

## BIOGRAPHICAL SKETCH

### NAME

**WEISS Laurence**

*Date of birth: October 22, 1957 (Saint Mandé, 94, France)*



### POSITION TITLE

**Professor of Clinical Immunology, Hôpital Européen Georges Pompidou and Université Paris-Descartes**

**Research activity in "Regulation of Retroviral infections" Unit, Pasteur Institute**

Phone: 33 (0) 1 56 09 3297; E-mail: laurence.weiss@egp.aphp.fr

### EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
High school, Paris, France	Baccalaureate	1974	Sciences
University of Créteil, France	MD	1980	Medicine
University Paris VI	Master	1986	Immunology
University Paris VI	PhD	1993	Immunology
University Paris VI	Authorization to guide students in their research	1995	Immunology

### A. POSITIONS

#### Positions and Employment

1981-1986:	Resident in Medicine
1986 -1990 :	Assistant of Immunology, Hôpital Broussais, Faculté de Médecine Broussais -Hôtel Dieu, Paris
1990-1999 :	Associate Professor of Immunology, Hôpital Broussais, Faculté de Médecine Broussais -Hôtel Dieu,
2000 to present:	Professor of Immunology, Hôpital Européen Georges Pompidou and Université Paris -Descartes
2006 to present:	Head of the Department of Clinical Immunology, Hôpital Européen Georges Pompidou, Paris

#### Other Experience and Professional Memberships

1997-2002:	Member of the Director Committee of Concerted Action 7 (AC-7:"Cohorts") of the French National Agency for AIDS Research (ANRS)
Since 1997:	Member of the Immunology group of AC-5 (Therapeutic trials) of ANRS
Since 1997:	Member of the group of standardization of immunologic monitoring of ANRS
1999-2003:	Member of the Scientific Committee of a French NGO, similar to AmFAR, named SIDACTION
Since 2002:	Member of the Scientific Committee of SIDACTION for programs of training in developing countries
2002-2004:	Coordination of the working group of AC-12 (AIDS Research in Developing Countries) of ANRS on "Alternative methods to measure CD4 cell counts in developing countries"
Since 2005:	Member of the Scientific Evaluation Committee N°3 (Clinical Research) of ANRS
Since 2007:	President of the Scientific Evaluation Committee N°3 of ANRS
1993-2000:	Member of the Medical Consultative Committee of Hôpital Broussais
2000-2006:	Member of the Medical Consultative Committee of Hôpital Européen Georges Pompidou
1999-2005:	Coordination of the Center of Information and Care of HIV infection of Center and West of Paris
2000-2003:	Co-chair of CITRAS (Inter-hospital Committee on Research and treatment against AIDS)
Since 2003:	Coordination of ESTHER (Network for therapeutic solidarity in hospitals) partnership with Tropical Disease Hospital in Ho Chi Minh City (Vietnam) and with CHU Ibn Rochd (Casablanca, Maroc)
2003-2005:	Co-chair of The College of Immunologists from Assistance Publique / Hôpitaux de Paris (AP/HP)

#### Teaching activities

Since 1986:	Immunology teaching to 1st & 2nd cycle medical students Participation to numerous specialized courses on Immunology, on HIV infection for University diploma including Master's Degree courses
-------------	---

## Research management and supervision

1987-1994: INSERM U28 (Director: Ph Druet); Team MD Kazatchkine, Hôpital Broussais, Paris  
1994-1998: INSERM U430 (Director: MD Kazatchkine): Co-leader with N. Haeffner-Cavaillon of the team 3 "Inflammation and cytokines", Hôpital Broussais, Paris  
1998-2005: INSERM U430 (Director: MD Kazatchkine): Team leader "Inflammation and cytokines" Hôpital Broussais, and then Institute of Cordeliers, Paris  
2006-2007 INSERM U 841 (Director: Georges Guellaen); Team 16: "Lymphoid development in physiology and HIV pathology" (Team leader: Y. Levy); Supervision of a subgroup focused on the "Analysis of regulatory T cell amplification and impact of Immune-Based therapy in HIV infection", Faculté de Médecine de Créteil  
Since September 2007: "Regulation of Retroviral infections" Unit (Director: Françoise Barré-Sinoussi), Pasteur Institute

Since 1992: Supervision of 5 post-docs, 6 PhD students, 3 undergraduate students

### **Grants since 1995:**

1995: Study of anticardiolipin, anti- $\beta$ GPI and endothelial cell antibodies in HIV-infected patients (Sidaction)  
1996: Correlation Between the expression of monocytic cytokines and viral load in HIV-infected patients (Sidaction)  
1997: Immune restoration in HIV-infected patients receiving HAART (ANRS)  
1998: Immunological status of patients exhibiting discrepant immunologic and virologic responses under HAART (Sidaction)  
2000: Phenotypic and functional characterization of dendritic cells generated in the presence of GM-CSF and interferon- $\alpha$  (Sidaction)  
2002-2005: Regulatory properties of CD4+CD25+ T cells from HIV-infected patients: Impact of antiretrovirals and of IL-2 therapy (Sidaction)  
2005: Phenotypic and functional characterization of HIV-specific CD4+CD25+ regulatory T cells; study of mechanisms of suppression of HIV-specific CD4 cell responses (ANRS)  
2005: Immunological substudy of ANRS 116 trial: Do CD4+CD25+ cells from patients stopping HAART exert regulatory functions? (ANRS)  
2007-2009: TGF $\beta$  responses and Treg profiles during primary HIV-1 and SIV infection (grant AP-HP and Pasteur Institute); co-investigator: M. Muller-Trütwin

### **Principal Investigator of the following clinical trials:**

ESPRIT ANRS 101 (PI for France): Phase III trial designed to evaluate the long-term clinical efficacy and safety of subcutaneous (SC) interleukin-2 (IL-2) plus antiretroviral therapy (ARV) vs. ARV alone in 4000 patients with CD4+ =  $\approx$ 300/mm<sup>3</sup>.  
SECOIIA ANRS HC09: Open trial of addition of IL-2 in HIV-HCV co-infected patients nonresponders to bithérapie by pegylated interferon and ribavirin  
SALTO ANRS 116 (co-investigator with C. Piketty): Trial of Treatment Interruption in chronically HIV-infected patients who had been treated by antiretrovirals with CD4 = 350/mm<sup>3</sup> and HIV-RNA levels < 50 000 copies/mL

## **B. FIVE SELECTED PEER-REVIEWED PUBLICATIONS**

*(SELECTED AMONG ABOUT 100 PEER-REVIEWED PUBLICATIONS)*

1. **Weiss L**, P. Ancuta, P.M. Girard, H. Bouhhal, A. Roux, N. Haeffner-Cavaillon, M.D. Kazatchkine.. Restoration of normal IL-2 production by CD4+ T cells of HIV-infected individuals after nine months of highly active antiretroviral therapy. **J. Inf.Dis.** **1999**, 180 : 1057-63.
2. Grabar S., V. Le Moing, C., Goujard, C. Leport, M.D. Kazatchkine, D. Costagliola, **L. Weiss**. Clinical outcome of patients with HIV-1 infection according to immunologic and virologic response after six months of highly active antiretroviral therapy. **Ann. Intern. Med.** **2000**, 133 :401-10.
3. Carbonneil C., A. Aouba, M. Burgard, S. Cardinaud, C. Rouzioux, P. Langlade-Demoyen, **L. Weiss**. Dendritic cells generated in the presence of GM-CSF and Interferon- $\alpha$  are potent inducers of HIV-specific CD8+ T cells. **AIDS** **2003**,17:1731-1740.
4. **Weiss L**, V. Donkova-Petrini, L. Caccavelli, M. Balbo, C. Carbonneil, Y. Levy. Human immunodeficiency virus-driven expansion of CD4+CD25+ regulatory T cells Which Suppress HIV-specific CD4 T-cell Responses in HIV-infected patients. **Blood** **2004**, 104 (10) : 3246-56
5. Carbonneil C. V. Donkova-Petrini, A. Aouba, **L. Weiss**. Defective dendritic cell function in HIV-infected patients receiving effective highly active antiretroviral therapy : neutralization of IL-10 production and depletion of CD4+CD25+Tcells restore high levels of HIV-specific CD4+T cell responses induced by dendritic cells generated in the presence of interferon- $\alpha$ . **J Immunol** **2004**, 172(12): 7832-40

