

Laura Capa Muñoz

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EDUCATION AND TRAINING

- 2011 **Máster "Update in HIV infection"**, 1.250 hours (60 European credits).
Universidad Rey Juan Carlos de Madrid.
- 2007 **PhD** from the Universidad Complutense de Madrid, Microbiology Department I
(Immunology Programme).
- 2005 **Máster "AIDS"**, 500 hours (50 credits). Universidad Complutense de Madrid.
- 1990 **Bachelor of Biological Sciences**, majoring in Biochemistry and Molecular
Biology, from the Universidad Autónoma de Madrid.

WORK EXPERIENCE

- 2013 - **Scientific manager**, AIDS Immunopathogenesis Unit, National Centre of
Microbiology, **Instituto de Salud Carlos III**, Madrid.
- 2011 - **Professor and tutor** in the 3rd, 4th and 5th edition of the Master online "HIV
infection" **Universidad Rey Juan Carlos de Madrid**.
- 2008 - 2011 Researcher in National Plan against AIDS Secretariat, **Spanish Ministry of
Health**.
- 2010-2011: Clinical and Research Area
 - 2008-2009: International Area
- 2003 - 2007: **PhD** "Study of the Hepatitis C virus (HCV) specific cellular immune response in
patients with chronic hepatitis C. Influence of treatment with pegylated interferon
and ribavirin". Infectious Diseases Department and Hepatology Department,
Hospital Carlos III, Madrid.
- 1993 - 2002: **Researcher** in the Biology Department, Antiinfectious Therapeutic Area, **R+D,
GSK**, Madrid:
- 2001-2002: Screening Group:
Development of high throughput screening assays.
 - 1993-2000: Molecular Biology Group:
Development of genetically modified bacterial strains to discover new
antibiotics.
Elucidation of the mechanism of action of new drugs with antifungal activity.
- 1991 - 1993: **Research intern** in the project of discovery of new antivirals, Microbiology
Department, **Centro de Biología Molecular Severo Ochoa**, Madrid.
- 1991: **Volunteer assistant** in studies related to the inflammation associated to multiple
sclerosis models. Neuroimmunology Department, **Instituto Cajal**, Madrid.

PUBLICATIONS

Capa L, Soriano V, García-Samaniego J, Núñez M, Romero M, De Mendoza C, et al. 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. *Antivir Ther.* 2007;12(4):459-68.

Capa L, Soriano V, García-Samaniego J, Núñez M, Romero M, Cascajero A, et al. Influence of HCV genotype and co-infection with human immunodeficiency virus on CD4+ and CD8+ T cell responses to hepatitis C virus. *J Med Virol.* 2007 May;79(5):503-10.

Benito JM, López M, Ballesteros C, Lozano S, **Capa L**, Barreiro P, et al. Immunological and virological effects of structured treatment interruptions following exposure to hydroxyurea plus didanosine. *AIDS Res Hum Retroviruses.* 2006 Aug;22(8):734-43.

Benito JM, López M, Lozano S, Ballesteros C, **Capa L**, Martínez P, et al. CD4+ T cell recovery beyond the first year of complete suppression of viral replication during highly active antiretroviral therapy is not influenced by CD8+ T cell activation. *J Infect Dis.* 2005 Dec 15;192(12):2142-6.

Mendoza M, Serranía MJ, **Capa L**, García-Bustos JF. Translation Elongation Factor 2 Is Encoded by a Single Essential Gene in *Candida albicans*. *Gene.* 1999 Mar 18;229(1-2):183-91.

Capa L, Mendoza A, Lavandera JL, Gómez de las Heras F, García-Bustos JF. Translation Elongation Factor 2 Is Part of the Target for a New Family of Antifungals. *Antimicrob Agents Chemother.* 1998 Oct;42(10):2694-9.

Rubio N, **Capa L**. Differential IL-1 Synthesis by Astrocytes from Theiler's Murine Encephalomyelitis Virus-Susceptible and -Resistant Strains of Mice. *Cell Immunol.* 1993 Jul;149(2):237-47.

MEETINGS

Bedoya LM, Beltrán M, Obregón P, Gómez-Acebo E, Auñón D, **Capa L**, Alcamí J. Antiviral activity of 5-Hydroxytyrosol, a microbicidal candidate against HIV-1 transmission. 8th IAS Conference on HIV Pathogenesis, Treatment and Prevention (IAS 2015); 2015 Jul 19-22; Vancouver, Canada.

Alcamí J, Bedoya LM, Obregón P, Beltrán M, Gómez-Acebo E, Auñón D, **Capa L**. Propiedades del 5-hidroxitiroso, una nueva clase de microbicidas frente al VIH-1. XVII Congreso Nacional sobre el Sida; 2015 May 6-8; San Sebastián, España.

Domínguez-Molina B, Benito JM, León A, Rodríguez C, Rallón NI, López-Galindez C, García F, Pernas M, **Capa L**, Casado C, del Romero J, Alcamí J, Leal M, Ruíz-Mateos E. Eventos No SIDA en pacientes controladores del VIH: Relevancia de la coinfección con VHC. VI Congreso Nacional GESIDA; 2014 Nov 25-28; Málaga, España.

Alcamí J, Bedoya LM, Obregón P, Beltrán M, Gómez-Acebo E, Auñón D, **Capa L**. Antiviral activity of 5-Hydroxytyrosol, a microbicidal candidate against HIV-1 transmission. HIV R4P 2014 Conference; 2014 Oct 28-31; Cape Town, South Africa.

Gisbert I, Polo R, **Capa L**. Red ESTHER de formadores/as en VIH en América latina. XV Congreso Nacional sobre el Sida; 2012 Jun 6-8; Madrid, España.

Capa L, Gisbert I, Galindo MJ, Ramos JT, Lozano F, Moreno D, et al. Proyecto ESTHER-España. Un reto en formación en VIH. XIV Congreso Nacional sobre el Sida; 2011 Jun 15-17; Zaragoza, España.

Gisbert I, **Capa L**, Galindo MJ, Ramos JT, Lozano F, Moreno D, et al. Campus ESTHER. Un máster solidario sobre VIH. XIV Congreso Nacional sobre el Sida; 2011 Jun 15-17; Zaragoza, España.

Gisbert I, **Capa L**, Polo R. La perspectiva de género en la práctica clínica: la atención a pacientes con infección por el VIH. XIV Congreso Nacional sobre el Sida; 2011 Jun 15-17; Zaragoza, España.

Capa L, García-Samaniego J, Soriano V, Romero M, Núñez M, de Mendoza C, et al. Hepatitis C Virus (HCV)-Specific CD4+ and CD8+ T Cell Responses in Patients with Chronic Hepatitis C Treated with Pegylated Interferon plus Ribavirin. 41st Annual Meeting of the European Association for the Study of the Liver (EASL); 2006 Apr 26-30; Vienna, Austria.

Capa L, Soriano V, García-Samaniego J, Romero M, Núñez M, de Mendoza C, et al. Impact of HIV Coinfection and Treatment with Pegylated Interferon plus Ribavirin on Hepatitis C Virus (HCV)-Specific Immune Responses. 13th Conference on Retroviruses and Opportunistic Infections (CROI); 2006 Feb 5-8; Denver, Colorado, US.

de Mendoza C, Zahonero N, Barreiro P, de Baar MP, **Capa L**, Benito JM, et al. Impact of hepatitis C virus (HCV) infection on mitochondrial DNA depletion in HIV-Coinfected patients. 13th Conference on Retroviruses and Opportunistic Infections (CROI); 2006 Feb 5-8; Denver, Colorado, US.

Capa L, García-Samaniego J, Soriano V, Romero M, Núñez M, Muñoz F, et al. CD4+ and CD8+ T cell responses against hepatitis C virus (HCV) are influenced by HCV genotype and coinfection with human immunodeficiency virus (HIV). 40th Annual Meeting of the European Association for the Study of the Liver (EASL); 2005 Apr 13-17; Paris, France.

Capa L, García-Samaniego J, Soriano V, López M, Romero M, González-Lahoz J, et al. Association between HCV-specific CD8+ T cell responses and levels of viral replication in patients chronically infected with HCV. 39th Annual Meeting of the European Association for the Study of the Liver (EASL); 2004 Apr 14-18; Berlin, Germany.

Capa L, García-Samaniego J, Romero M, Soriano V, López M, Muñoz F, et al. Diferente magnitud en la activación de células T en pacientes infectados con el virus de la hepatitis C (VHC), con el virus de la inmunodeficiencia humana (VIH) y con ambos virus. XXIX Congreso de la Asociación Española para el Estudio del Hígado; 2004 Feb 19-21; Madrid, España.

Capa L, Benito JM, García-Samaniego J, López M, González-Lahoz J, Soriano V. Effect of HIV infection on the specific CD8+ T cell responses against Hepatitis C virus (HCV) in patients coinfecting with HCV and HIV. 11th Conference on Retroviruses and Opportunistic Infections (CROI); 2004 Feb 8-11; San Francisco, California, US.

Capa L, Mendoza A, Lavandera JL, García-Bustos JF. Mecanismo de Acción de una Nueva Familia de Antifúngicos Derivados de Sordaricina. Zymomadrid XII; 1998; Madrid, España.

Capa L, Serramía MJ, Mendoza A, García-Bustos JF. Clonación y Caracterización del Gen EFT2 de *C. albicans*. Zymomadrid XI; 1997; Madrid, España.

Domínguez JM, **Capa L**, Serramía MJ, Mendoza A, Viana JM, García-Bustos JF, et al. Translation Elongation Factor 2 (EF-2) Is the Target for Sordarin-Derived Antifungals. 37th Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC); 1997 Sep 28 - Oct 1; San Diego, California, US.

OTHER MERITS

Spanish government representative

- 2008 - 2011 Representative of the Spanish Ministry of Health in the meetings of the European ESTHER Alliance, a network of Governments aims to build up capacities in the fight against HIV/AIDS and its associated infections in developing countries.
- 2008 - 2009 Expert in the "HIV/AIDS Think Tank" meetings organized by the European Commission (Brussels).
- 2008 Government representative in the United Nations General Assembly High-Level Meeting on AIDS (UNGASS 2008, Nueva York).
- 2008 Government representative in the XVII AIDS International Conference (AIDS 2008, Ciudad de México).

International working groups

- 2011 Monitoring and Evaluation Working Group of the European ESTHER Alliance.

Organization of international conferences

- 2010 Meeting of the European ESTHER Alliance (Madrid).
- 2009 International Conference "Prison Health Protection" (Madrid). This Conference was organized jointly by several international organizations including World Health Organization (WHO).

Reviewer

- 2009 Scientific projects. FIPSE, 2009 call.
- 2009 Scientific communications. Seisida, 2009 Conference.