

NAME:

Luis Enrique Arias Romero

EDUCATION:

- Bachelor in Biology from Universidad Nacional Autónoma de México (UNAM) 2001.
- Master in Sciences from Centro de Investigación y de Estudios Avanzados del IPN (CINVESTAV-IPN) 2003.
- Ph. D. from Centro de Investigación y de Estudios Avanzados del IPN (CINVESTAV-IPN) 2006.

AWARDS:

2007-present : INVESTIGADOR NACIONAL NIVEL I: Consejo Nacional de Ciencia y Tecnología (Mexico).

2003-2006: Doctoral fellowship from CONACyT-Mexico (Exp. No. 166219).

2001-2003: Master's fellowship from CONACyT-Mexico (Exp. No. 166219).

MEETINGS AND CONFERENCES:

1. 48th Annual meeting of the American Society for Cell Biology. December 2008
2. Regulation and Function of Small GTPases. July 2007.
3. The Keystone Symposia. G-Protein Coupled Receptors: Evolving Concepts and New Techniques. February, 2006
4. XV Seminar on Amebiasis. January, 2006
5. 45th annual meeting of the American Society for Cell Biology. December, 2005
6. XXV Congreso de la Sociedad Mexicana de Bioquímica. November, 2004
7. XIII Congreso Nacional de Bioenergética y Biomembranas. November, 2003
8. EMBO Workshop " Pathogenesis of amoebiasis: from genomics to disease" May, 2003.
9. XXIV Congreso de la Sociedad Mexicana de Bioquímica. November, 2002
10. XV Congreso de la Sociedad Mexicana de Parasitología. September, 2002

PUBLICATIONS:

1. Lightcap CM*, Kari G*, **Arias-Romero LE***, Chernoff J, Rodeck U, Williams JC. Nuclear import of Pak1 - A dynein-independent essential role for LC8 in vertebrate development. Submitted to *PLoS ONE*, February 2009.

* **Co-first authors**

2. **Arias-Romero LE**, Saha S, Villamar-Cruz O, Yip SC, Ethier SP, Zhang ZY, Chernoff J. 2009. Activation of Src by Protein Tyrosine Phosphatase 1B Is Required for ErbB2 Transformation of Human Breast Epithelial Cells. *Cancer Res* first published on May 12, 2009 as doi:10.1158/0008-5472
3. **Arias-Romero LE**, Chernoff J. 2008. A tale of two Paks. *Biol Cell*.100(2):97-108.
4. Díaz-Valencia JD, Almaraz-Barrera MJ, Jay D, Hernández-Cuevas NA, García E, González-De la Rosa CH, **Arias-Romero LE**, Hernandez-Rivas R, Rojo-Domínguez A, Guillén N, Vargas M. 2007. Novel structural and functional findings of the ehFLN protein from *Entamoeba histolytica*. *Cell Motil Cytoskeleton*. 64(11):880-96.
5. **Arias-Romero LE**, Almaraz-Barrera M de J, Gonzalez de la Rosa CH, Sosa-Peinado A, Hernandez-Rivas R, Vargas M. 2007. EhGEF3, a novel Dbl family member, regulates EhRacA activation during chemotaxis and capping in *Entamoeba histolytica*. *Cell Motil Cytoskeleton*. 64(5):390-404.
6. González De la Rosa CH, **Arias-Romero LE**, de Jesús Almaraz-Barrera M, Hernandez-Rivas R, Sosa-Peinado A, Rojo-Domínguez A, Robles-Flores M, Vargas M. 2007. EhGEF2, a Dbl-RhoGEF from *Entamoeba histolytica* has atypical biochemical properties and participates in essential cellular processes. *Mol Biochem Parasitol*. 151(1):70-80.
7. **Arias-Romero LE**, Almaraz-Barrera M de J, Diaz-Valencia JD, Rojo-Dominguez A, Hernandez-Rivas R, Vargas M. 2006. EhPAK2, a novel p21-activated kinase, is required for collagen invasion and capping in *Entamoeba histolytica*. *Mol Biochem Parasitol*. 149(1):17-26.
8. Diaz-Valencia JD, Almaraz-Barrera M de J, **Arias-Romero LE**, Hernandez-Rivas R, Rojo-Dominguez A, Guillen N, Vargas M. 2005. The ABP-120 C-end region from *Entamoeba histolytica* interacts with sulfatide, a new lipid target. *Biochem Biophys Res Commun*. 338(3):1527-1536.
9. Chavez-Rios R, **Arias-Romero LE**, Almaraz-Barrera M de J, Hernandez-Rivas R, Guillen N, Vargas M. 2003. L10 ribosomal protein from *Entamoeba histolytica* share structural and functional homologies with QM/Jif-1: proteins with extraribosomal functions. *Mol Biochem Parasitol*. 127(2):151-160.