COMMONS USER NAME	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
Benemérita Universidad Autónoma de Puebla. México.	M.D.	1990-1998	Medicine
Hospital General de Zona (HGZ CMF) No. 24. México	Intern	1995-1996	Internal Medicine
Centro de Investigación Biomédica de Oriente (CIBIOR). México	Resident.	1998-1999	Research
Centro de Investigación en Ciencia Aplicada y Tecnología Avanzada del Instituto Politécnico Nacional (CICATA-IPN). México.	M.Sc.	1998-2001	Molecular Biomedicine
Centro de Investigación de Estudios Avanzados del Instituto Politécnico Nacional (CINVESTAV-IPN). México	Ph. D.	2002-2006	Genetics and Molecular Biology
Davis Heart and Lung Research Institute, Department of Internal Medicine, Division of Pulmonary and Critical Care The Ohio State University, Columbus, Ohio.	Post-doc	2006-present	Apoptosis

A. Positions and Honors

Positions

2006 – Present Postdoctoral Research. Davis Heart and Lung Research Institute (HLRI), Department of Internal Medicine, Division of Pulmonary and Critical Care (Mentor: Doseff, A.I). The Ohio State University, Columbus, OH

2005 – 2006 Researcher's Assistant. Mexican's System of National Researchers (SNI-México). Department of Genetic and Molecular Biology at CINVESTAV-IPN, México.

2000 – 2006 Independent medical assistance, Medical Group "Cabañas & Asociados S.A. de C.V." México.

1995 – 1998 Social assistance in the program: "paternity responsible and pharmacology codependency". Sistema de Desarrollo Social (SEDESOL) México.

Other Experience and Professional Memberships

2007 – Present Member of the American Association for the Advancement of Science

2002 – Present Member of the Society for Neuroscience.

2000 – 2002 Member of the Mexican Society of Tropical Medicine.

Honors

2009 **González-Mejia M.E,** Voss, O.H, Murnan E and Doseff, A.I. Regulation of apoptosis by the association of caspase-3 with Hsp27. 11th Annual Scientific Meeting of the comprehensive cancer center. The Ohio State University. (Selected 2nd place Postdoctoral Researcher category).

2008 **González-Mejia M.E,** Murnan E, and Doseff, A.I. PKCδ dependent phosphorylation of caspase-3 and its association with Hsp27 regulate life span during apoptosis. The 3rd Annual Pulmonary, Allergy, Critical Care and Sleep Research Day. The Ohio State University, Columbus, OH. (Selected 1st place Postdoctoral Researcher category)

2008 – Present	Distinction by the Mexican's System of National Researchers (SNI-México), like "National Research Level I" (SNI I).
2002 – 2006	National Science and Technology Conseil of Mexico (CONACYT-México). Doctoral Fellow.
2006	Travel Award from the Society for Neuroscience (SFN) for the 36th Annual meeting of the Society for Neuroscience. Atlanta, GA, USA.
2005	Travel Award from the Society for Neuroscience (SFN) for the 35th Annual meeting of the Society for Neuroscience. Washington, D.C., USA.
2004	Travel Award from the Society for Neuroscience (SFN) for the 34th Annual meeting or the Society for Neuroscience, San Diego, CA, USA.
2003	Travel Award from the Society for Neuroscience (SFN) for the 33rd Annual meeting of the Society for Neuroscience, New Orleans, LA, USA.
1998 – 2000	Instituto Politécnico Nacional (IPN-México). Master Fellow
1998	Benemérita Universidad Autónoma de Puebla, Faculty of Medicine, award with "Honorific Mention" for the dissertation to obtain Medical Doctor Degree.

B. Peer-reviewed publications

1. Zepeda, R.C., Barrera, I., Castelán, F., Suárez-Pozos, E., Melgarejo, Y., **González-Mejia, M.E.**, Hernández-Kelly, L.C., López-Bayghen, E., Aguilera, J., and Ortega, A. Glutamate-dependent phosphorylation of the mammalian target of rapamycin (mTOR) in Bergmann glial cells. Neurochem Int. (In Press).
2. **González-Mejia, M.E.,** and Doseff, A.I. Regulation of monocytes and macrophages cell fate. Frontiers in Bioscience. 2009. 14, 2413-2431.
3. Zepeda, R.C., Hernandez-Kelly, L.C., **González-Mejia, M.E.,** and Ortega, A. (2007) Glutamate-induced p38 MAPK activation in Bergmann glial cells. J Neurochem. 2008. 102(SI):108-109.
4. Malavez, Y., **González-Mejia, M.E.,** and Doseff, A.I. PRKCD (protein kinase C, delta). Atlas of Genetics and Cytogenetics in Oncology and Haematology, an Interactive Database URL http://AtlasGeneticsOncology.org
5. Voss, O.H., Batra, S., Kolattukudy, S.J., **González-Mejia, M.E.,** Smith. J.B., and Doseff, A.I. Binding of caspase-3 prodomain to heat shock protein 27 regulates monocyte apoptosis by inhibiting caspase-3 proteolytic activation. J Biol Chem. 2007. 282(34):25088-25099.
6. Sanchez-Guillen, M.C., Bernabe, C., Tibayrenc, M., Zavala-Castro, J., Totolhua, J.L., Mendez-Lopez, J., **González-Mejia, M.E.,** Torres-Rasgado, E., Lopez-Colombo, A., and Perez-Fuentes, R. Trypanosoma cruzi strains isolated from human, vector, and animal reservoir in the same endemic region in Mexico and typed as T. cruzi I, discrete typing unit 1 exhibit considerable biological diversity. Mem Inst Oswaldo Cruz. 2006. 101(6):585-590.
7. **González-Mejia, M.E.,** Morales, M., Hernandez-Kelly, L.C., Zepeda, R.C., Bernabe, A., and Ortega, A. Glutamate-dependent translational regulation in cultured Bergmann glia cells: Involvement of p70(S6K). Neuroscience. 2006. 141(3):1389-1398.
8. Morales, M., **González-Mejia, M.E.,** Bernabe, A., Hernandez-Kelly, L.C., and Ortega, A. Glutamate activate protein kinase B (PKB/Akt) through AMPA receptors in cultured Bergmann glia cells. Neurochem Res. 2006. 31(3):423-429.
9. Soto-Cid, A., Hernandez-Kelly, L.C., Hernandez, M.E., Manzo, J., **González-Mejia, M.E.,** Zepeda, R.C., and Ortega, A. Signal transducers and activators of transcription 1 and 3 in prostate: effect of sexual activity. Life Sci. 2006. 79(9):919-924.

Selected Recent Meeting Presentations and Invited Seminars:

2009 **González-Mejia, M.E.,** Voss, O.H., Murnan, E.J., and Doseff, A.I. Regulation of apoptosis by the association of caspase-3 with Hsp27 (Poster selected 2nd place Postdoctoral Reseacher category). 11th Annual Scientific Meeting of the Comprehensive Cancer Center. The Ohio State University. Columbus, OH., USA.

2009 Murnan, E.J., **González-Mejia, M.E.,** and Doseff, A.I. Role of Heat Shock Protein 27 in Apoptosis (Poster). 11th Annual Scientific Meeting of the Comprehensive Cancer Center. The Ohio State University. Columbus, OH., USA.

2008 Zepeda, R.C., Barrera, I., Suárez-Pozos, E., **González-Mejia, M.E.,** Castelán, F., Hernández-Kelly, L.C., Olivares-Bañuelos, T., and Ortega, A. Glutamate-depedent mTOR phosphorylation in Bergmann glial cells (Poster). 38th annual meeting of the Society for Neuroscience. Washington, DC., USA.

2008 **González-Mejia, M.E.,** Murnan, E.J., and Doseff, A.I. PKCδ dependent phosphorylation of caspase-3 and its association with Hsp27 regulate life span during apoptosis (Poster selected 1st place Postdoctoral Reseacher category). The 3rd Annual Pulmonary, Allergy, Critical Care and Sleep Research Day. The Ohio State University. Columbus, OH., USA.

2008 Voss, O.H., **González-Mejia, M.E.,** Malavez, Y., Batra, S., and Doseff, A.I. Regulation of cell fate by PKCδ-dependent phosphorylation of caspase-3 and its association with heat shock protein 27 (Oral Presentation). Scott Falkenthal Memorial Graduate Student Colloquium. The Ohio State University. Columbus, OH., USA.

2008 Voss, O.H., **González-Mejia, M.E.,** Malavez, Y., Batra, S., and Doseff, A.I. Cell fate is regulated by the interaction of Protein Kinase Cδ, Heat shock protein 27 and caspase-3 (Poster). The 7th Annual Ohio State University Medical Center and Graduate and Postgraduate Research Day. The Ohio State University. Columbus, OH., USA.

2008 **González-Mejia, M.E.,** Voss, O.H., and Doseff, A.I. PKCδ and Hsp27 regulate . monocyte/macrophage cell fate by direct interaction with caspase-3 (Poster). The 7th Annual Ohio State University Medical Center and Graduate and Postgraduate Research Day. The Ohio State University. Columbus, OH., USA.

2008 Voss, O.H., **González-Mejia, M.E.**, Malavez, Y., Batra, S., and Doseff, A.I. Regulation of cell fate by caspase-3 and Protein Kinase Cδ and heat shock protein 27 (Poster). The 10th Comprehensive Cancer Center Scientific Meeting. The Ohio State University. Columbus, OH., USA.

2008 **González-Mejia, M.E.,** Voss, O.H., and Doseff, A.I. Caspase-3-dependent apoptosis in monocyte/macrophage life span: role of heat shock protein 27 (Poster). The 10th Comprehensive Cancer Center Scientific Meeting. The Ohio State University. Columbus, OH., USA.

2007 **González-Mejia, M.E.,** Voss, O.H., and Doseff, A.I. PKCδ and Hsp27 regulate macrophage apoptosis by its interaction with caspase-3 (Oral presentation). Research in Progress. Heart and Lung Research Institute. The Ohio State University. Columbus, OH., USA.

2007 **González-Mejia, M.E.,** Voss, O.H., and Doseff, A.I. PKCδ and Hsp27 regulate macrophage apoptosis by its interaction with caspase-3 (Selected for oral presentation). Molecular Biology and Cancer Genetics Bi-Annual retreat. National Cancer Institute, Comprehensive Cancer Center and The Ohio State University, Medical Center. Cincinnati, OH., USA.

2007 Voss, O.H., Malavez, Y., **González-Mejia, M.E.,** Batra, S., Sharma, A., and Doseff, A.I. PKCδ-dependent phosporylation of caspase-3 and its association with Hsp27 regulate monocytes life span (Selected for oral presentation). Cell death meeting, Cold Spring Harbor, NY., USA.

2007 **González-Mejia, M.E.,** Voss, O.H., and Doseff, A.I. Subcellular localization of caspase-3, PKCδ and its association with Hsp27 regulate monocyte life span (Poster). 2nd Annual Research Day. Division of Pulmonary, Allergy, Critical Care & Sleep Medicine. The Ohio State University. Columbus, OH., USA.

2007 Zepeda, R.C., Hernandez-Kelly, L.C., **González-Mejia, M.E.,** Castelán, F., and Ortega, A. "Glutamate signal transduction activation in Bergmann glia: Involvement of p38 MAPK". ISN/ASN Pre-Meeting Satellite I. Glutamate receptors and transporters as scaffolding proteins in cell signaling (Poster). Cancún Quintana Roo., México.

2007 Murnan, E.J., **González-Mejia, M.E**., and Doseff, A.I. ,Regulation of Apoptosis by Caspase-3 and its Associating Proteins. Biological Sciences (Poster). Undergraduate Research Colloquium, The Ohio State University. Columbus, OH., USA.

2007 Murnan, E.J., **González-Mejia, M.E**., and Doseff, A.I. Regulation of Apoptosis by Caspase-3 and its Associating Proteins (Poster). Denman Undergraduate Research Forum, The Ohio State University. Columbus, OH., USA.

2006 **González-Mejia, M.E.**, Hernández-Kelly, L.C., Zepeda, R., and Ortega, A. Glutamate induced phosphorylation of eIF2α in Bergmann glia cell (Poster). 36th Annual meeting, Society for Neuroscience. Atlanta, GA., USA.

2005 **González-Mejia, M.E.**, Hernández-Kelly, L.C., Zepeda, R., and Ortega, A. Participation of metabotropic glutamate receptors in glutamate induced the ribosomal proteins S6 phosphorylation in Bergmann glia cell (Poster). 35th Annual meeting, Society for Neuroscience. Washington, D.C., USA.

2004 **González-Mejia, M.E.**, Hernández-Kelly, L.C., Aguirre, G., Cid, L.A., and Ortega, A. Glutamate induced phosphorylation of p70RS6k in Bergmann glia cells (Poster). 34th Annual meeting, Society for Neuroscience. San Diego, CA., USA.

2003 **González-Mejia, M.E.**, and Ortega, A. Regulation of kainate binding protein levels: role of glutamate receptors (Poster). 33rd Annual meeting, Society for Neuroscience. New Orleans, LA., USA.