

ABRAHAM CHACHOUA, M.D.

November 2011

I. EDUCATION AND PROFESSIONAL EXPERIENCE

A. Educational Background

1978 *Medical Doctorate* (M.D.)
Monash University, Melbourne, Australia
Graduated with Honors

B. Professional Positions and Appointments

Professional Appointments

2011 – Present	<i>Interim Director</i> Division of Hematology and Medical Oncology New York University Medical Center, New York, NY
2010 – Present	<i>Jay and Isabel Fine Associate Professor of Oncology</i> Division of Hematology and Medical Oncology New York University Medical Center, New York, NY
2002-Present	<i>Associate Professor of Medicine</i> New York University Medical Center, New York, NY
2002-Present	<i>Associate Professor</i> Department of Urology New York University Medical Center, New York, NY
1998-2002	<i>Assistant Professor</i> Department of Urology New York University Medical Center, New York, NY
1995-1997	<i>Director, Oncology, Section of Hematology/Oncology</i> Brooklyn Hospital Center, Brooklyn, NY
1990-2002	<i>Assistant Professor of Clinical Medicine</i> New York University Medical Center, New York, NY
1988-1990	<i>Research Assistant Professor</i> New York University Medical Center, New York, NY
1985-1988	Teaching Assistant New York University Medical Center, New York, NY

Postdoctoral Training

1984 -1985	<i>Clinical Fellow</i> Hematology/Oncology Peter MacCallum Hospital, Melbourne, Australia
1983-1984	<i>Clinical Fellow</i>

	Hematology/Oncology Alfred Hospital, Melbourne, Australia
1982-1983	<i>Medical Registrar</i> General Medicine Alfred Hospital, Melbourne, Australia
1981-1982	<i>Senior Medical Resident</i> Endocrinology, General Medicine, Oncology Alfred Hospital, Melbourne, Australia
1980–1981	<i>Medical Junior Resident</i> Cardiology, Intensive Care, Hem/Onc, Rehabilitation, Alfred Hospital, Melbourne, Australia
1979 – 1980	<i>Intern</i> ER, Medicine, Surgery Anesthetics, Gastroenterology Prince Henry's Hospital, Melbourne, Australia

C. Memberships

Royal Australasian College of Physicians
Eastern Cooperative Oncology Group
American Society of Clinical Oncology
American Association for Cancer Research

II. Research Grants & Contracts

Ongoing Support

None

Completed Support

Grant: NIH/NCI (5P30 CA16087-21) **1/1/94-11/30/01**
Role: **Co-Investigator / Burakoff (PI)**
Title: **Cancer Center Support Core Grant**

The major goals of this program is to foster, enhance and coordinate the conduct of oncology research, education and patient activity at NYU Medical Center, and to promote through its programs and specialized shared resources the collaboration and technology transfer intended to more rapidly translate the benefits of research into more effective approaches to cancer. (no cost extension until 2/28/03)

Grant: NIH, NCI (1U01 CA7664) **2/1/98 - 1/31/03**
Role: **Co-Investigator / Muggia (PI)**

Title: **Phase I Studies of Anticancer Drug and Gene Therapy**

The development of effective anticancer agents and treatment strategies which will be incorporated into multidisciplinary, potentially curative treatment protocols for patients with solid tumors.

Grant: Bristol Myers Squibb **7/1/99 - 6/30/02**
Role: **Chachoua (PI)**

Title: **Lung Cancer in Women**

To test the hypothesis that measurement of molecular biomarkers of carcinogenesis will enhance the sensitivity of CT scan in the early detection of lung cancer in women.

Grant: NIH, NCI - R01 (CA71916) **8/9/96 - 5/31/01**
Role: **Co-Investigator / Liebes (PI)**

Title: 9 Cis-Retinoic Acid and Interferon- α in Kaposi's Sarcoma

Evaluated the efficacy of 9-cis-retinoic acid combined with interferon-1 as novel treatment for HIV associated Kaposi's sarcoma.

Grant: NCI (1 U01CA70075) 9/30/95 - 7/31/99

Role: Co-Investigator / Friedman-Kien (PI)

Title: NYUMC - AIDS-Related Malignancy Consortium

Developed and executed multicenter Phase I and II clinical treatment trials using novel agents and/or innovative approaches for the treatment of patients with AIDS-associated malignancies and to expand and maintain the established, centralized tissue storage bank containing well characterized patient specimen.

Grant: NCI (1 U01 CA5826) 9/30/92 - 9/29/96

Role: Chachoua (PI)

Title: Evaluations of Cytokine and Chemotherapy Combinations

Clinical Trials Program: Implement Phase I clinical trials of combinations of IL-1 alpha and high dose cisplatinium in patients with melanoma; Laboratory Program: Measured the effects of treatment on specific tumor and host cell functions that will help to reveal mechanisms of response or resistance to the therapeutic protocol.

III. Bibliography

A. Publications

1. **Chachoua A**, Green M, Muggia F. Immune modulating therapy in gastrointestinal cancer. *Am J Gastroenterol* 1986; Vol. 81(8):623-628.
2. **Chachoua A**. Current Aspects on Biological Response Modifiers. *Cancer Treatment Update* 1986; Vol. V1(3):2-4, May-June, 1986.
3. Green MD, **Chachoua A**. Bladder Cancer. *Mediguide to Oncology*. Vol. 6(4):1-6, 1986.
4. **Chachoua A**, Oratz R, Green MD, Muggia FM. Acquired Immune Deficiency Syndrome. In: *Cancer Chemotherapy Annual*. HM Pinedo, BA Chabner (Eds). Elsevier Science Publishers, The Netherlands. *Cancer Chemother.* 8:305-332, 1986.
5. **Chachoua A**. Adjuvant chemotherapy of bladder cancer. In: *Cancer Treat Update*. Vol VI (5), 3-5, 1986.
6. **Chachoua A**, Green MD. New Antiviral Compounds and Impact in Management of Neoplastic Diseases and AIDS. *Cancer Treat Res.* 36:205-232, 1987.
7. **Chachoua A**, Oratz R, Green MD, Muggia FM. Acquired Immune Deficiency Syndrome. In: *Immunology of Malignant Disease*. R Baldwin (Ed). MTP Press. pp 225-261, 1987.
8. Chaudhry AP, **Chachoua A**, Saltzman BR, Friedman-Kien AE. AIDS-associated Kaposi's sarcoma. Letter to Editor. *J Am Dent Assoc.* 115:824, 826, 1987.
9. **Chachoua A**, Green MD, Laubenstein L, Wernz J, Muggia FM. Phase II Study of oral idarubicin in patients with AIDS-associated Kaposi's sarcoma. *Cancer Treat Rep.* 71:775-776, 1987.
10. **Chachoua A**, Dieterich D, Krasinski K, Greene J, Laubenstein L, Wernz J, Buhles W, Koretz S. 9-(1,3-dihydroxy-2-propoxymethyl) guanine (Ganciclovir) in the treatment of cytomegalovirus gastrointestinal disease with the acquired immunodeficiency syndrome. *Ann Int Med.* 107(2):133-137, 1987.
11. Chaudhry AP, **Chachoua A**, Saltzman BR, Friedman-Kien A. AIDS and occlusal trauma. *J Am Dent Assoc.* 115(5):672, 674, 1987
12. Oratz R, **Chachoua A**, Green MD. Principles of chemotherapy. In: *Chemotherapy Manual*. J Rosenthal (Ed).
13. Oratz R, **Chachoua A**, Speyer J. Intraperitoneal Therapy in Gastrointestinal Malignancies. *Advances in Oncology.* 3(4):23-29, 1987.
14. Chaudhry AP, **Chachoua A**, Saltzman BR, Friedman-Kien A. Oral candidiasis and AIDS. Letter to Editor. *J Am Dent Assoc.* 116(7):818, 820, 1988.
15. **Chachoua A**, Hochster H, Muggia FM. Doxorubicin. In: *Handbook of Chemotherapy in Clinical Oncology*. JP Droz, E Cvitkovic, JP Armand, S Khoury, (Eds). F.I.I.S. Publishers, France. 125-127, 1988.
16. Green MD, **Chachoua A**, Muggia FM, Leichman L. Combined modality treatment of squamous cell carcinoma of the esophagus. In: *Concepts, Clinical Developments, and Therapeutic Advances in Cancer Chemotherapy*. FM Muggia (Ed). Martinus Nijhoff Publishers, Boston, Vol. 4.
17. **Chachoua A**, Beller U. Intraperitoneal Therapy with Biologic Response Modifiers. *Cancer Treat Update*. Vol. III, 1988.

18. Dieterich DT, **Chachoua A**, Lafleur F, Worrell C. Ganciclovir treatment of gastrointestinal infections caused by cytomegalovirus in patients with AIDS. *Rev Infect Dis.* 10:S532-S537, 1988.
19. **Chachoua A**, Dieterich D. 9-(1,3-dihydroxy-2-propoxymethyl) guanine (Ganciclovir) in the Treatment of Cytomegalovirus Gastrointestinal Disease with the Acquired Immunodeficiency Syndrome. *Year Book of Medicine.* 1988.
20. **Chachoua A**, Green MD, Valentine F, Muggia FM. Phase I/II Trial of Thymostimulin in opportunistic infections of the acquired immune deficiency syndrome. *Cancer Invest.* 7(3):225-229, 1989.
21. **Chachoua A**, Green MD, Wernz J, and Muggia F. Phase II Trial of ICRF-187 in Patients with Acquired Immune Deficiency Related Kaposi's Sarcoma (AIDS-KS). *Invest New Drugs.* 7:327-331, 1989.
22. Walsh C, Speyer J, Wernz J, Hochster H, Grossberg H, **Chachoua A**, Molinaro P, Meyers M, Blum R. Phase I Study of the Combination of Alpha-2-Interferon and Cisplatinum. *J Biol Response Mod.* 8(1):11-15, 1989.
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24. Beller U, **Chachoua A**, Speyer J, Sorich J, Dugan M, Liebes L, Hayes R, Beckman M. Phase Ib Study of Low Dose Intraperitoneal recombinant interleukin-2 in patients with refractory advanced ovarian cancer: rationale and preliminary report. *Gynecol Oncol.* 34:407-412, 1989.
25. Liebes L, Walsh C, **Chachoua A**, Oratz R, Richards D, Hochster H, Peace D, Alba S, Le Sher D, Blum R, and Vilcek J. Modulation of monocyte functions by muramyl tripeptide phosphatidylethanolamine in a phase II study in patients with metastatic melanoma. *J Natl Cancer Inst.* 84(9):694-9, 1992.
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30. Hochster H, Liebes L, Speyer J, Sorich J, Taubes B, Oratz R, Wernz J, **Chachoua A**, Raphael B, Vinci RZ, and Blum RH. Phase I trial of low-dose continuous topotecan infusion in patients with cancer: An active and well-tolerated regimen. *J Clin Oncol.* 12:553-559, 1994.
31. Gollub MJ, Bosniak MA, Schlossberg P, **Chachoua A**. Extension of a secondary adrenal neoplasm into the inferior vena cava. *Abdom Imaging.* 19(4):359-60, 1994.
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34. Hochster H, Liebes L, Speyer J, Sorich J, Taubes B, Oratz R, Wernz J, **Chachoua A**, Blum R, Zeleniuch-Jacquotte A. Effect of Prolonged Topotecan Infusion on Topoisomerase I Levels: A Phase I and Pharmacodynamic Study. *Clin Can Res.* Vol. 8 1245-1252, 1997.
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36. Rosenthal MA, Dennis D, Liebes L, Furmanski P, Caron D, Garrison L, Wiprovnick J, Peace D, Oratz R, Speyer J, and **Chachoua A**. Biologic activity of Interleukin 1 (IL-1) alpha in patients with refractory malignancies. *J Immunother.* 21(5):371-378, 1998.
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40. Yang GC, Yee HT, Wu CD, Aye LM, **Chachoua A**. TIA-1+ cytotoxic large T-cell lymphoma of the mediastinum: case report. *Diagn Cytopathol.* 26(3):154-7, 2002.
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46. Probst S, Seltzer A, **Chachoua A**, Friedman K. Azygos venous tumor thrombus from renal cell carcinoma detected by F-18 FDG PET/CT. *Clin Nucl Med.* 2010 Oct;35(10):832-3.
47. Alpert JB, Nonaka D, **Chachoua A**, Pass HI, Ko JP. Increasing dyspnea due to an anterior mediastinal mass. *Chest.* 2011 Jan;139(1):217-23. No abstract available.

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49. Ballas MS, **Chachoua A**. Rationale for targeting VEGF, FGF, and PDGF for the treatment of NSCLC. *Oncotargets Ther*. 2011;4:43-58. Epub 2011 May 30.

B. Abstracts

1. **Chachoua A**, Dieterich D, and Newall J. 9-1, 3 Dihydroxy-2 Propoxymethyl Guanine (DHPG) in Patients with AIDS and CMV Infections. *Proc Am Soc Clin Onc*. 5:84, 1986.
2. Muggia F, **Chachoua A**, Green MD, Wernz JC, Laubenstein L, Krigel R. Oral 4-Demethoxydaunorubicin (DMDR) in Epidemic Kaposi's Sarcoma (EKS). *Proc Am Soc Clin Onc*. 5:136, 1986.
3. Dieterich DT, **Chachoua A**, Faust M, Moses M. Treatment of Cytomegalovirus Gastrointestinal Infections in AIDS Patients with 9-(1,3-Dihydroxy-2-Propoxy-Methyl) Guanine. *Gastroenterology*. 90(5):1395, 1986.
4. Dieterich DT, **Chachoua A**, Faust M. Difluoromethylornithine Treatment of Cryptosporidiosis in AIDS Patients. *Gastroenterology*. 90(5):1395, 1986.
5. **Chachoua A**, Dieterich DT. 9-1, 3 Dihydroxy-2 Propoxymethyl Guanine in Patients with AIDS and CMV Infections. *Clinical Research*. 34(2):514 A, 1986.
6. Laubenstein L, Raphael B, **Chachoua A**, Scholes J, Mouradian J, Metroka C. Clinical Manifestations of B-Cell Hyperplasia in Response to HTLV-III/LAV Infection. *Proc. International Conference on AIDS, Paris, France*. pp. 37, June 23, 24, 25, 1986.
7. Dieterich DT, **Chachoua A**, Greene J, Garay S. Eflornithine Treatment of Resistant Pneumocystis Carinii Pneumonia (PCP) in AIDS Patients. *Proc. International Conference on AIDS, Paris, France*. pp. 53, June 23, 24, 25, 1986.
8. **Chachoua A**, Dieterich DT, Wernz J, Muggia F. CMV infections in patients with AIDS treated with 9-1, 3 Dihydroxy-2 Propoxymethyl guanine. *Proc. International Conference on AIDS, Paris, France*. pp. 6, June 23, 24, 25, 1986.
9. Dieterich DT, Lafleur F, **Chachoua A**, Worrell C. Successful Therapy of Cytomegalovirus (CMV) Infections in Patients (Pts) with Acquired Immunodeficiency Syndrome (AIDS) with Ganciclovir. *III International Conference on Acquired Immunodeficiency Syndrome (AIDS)*. June 1-5, 1987.
10. **Chachoua A**, Green MD, Girman A, Ward C, Wernz J, Muggia FM. ICRF-187 in patients (pts) with AIDS and Kaposi's sarcoma (KS). *Proc Am Soc Clin Onc*. 6:A4, 1987.
11. Hochster H, Liebes L, Dieterich D, **Chachoua A**, Valentine F, Blum R. Pharmacokinetics of azidothymidine (AZT), 9-(1,3-Dihydroxy-2-propoxymethyl) guanine (DHPG), and doxorubicin (dox) combinations in Phase I trials. *European Conference on Clinical Aspects of HIV Infection*. Brussels, Belgium, December 10-11, 1987. Abstract 119.
12. **Chachoua A**, Hochster H, Green M, Ward C, Gutknecht, Chuang-Stein C, Nicholas J, Merritt J. Phase II trial of bropirimine (ABPP) in patients (pts) with AIDS related Kaposi's sarcoma. *Proc Am Soc Clin Onc*. 7:A21, 1988.
13. Green M, **Chachoua A**, Laubenstein L, Ward C, Flanagan S, Fischl M. Randomized study of gamma interferon (IFN) in patients (pts) with AIDS related Kaposi's sarcoma (KS). *Proc Am Soc Clin Onc*. 7:A10, 1988.

14. **Chachoua A**, Lafleur F, Downey A, Wernz J, Hymes K, Laubenstein L, Poiesz A, Friedman-Kein A. Randomized placebo controlled trial of ribavirin in patients (pts) with AIDS-KS and ARC. Proc Am Soc Clin Onc. 7:A9, 1988.
15. Liebes L, Hochster H, **Chachoua A**, Javitt NB. Azidothymidine glucuronidation by HEP-G2 cells. AFCR, 1988.
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18. Beller U, Speyer J, **Chachoua A**, Dugan M, Liebes L, Sorich J, and Beckman EM. Phase Ib study of low-dose intraperitoneal (ip) recombinant interleukin-2 (rIL-2) in patients (pts) with refractory advanced ovarian cancer-preliminary report. Society of Gynecologic Oncologists. February 5-9, 1988.
19. Walsh C, **Chachoua A**, Hochster H, Downey A, Wood D, Nadler P, Speyer J, Wernz J, Oratz R, Meyers M, and Blum RH. Phase I study of recombinant human tumor necrosis factor (rHTNF). Proc Am Soc Clin Onc. 8:753, 1989.
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29. Hochster H, Speyer J, Oratz R, Meyers M, Wernz J, **Chachoua A**, Raphael B, Lee R, Sorich J, Taubes B, Liebes L, Fry D, Blum R. Novel schedule for administration of topotecan (TPT): 21 day low dose continuous infusion (CI). Submitted for ECCO meeting in Jerusalem, November 1993.
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