

## Curriculum Vitae:

Name: Elena Mateos

Date and place of birth: 1981, Madrid, Spain

Present position:

- 2004- present. Laboratory technician in the AIDS Immunopathology Unit, Molecular Pathology Service, National Centre of Microbiology, Instituto de Salud Carlos III, Madrid, Spain.

Tertiary Education

- Laboratory Technician superior clinical diagnosis, Hospital Puerta de Hierro, Madrid, Spain 2001-2003
- Course Diagnóstico strategies in the clinical analysis laboratory (40 hours), 2002
- Course Clinical microbiology (200 hours), 2003-2004
- Scholarship Finnova in the AIDS Immunopathology Unit, National Centre of Microbiology, Instituto de Salud Carlos III, Madrid, Spain, 2004-2005
- Course Introduction to quantitative real-time PCR (16 hours), 2006
- Course Proteomics (16 hours), 2010
- Course Analytical Flow Cytometry and Data Analysis (15 hours), 2010

Positions and employment

- 2004-2005: Scholarship Finnova in the AIDS Immunopathology Unit, National Centre of Microbiology, Instituto de Salud Carlos III, Madrid, Spain.
- 2005-present: Laboratory technician in the AIDS Immunopathology Unit, National Centre of Microbiology, Instituto de Salud Carlos III, Madrid, Spain.

Areas of research interest:

- Discovery of new potential strategies to reduce the size of the reservoir during HIV-1 infection: analysis of PKC theta, PKC delta and Lck as potential targets to reduce HIV-1 replication in T lymphocytes during acute infection.

Publications.

- Coiras M., Montes M., Montanuy I., López-Huertas M.R., Mateos E., Le Sommer C., García-Blanco M.A., Hernández-Munain C., Alcamí J., Suñé C. Transcription elongation regulator 1 (TCERG1) regulates efficient RNA polymerase II-mediated elongation of HIV-1 transcription and is required for viral replication. Submitted to *Retrovirology* (16-09-2013).
- López-Huertas MR, Mateos E, Sánchez Del Cojo M, Gómez-Esquer F, Díaz-Gil G, Rodríguez-Mora S, López JA, Calvo E, López-Campos G, Alcamí J, Coiras M. The presence of HIV-1 Tat protein second exon delays fas protein-mediated apoptosis in CD4+ T lymphocytes: a potential mechanism for persistent viral production. *J Biol Chem*. 2013 Mar 15;288(11):7626-44.
- Sánchez-Del Cojo M, López-Huertas MR, Mateos E, Alcamí J, Coiras M. Mechanisms of RNA interference in the HIV-1-host cell interplay. *AIDS Rev*. 2011 Jul-Sep;13(3):149-60.
- López-Huertas MR, Mateos E, Díaz-Gil G, Gómez-Esquer F, Sánchez del Cojo M, Alcamí J, Coiras M. Protein kinase Ctheta is a specific target for inhibition of the HIV type 1 replication in CD4+ T lymphocytes. *J Biol Chem*. 2011 Aug 5;286(31):27363-77.
- Coiras M, López-Huertas MR, Sánchez del Cojo M, Mateos E, Alcamí J. Dual role of host cell factors in HIV-1 replication: restriction and enhancement of the viral cycle. *AIDS Rev*. 2010 Apr-Jun;12(2):103-12. Review. PubMed PMID: 20571604.
- López-Huertas MR, Callejas S, Abia D, Mateos E, Dopazo A, Alcamí J, Coiras M. Modifications in host cell cytoskeleton structure and function mediated by intracellular HIV-1 Tat protein are greatly dependent on the second coding exon. *Nucleic Acids Res*. 2010 Jun;38(10):3287-307. Epub 2010 Feb 5. PubMed PMID: 20139419; PubMed Central PMCID: PMC2879518
- González N, Pérez-Olmeda M, **Mateos E**, Cascajero A, Alvarez A, Spijkers S, García-Pérez J, Sánchez-Palomino S, Ruiz-Mateos E, Leal M, Alcamí J. A sensitive phenotypic assay for the determination of human immunodeficiency virus type 1 tropism. *J Antimicrob Chemother*. 2010 Oct 14.
- M. Perez-Olmeda, J. Garcia-Perez, **E. Mateos**, S. Spijkers, M.C. Ayerbe, A. Carcas, J. Alcamí. In Vitro Analysis of Synergism and Antagonism of Different Nucleoside. Nucleotide Analogues Combinations on the Inhibition of Human Immunodeficiency Virus type 1 (HIV-1) replication. *Journal of Medical Virology* 81:211-216 (2009). PMID: 19107982.

- Coiras M, López-Huertas MR, Mateos E, Alcamí J. Caspase-3-mediated cleavage of p65/RelA results in a carboxy-terminal fragment that inhibits IkappaBalpha and enhances HIV-1 replication in human T lymphocytes. *Retrovirology*. 2008 Dec 1;5:109.
- J Alcamí, M Bermejo, J García, N Gonzalez, M Coiras, **E Mateos**, E Calonge, M López-Huertas, M Pérez Olmeda, LM Bedoya y O Palao. “Guía Práctica del SIDA. Clínica, diagnóstico y tratamiento”, Gatell JM, Clotet V, Potzmczer D, Miró JM y Mallolas J. 9a Edición. Masson. Barcelona 2006. Capítulo: Inmunopatología del SIDA.