

CURRICULUM VITAE

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Heart and Lung Research Institute
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Education and Training

- 1990-1998 M.D, Benemérita Universidad Autónoma de Puebla. México.
1998-1999 Resident of Clinical Research, Centro de Investigación Biomédica de Oriente (CIBIOR). México
1998-2001 M.Sc. Program of Molecular Biomedicina. Centro de Investigación en Ciencia Aplicada y Tecnología Avanzada del Instituto Politécnico Nacional (CICATA-IPN). México.
2002-2006 Ph.D. Program of Genetics and Molecular Biology. Centro de Investigación de Estudios Avanzados del Instituto Politécnico Nacional (CINVESTAV-IPN). México
2006-present Post Doctoral Research. Davis Heart and Lung Research Institute, Department of Internal Medicine, Division of Pulmonary and Critical Care The Ohio State University, Columbus, Ohio.

Honors

- 1998 Honorific Mention, for the dissertation to award the Benemérita Universidad Autónoma de Puebla, Faculty of Medicine, for obtain degree in Medical Doctor.
1998-2000 Master Fellowship from Instituto Politécnico Nacional, México.
2002-2006 Doctoral Fellowship from CONACYT- México.

Professional Experience

- 1995-1998 Social assistance in the program: “paternity responsible and farm codependency”. SEDESOL. México
2000 – 2006 Particular Medical Assistance, Medical Group “Cabañas & Asociados S.A. de C.V.” México.
2005 – 2006 Researcher’s Assistant. National Research System (SNI- México). Laboratory 23 Department of Genetic and Molecular Biology. CINVESTAV-IPN, México.
2006 - Present Post-Doctoral Research. Davis Heart and Lung Research Institute, Department of Internal Medicine, Division of Pulmonary and Critical Care. The Ohio State University, Columbus, OH

Professional Memberships

2007 – Present Member of the 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.

Selected peer-reviewed publications

1. Voss OH, Batra S, Kolattukudy SJ, **Gonzalez-Mejia ME**, Smith JB, Doseff AI. 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):25088-99.
2. Sanchez-Guillen Mdel C, Bernabe C, Tibayrenc M, Zavala-Castro J, Totolhua JL, Mendez-Lopez J, **Gonzalez-Mejia ME**, Torres-Rasgado E, Lopez-Colombo A, 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):585-90.
3. **Gonzalez-Mejia ME**, Morales M, Hernandez-Kelly LC, Zepeda RC, Bernabe A, and Ortega A. Glutamate-dependent translational regulation in cultured Bergmann glia cells: Involvement of p70(S6K). *Neuroscience.* 2006;141(3):1389-98.
4. Morales M, **Gonzalez-Mejia ME**, Bernabe A, Hernandez-Kelly LC, and Ortega A. Glutamate activate protein kinase B (PKB/Akt) through AMPA receptors in cultured Bergmann glia cells. *Neurochem Res.* 2006; 31(3):423-9.
5. Soto-Cid A, Hernandez-Kelly LC, Hernandez ME, Manzo J, **Gonzalez-Mejia ME**, Zepeda RC, and Ortega A. Signal transducers and activators of transcription 1 and 3 in prostate: effect of sexual activity. *Life Sci.* 2006; 79(9):919-24.

Selected Meeting Presentations and Invited Seminars:

- 2007 **González-Mejia M.E.**, Voss O.H., and Doseff A.I. PKC δ 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. PKC δ 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. PKC δ -dependent phosphorylation 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.**, O.H. Voss and A.I. Doseff. Subcellular localization of caspase-3, PKC δ and its association with Hsp27 regulate monocyte life span. 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.R., **Gonzalez-Mejia M.E.** F. Castelán and A. Ortega. "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. Cancún Quintana Roo, México.
- 2007 Murman E., **González-Mejia M.E.**, and Doseff A.I. Regulation of Apoptosis by Caspase-3 and its Associating Proteins. Biological Sciences Undergraduate Research Colloquium, Columbus, OH, USA.
- 2007 Murman E., **González-Mejia M.E.**, and Doseff A.I. Regulation of Apoptosis by Caspase-3 and its Associating Proteins. Denman Undergraduate Research Forum, Columbus, OH, USA.
- 2006 **González-Mejia M.E.**, Hernández-Kelly L.C.R., Zepeda R., and A. Ortega. Glutamate induced phosphorylation of eIF2 α in Bergmann glia cell (abstract on line www.sfn.org). 36th Annual meeting, Society For Neuroscience. Atlanta, GA, USA.
- 2005 **González-Mejia M.E.**, Hernández-Kelly L.C.R., Zepeda R., and A. Ortega. Participation of metabotropic glutamate receptors in glutamate induced the ribosomal proteins s6 phosphorylation in Bergmann glia cell (abstract on line www.sfn.org). 35th Annual meeting, Society For Neuroscience. Washington, D.C., USA.
- 2004 **González-Mejia M.E.**, Hernández-Kelly L.C.R., Aguirre G., Cid L.A., and Ortega A. Glutamate induced phosphorylation of p70RS6k in Bergmann glia cells (abstract on line www.sfn.org). 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 (abstract on line www.sfn.org). 33rd Annual meeting, Society For Neuroscience, New Orleans, LA, USA.