

## **Curriculum Vitae**

**Name:** Almudena Cascajero

**Date and place of birth:** 1980, Madrid. Spain

### **Present position**

- 2007- 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, I.E.S. Renacimiento, Madrid, Spain 2003-2005.
- Chemistry studies in Complutense University, Madrid 1998-2001 (1<sup>o</sup> and 2<sup>o</sup> years).
- Course and Travel Tropical Diseases Microbiology and Parasitology, Hospital Carlos III (30 hours), 2005.
- Biological Safety Course in the Clinical Laboratory, Hospital Central de la Defensa "Gomez Ulla" (64 hours), 2005.
- Course for Clinical Molecular Biology, Infectious Diseases, Hospital Carlos III. (20 hours), 2006.
- Course of Analytical Techniques, Principles and Applications, College of Health Sciences (University of Granada) (40 hours), 2006.
- Basic Course for Operators Flow Cytometry (Clinical Applications of Flow Cytometry), Center for Cytometry and Cytomics (Faculty of Medicine, Valencia) (30 hours), 2007.
- First Conference on Training for Laboratory Technicians, Hospital General Universitario Gregorio Marañón (10 hours), 2008.
- Course of Analytical Flow Cytometry and Data Analysis, Instituto de Salud Carlos III (15 hours), 2010.
- Course of Proteomics, Instituto de Salud Carlos III (16 hours), 2010.
- Course of Procedures for Animal Research of Category B (According to RD 1201/2005), Instituto de Salud Carlos III (40 hours), 2013.
- Course of Fluorescence microscopy and confocal, Instituto de Salud Carlos III (20 hours), 2014.
- Course of operation level 3 laboratory and management pathogens of class 3, Instituto de Salud Carlos III (15 hours), 2015.

### **Positions and employment**

- 2005-2007: Laboratory technician in the Department of Molecular Biology. Infectious Diseases Service. Hospital Carlos III, Madrid, Spain.
- 2007-present: Laboratory technician in the AIDS Immunopathology Unit, National Centre of Microbiology, Instituto de Salud Carlos III, Madrid, Spain.

### **Teaching activity**

- Laboratory Practice Professor of Immunology and Virology. School of Biomedical Sciences at the Universidad Europea de Madrid (UEM).

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### **Areas of research interest**

- HIV-1 pathogenesis. Viral entry.
  - Evolution of the envelope protein of HIV and interaction with CCR5 and CXCR4 receptors.
  - Development of new systems for the screening of antiretroviral compounds and drug resistance testing.
  - Evolution of viral envelope of HIV in treatment patients with coreceptor antagonistic and acute infection patients.
  - Application of pyrosequencing technology in HIV.
  - Resistance mechanics CCR5 antagonists.
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## Publications

- M Nuñez, V Soriano, M López, C Ballesteros, **A Cascajero**, J González-Lahoz and JM Benito. Co-infection with Hepatitis C Virus Increases Lymphocyte Apoptosis in HIV-Infected Patients. 2006. **Clinical Infectious Diseases** (2006 Nov 1;43(9):1209-12. Epub 2006 Sep 27). **PMID: 17029144.**
- Laura Capa, Vincent Soriano, Javier García-Samaniego\*, Marina Nuñez, Miriam Romero\*, Carmen de Mendoza, **Almudena Cascajero**, Fernando Muñoz\*, Juan González-Lahoz and José M Benito. Influence of HCV genotype and co-infection with human immunodeficiency virus on CD4+ and CD8+ T-cell responses to hepatitis C virus. **J Med Virology**. (2007 Mar 26;79(5):503-510) **PMID: 17385690.**
- Laura Capa, Vincent Soriano, Javier García-Samaniego\*, Marina Nuñez, Miriam Romero\*, Carmen de Mendoza, **Almudena Cascajero**, Fernando Muñoz\*, Juan González-Lahoz and José M Benito. Evolution of T Cell Responses to Hepatitis C Virus (HCV) During Pegylated Interferon plus Ribavirin Treatment in HCV-Monoinfected and in HCV/HIV-Coinfected Patients. 2007. **Antiviral Therapy** (2007;12(4):459-68). **PMID: 17668554.**
- López M, Soriano V, Rallón N, **Cascajero A**, González-Lahoz J, Benito JM. Suppression of viral replication with highly active antiretroviral therapy has no impact on the functional profile of HIV-specific CD8(+) T cells. **European journal of immunology** (2008 Jun;38(6):1548-58). **PMID: 18421792.**
- López M, Soriano V, Lozano S, Ballesteros C, **Cascajero A**, Rodés B, De La Vega E, González-Lahoz J, Benito JM. No major differences in the functional profile of HIV Gag and Nef-specific CD8+ responses between long-term nonprogressors and typical progressors. **AIDS Res Hum Retroviruses**. (2008 Sep;24(9):1185-95). **PMID: 18729773.**
- González N, Pérez-Olmeda M, Mateos E, **Cascajero A**, Álvarez A, Spijkers S, García-Pérez J, Sánchez-Palomino S, Ruiz-Mateos E, Leal M, Alcamí J. A sensitive photypic assay for the determination of human immunodeficiency virus type 1 tropism. **J Antimicrob Chemother** (2010 Dec;65(12):2493-501). **PMID: 20947622.**