

**MARIANO BUSSO, MD**  
**CURRICULUM VITAE**

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**Personal**

Place of Birth: Buenos Aires, Argentina.

Date of Birth: April 18, 1959.

Citizenship: U.S.A.

Marital Status: Married

Languages: English/Spanish

**MARIANO BUSSO, MD**  
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**Higher Education**

Medical School

1984 University of Buenos Aires, School of Medicine, M.D.

1988 Foreign Medical Graduate Examination in the Medical Sciences.  
Appl. No. 397-436-7

Post Graduate Positions

1985-1986 Internship, Internal Medicine,  
Durand University Hospital,  
Buenos Aires, Argentina

1986-1987 Fellowship, Dermatology,  
Muniz Infectious Disease University Hospital  
Buenos Aires, Argentina

1987-1990 Research Associate,  
Department of Dermatology  
Mount Sinai Medical Center,  
Miami Beach, Fl 33140

1990-1991 Intership. General Surgery.  
Department of General Surgery.  
Mount Sinai Medical Center  
Miami Beach, Fl 33140

1991-1994 Fellowship, Dermatology  
Department of Dermatology  
University of Miami  
Miami, FL 33101

1994-2001 Clinical Instructor  
Department of Dermatology  
University of Miami  
Miami, FL 33101

2001-Present Voluntary Assistant Clinical Professor  
Department of Dermatology  
University of Miami  
Miami, FL 33101

2002-Present Chief of Dermatology  
Mercy Hospital  
Miami, Fl 33133

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Certification

- 1994      Diplomate of the American Board of Dermatology  
            Florida Medical License ME 65566
- 2001      Fellow, American Society for Mohs Surgery

**Experience**

- 1994-present      Private Practice

Hospital Affiliations:

Jackson Memorial Hospital  
Mercy Hospital

Clinical Trials

- 1997-2001      Evaluation of Artecoll, PMMA microspheres in 3.5% collagen for soft tissue augmentation. Clinical Investigator.
- 2003-present      Evaluation of Intense Pulse Light Estelux for the treatment of acne. Clinical Investigator.
- 2004-present      Safety and tissue augmentation persistence of Radiasse. Clinical Investigator.

Military

None

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### Publications

#### Book Chapters

1. Hahn EF, Busso ME, Miami AM, and Resnick L. Nucleotide dimers as anti-HIV agents, in Martin JC, (ed): Nucleotide analogs as antiviral agents. ACS Symposium series, Washington DC, 1989; 401: 156-169.
2. Resnick L., Busso ME, and Duncan RC, Anti-HIV screening technology. Heterosexual transmission of AIDS. Alexander N (ed). Wiley-Liss 1989; 311-327.

#### Publications in Refereed Journals:

1. Busso ME, Mian AM, Hahn EF, and Resnick I. Nucleotide dimers suppress HIV expression in vitro. AIDS Res Hum Retroviruses. 1988; 4:449-455.
2. Agarwal RP, Busso ME, Mian AM, and Resnick L. Uptake of 2', 3' dideoxyadenosine in HIV infected and non-infected human cells. AIDS Res Hum Retroviruses. 1989; 5:527-536.
3. Davila E, Wallack MK, Resnick L, Busso ME, Gronka S, Darnell E. and Bash JA. Clinical response to IL-2/LAK therapy of advanced melanoma in an HIV positive patient. Cancer Detection and Prevention. 1989; 7:835-839.
4. Busso ME, Resnick L, Yang BH, and Mian AM. Cellular pharmacology and anti-HIV activity of 2',3' dideoxyguanosine. AIDS Res Hum Retroviruses; 6:1991-1995.
5. Busso ME and Resnick L. Anti-HIV effects of dextran sulfate are strain dependent and antagonistic or synergistic when dextran sulfate is given in combination with dideoxynucleosides. Antimicrob Agents Chemother 1990; 34: 1991-1995.
6. Busso ME, Thornwaite J, and Resnick L. HIV-induced syncytium formation requires the formation of conjugates between virus infected and uninfected T-cells in vitro. AIDS 1991; 5:1425-1432.
7. Romero DL, Busso ME, Tan CK, Reusser F, Palmer JR, Poppe SM, Aristoff PA, Downey KM, So AG, Resnick L. and Tarpley WG. Novel bisheteroaryl piperazine HIV-1 reverse transcriptase inhibitors which potently inhibit viral replication in vitro. Proc Natl Acad Sci USA 1991; 88:8806-8810.

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**Publications in Refereed Journals: (Cont.)**

8. Althaus IW, LeMay RJ, Gonzalez AJ, Deibel MR, Sharma SK, Kezdy FJ, Resnick L, Busso ME, Aristoff PA, and Reusser F. Enzymatic kinetics studies with the non-nucleoside HIV RT inhibitor U-9843. *Experience* 1992; 48: 1127-1132.
9. Romero DL, Morge RA, Genin MJ, Biles C, Busso ME, Resnick L, Althaus IW, Reassure F, Thomas RC, and Tarpley WG. BHAP reverse transcriptase inhibitors: Structure activity relationships of novel substituted indole analogues and the identification of a second generation chemical candidates. (*J. Med Chem.* 1993; 36:1505-1508.
10. Dueweke TJ, Poppe SM, Romero DL, Swaney SM, So AG, Downey KM, Althaus IW, Reusser F, Busso ME, Resnick L, Mayers DL, Lane, Aristoff, Thomas RC, and Tarpley WG. U-90152; a potent inhibitor of HIV-1 replication. *Antimicrob. Agents Chemother.* 1993; 37:1127-1131.
11. Romero DL, Morge RA, Biles C, Berrios-Pena N, May P, Palmer JR, Johnson PD, Smith HW, Busso ME, Tan CK, Voorman R, Reusser F, Althaus IW, Downey KM, So AG, Resnick L, Tarpley WG, and Aristoff P. Discovery, Synthesis and Bioactivity of Bis(heteroaryl) piperazines (BHAPs): A Novel Class of Non-nucleoside HIV-1 Reverse Transcriptase Inhibitors. *J Med Chem* 1994, 37: 999-1014.
12. Busso ME and Resnick L. Development of an assay that detects transcriptionally component Human Immunodeficiency Virus type one particles. *J of Virol Methods* 1994, 47: 129-140.
13. Busso ME and Berman B. Antivirals in Dermatology. *J Am Acad Dermatol* 1995,32: 1031-1040.
14. Althaus IW, Chou KC, Kezdy FJ, Resnick L, Busso ME, So Ag, Downey KM, Romero DL, Thomas RC, Aristoff PA, Tarpley WG, Reusser F. The benzylthio-pyrimidine U-31,355, a potent inhibitor of HIV-1 reverse transcriptase. *Biochem Pharmacol* 1996 Mar 22;51(6): 743-750.
15. Nouri K, Busso ME, Machler BC. Vitiligo associated with alpha-interferon in a patient with chronic active hepatitis C. *Cutis.* 1997;60:289-290.
16. Elgart GW, Hanly A, Busso ME, Spencer JM. Bednar tumor (pigmented dermatofibrosarcoma protuberans) occurring in a site of prior immunization: immunochemical findings and therapy. *J Am Acad Dermatol* 1999 Feb; 40(2 Pt 2): 315-317.
17. Lemperle G, Romano JJ and Busso ME. Soft tissue augmentation with artecoll: 10-year history, indications, techniques, and complications. *Dermatol Surg.* 2003 Jun;29(6):573-87; discussion 587.

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### Published Abstracts

1. Agarwal RP, Busso ME, Mian AM, Resnick L. Studies on (ddA) in human cells. American Association for Cancer Research, San Diego, Ca, 1988.
2. Busso ME, Nwosu C, Agarwal RP, Mian AM, Resnick L. Studies on the metabolism and uptake of dideoxyadenosine in human lymphocytes. IV International Conference on AIDS, Stockholm, Sweden, 1988.
3. Resnick L, Busso ME, Mian AM, Agarwal RP. Anti-HIV activity of nucleotide dimers *in vitro*. IV International Conference on AIDS, Stockholm, Sweden, 1988.
4. Resnick L, Busso ME. Rapid anti-HIV screening assay. AIDS National Cooperative Drug Discovery and Development Meeting Oakland, CA, 1998.
5. Busso ME, Resnick L, Mian AM. Cellular pharmacology and anti-HIV activity of 2'-3'-dideoxyguanosine. American Association for Cancer Research, San Francisco. CA, 1989.
6. Bash JA, Wallack MK, Davila E, Resnick L, Busso ME Gronka S. Darnell E. Clinical response to IL-2/LAK therapy of advanced melanoma in a HIV positive patient. American and ISPO, Nice, France, 1989.
7. Resnick L, Busso ME, Mian AM. Studies of anti-HIV activity and metabolism of 2'-3'-dideoxyguanosine (ddG). V International Conference on AIDS, Montreal, Canada , 1989.
8. Resnick L, Busso ME. The antiviral effect of dextran sulfate (DXS) is HIV-strain dependent. V International Conference on AIDS, Montreal, Canada, 1990.
9. Reusser F, Althaus IW, Lemay RJ, Tarpley WG, McQuade TJ, Resnick L, Busso ME. The search for HIV reverse transcriptase inhibitors. International Conference on AIDS. Florence, Italy, 1991.
10. Althaus IW, LeMay RJ, Deibel MR, Reusser F, Resnick L, Busso ME / Mode of action in vitro studies with the HIV RT inhibitor U-9843. VII International Conference on AIDS, Florence, Italy. 1991.
11. Romery DL, Palmer JR, Thomas RC, Busso ME, Tan CK, Reusser F, Poppe SM, Morge RA, Berrio-Pen N, Hosley MJ, Poel TJ, Roher DC, Johnson PD, Aristoff PA, Downey KM, So AG, Resnick L, Tarpley WG. Discovery, SAR, and antiviral activity of novel BHAP HIV-1 R inhibitor. ICAAC, Chicago, IL 1991 and IV NCDDG, San Diego, CA, 1991.
12. Resnick L and Busso ME. HIV-induced syncytium formation requires the formation of conjugates between virus infected and uninfected T-cells in vitro. Gallo Lab of Tumor Cell Biology Meeting, Bethesda, MD, 1991.
13. Althaus IW, LeMay RJ, Deibel MR, Resnick L, Busso ME, and Aristoff PA. Mode of action studies with the HIV RT inhibitor U-9843. IV Chemical Congress of N.A., New York, NY, 1991.
14. Busso ME and Resnick L. Regulation of HIV-induced syncytium formation by inhibitors of conjugate formation. IV NCDDG Meeting, San Diego, CA, 1991.

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Published Abstracts: (Cont.)

15. Mian AM, Aboulwafa OM, Yang BH, Busso ME, and Resnick L. Synthesis and anti-HIV activity of 8-methoxy 2', 3'-dideoxyadenosine-5'-monophosphate (OCH<sub>3</sub>-dAMP). American Association for Cancer Research, 1992.

16. Resnick L, Hill M, Lorenzo E, Abele L, Debry R, Busso ME and Weiss S. HIV V3 Sequence Analysis of the Dental Clade and surrounding Florida Community. Annual Meeting of the Laboratory of Tumor Cell Biology, Bethesda, Maryland, 1992.

17. Resnick L, Busso ME, Duncan RC, Doncel G, and Alexander NJ. Comparative evaluation of spermicidal agents with virucidal activity against HIV. IX International Conference on AIDS, Berlin, Germany, 1993.

18. Busso ME, and Resnick L. Novel method to detect transcriptionally active HIV particles. IX International Conference on AIDS, Berlin, Germany, 1993.

19. Busso ME, and Resnick L. Novel Method that Detects Transcriptionally Active Viral Particles. Annual Meeting of the Laboratory of Tumor Cell Biology. Bethesda, Maryland, 1993.

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### Professional

#### Professional and Honorary Organizations

- 1991-present American Academy of Dermatology, Fellow.  
1994-present Florida Society of Dermatology.  
2001-present American Society for Mohs Surgery, Fellow.

#### Honors and Awards

- 1984 Honoris Diploma (maximum academic honor) University of Buenos Aires, School of Medicine. Buenos Aires, Argentina.  
1994 Upjohn Research Award. Department of Dermatology, University of Miami. Miami, Florida.

#### Post-Doctoral Fellowships

None

#### Special Presentations

Annual Gallo Laboratory Meeting, Laboratory of Tumor Cell Biology, NCI, NIH, Bethesda, MD. "Anti-HIV Activity of Dextran Sulfate in vitro". 1988.

Annual Meeting of the American Academy of Dermatology, San Francisco, CA. "Coupling Endogenous Reverse Transcription with Polymerase Chain Reaction Amplification". 1992.

International Conference on AIDS. Berlin, Germany. "Novel Method to Detect Transcriptionally Active HIV Particles". 1993.

Seminar on Dermatological Manifestations of AIDS. University of Miami. Miami Beach, FL. 1994.

Fourth Annual Florida HIV Conference of the Florida AIDS Education and Training Network. Orlando, Florida. Early Mucocutaneous Manifestations of HIV Disease. 1995.

North Broward Hospital District. CME Activity. HIV/AIDS Update. Fort Lauderdale, Florida. Common Mucocutaneous Manifestations of HIV Disease. 1995.

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Annual Meeting of the American Academy of Dermatology, San Francisco, CA. "AIDS: Clinical & Cosmetic Issues". Forum Faculty. 2001

Summer Meeting of the American Academy of Dermatology, Anaheim, CA. "Update on Tissue Augmentation". Forum Faculty. 2001.

**Teaching**

1994-2001      Clinical Instructor  
Department of Dermatology  
University of Miami  
Miami, FL 33101

2001-Present      Voluntary Assistant Clinical Professor  
Department of Dermatology  
University of Miami  
Miami, FL 33101

1994      Teaching Awards Received  
George Iaonnides Teaching Award. Department of Dermatology,  
University of Miami. Miami, Florida.