

## CURRICULUM VITAE

1. **Date:** February 20, 2009

### I. PERSONAL

2. **Name:** Alan Pollack, M.D., Ph.D

4. **Office Phone:** 305-243-4916

6. **Current Academic Rank:** Professor and Chairman

7. **Primary Department:** Radiation Oncology

8. **Secondary or Joint Departmental Appointments:** Adjunct Professor of Radiation Oncology, Fox Chase Cancer Center, Philadelphia, PA (beginning 6/6/08)

9. **Citizenship:** U.S. Citizen

10. **Visa Type** (if non-citizen): N/A

### II. HIGHER EDUCATION

11. **Institutional (institution; degree; date conferred):**

University of Florida Gainesville, Florida	B.S. (Chemistry)	1974
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University of Miami Miami, Florida	Ph.D. (Microbiology & Immunology) "Radiation damage from radiolabeled compounds in stimulated lymphocytes"	1979
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University of Miami School of Medicine Miami, Florida	M.D.	1987
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12. **Non-Institutional (degree dates):**

Jackson Memorial Hospital Miami, Florida	Internship Internal Medicine	1987-1988
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University of Texas - M.D. Anderson Cancer Center Houston, Texas	Residency Radiation Therapy	1988-1992
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**13. Certification, licensure:**

Certification:

American Board of Radiology (Therapeutic Radiology) 1993

Licensure:

Florida 2008-Present

Texas 1992-2003

Pennsylvania 1991-Present

**III. EXPERIENCE**

**14. Academic (institutions; rank/status; dates):**

Papanicolaou Cancer Res. Inst. Research Assistant 1975-1976  
Miami, Florida

Univ. of Miami Sch. of Med. Graduate Research Assist. 1976-1979  
Dept. of Microbiology  
Miami, Florida

Univ. of Miami Sch. of Med. Graduate Teaching Assist. 1977  
Dept. of Microbiology  
General Microbiology Lab.  
Miami, Florida

Veterans Admin. Med. Center Research Health Scientist 1979-1985  
Surgical Immunology Lab.  
Miami, Florida

Univ. of Miami Sch. of Med. Adjunct Assistant Professor 1980-1983  
Department of Surgery  
Miami Florida

Univ. of Miami Sch. of Med. Adjunct Assistant Professor 1982-1984  
Dept. of Microbiol. & Immunol.  
Miami, Florida

Univ. of Miami Sch. of Med. Research Assistant Professor 1983-1985  
Department of Surgery  
Miami, Florida

University of Texas - M.D. Assistant Professor 1992-1995  
Anderson Cancer Center  
Dept. of Radiation Onc.

Houston, Texas		
University of Texas - M.D. Anderson Cancer Center Dept. of Radiation Oncology Houston, Texas	Associate Professor	1995-1999
University of Texas Grad. Sch. of Biomed. Sci. Houston, Texas	Regular Member of the Graduate Faculty	1995-2001
University of Texas - M.D. Anderson Cancer Center Dept. of Radiation Oncology Houston, Texas	Term Tenure	1998-2001
University of Texas - M.D. Anderson Cancer Center Dept. of Radiation Oncology Houston, Texas	Professor	1999-2001
Fox Chase Cancer Center Dept. of Radiation Oncology Philadelphia, PA	Senior Member & Chairman	2001-Present

**Visiting Professorships:**

Medical College of Georgia Dept. of Radiation Oncology Augusta, Georgia	Visiting Professor	1995 (Dec 6)
Stony Brook Sch. of Medicine Dept. of Radiation Oncology Stony Brook, New York	Visiting Professor	1998 (Feb 4)
Perth, Melbourne, Adelaide Several Centers of Radiation Oncology, Australia	Visiting Professor	1999 (May 14–22)
Fox Chase Cancer Center Dept. of Radiation Oncology Philadelphia, PA	Visiting Professor	2000 (Apr 12)

University of Pennsylvania Dept. of Radiation Oncology Philadelphia, PA	Visiting Professor	2001 (Sept 26)
Princess Margaret Hospital Dept. of Radiation Oncology Toronto, Canada	Visiting Professor	2002 (Feb. 21)
University of Virginia Dept. of Radiation Oncology Charlottesville, VA	Visiting Professor	2003 (Mar. 7)
Baylor College of Medicine Dept. of Radiation Oncology Houston, TX	Visiting Professor	2003 (May 23)
University of Chicago Dept. of Radiation Oncology Chicago, IL	Visiting Professor	2004 (Nov 15)
Henry Ford Health System Dept. of Radiation Oncology Detroit, MI	Visiting Professor	2005 (Jan 7)
University of Michigan Dept. of Radiation Oncology Ann Arbor, MI	Visiting Professor	2006 (Sept 18)
Southwestern Medical Center Dept. of Radiation Oncology Dallas, TX	Visiting Professor	2006 (Sept 29)
Geisinger Health System Dept. of Urology 100 North Academy Avenue Danville, PA	Visiting Professor	2007 (Jan 18)

MD Anderson Cancer Center Dept. of Radiation Oncology Houston, TX	Visiting Professor	2007 (Feb 21)
Montefiore Medical Center Dept. of Radiation Oncology Bronx, NY	Visiting Professor	2007 (Apr 26)
Mayo Clinic Dept. of Radiation Oncology Rochester, MN	Visiting Professor	2008 (Mar 7)
New York Presbyterian Hospital Dept. of Radiation Oncology New York, NY	Visiting Professor	2008 (Oct 24)

**15. Hospital Appointments (institutions, dates):**

U.T. – M.D. Anderson Cancer Center  
Houston, TX  
7/1988-6/2001

Fox Chase Cancer Center  
Philadelphia, PA  
6/2001- Present

Sylvester Comprehensive Cancer Center/  
University of Miami Hospital and Clinics  
Miami, FL  
9/2008 - Present

Jackson Memorial Medical Center  
Miami, Florida  
9/2008 - Present

University of Miami Hospital  
Miami, Florida  
9/2008 - Present

Anne Bates Leach Eye Hospital/ Bascom Palmer Eye Institute  
Miami, Florida  
06/09/2008 (Pending)

**16. Non-Academic (employers; title; responsibilities; dates): N/A**

17. **Military (branch; rank; responsibilities; dates):** N/A

**IV. PUBLICATIONS:** [all author(s) (actual precedence of authorship):  
title; publisher or journal name; date; page numbers]

**18. Books, Monographs, Book Chapters, Invited articles and Review Articles published:**

(\*Senior author of a resident or fellow)

1. **Pollack A**, Block NL, Irvin GL, Moulis A, Prudhomme DL. Flow cytometric analysis of cell kinetic responses using measurements of correlated DNA and nuclear protein. In: M Andreef (ed.), Clinical Cytometry, Annals of the New York Academy of Sciences 1986, Volume 468, pp. 55-66.
2. **Pollack A**, Ciancio G. Multiparameter cell cycle analysis of G2 blockade and cell death following irradiation. In: A Yen (ed.), Flow Cytometry: Advanced Research and Clinical Applications. Volume II, CRC Press, Inc., Boca Raton, FL 1989, pp. 29-48.
3. **Pollack A**, Ciancio G. Cell Cycle Phase Specific Analysis of Cell Viability Using Hoechst 33342 and Propidium Iodide After Ethanol Preservation. In: HA Crissman and Z Darzynkiewicz (eds.), Methods in Cell Biology, Academic Press, Inc., San Diego, CA, 1990, Volume 33, pp. 19-24.
4. **Pollack A**. Flow cytometric cell kinetic analysis by simultaneously staining nuclei with Propidium Iodide and Fluorescein Isothiocyanate. In: HA Crissman and Z Darzynkiewicz (eds.), Methods in Cell Biology, Academic Press, San Diego, CA, 1990, Volume 33, pp. 315-323.
5. Hall MC, **Pollack A**, Dinney CPN. Management of organ-confined bladder cancer. In: SN Rous (ed.), Urology Annual, W.W. Norton & Company, New York, NY, 1996, Volume 10, pp. 93-106.
6. Loehrer P, Ahlering T, **Pollack A**. Testicular seminomas. In: R Pazdur, L Coia, L Wagman, W Hoskins (eds.), Cancer Management: A Multidisciplinary Approach. PRR Treatment Handbook. PRR, Huntington, NY, 1997 (also 1998, 1999, & 2000 editions), (Chapter 18 2000 edition) pp. 329-345.
7. **Pollack A**, Hanks GE. Androgen ablation and radiotherapy for high risk prostate cancer. In: AV D'Amico and GE Hanks (eds.), Radiotherapeutic Management of Prostate Adenocarcinoma. Chapman & Hall, New York, NY, Volume 1, pp. 167-180, 1999.
8. **Pollack A**, Zagars GK. Pre-treatment prognostic factors for prostate cancer patients treated with external beam radiotherapy. In: C Greco and MJ Zelefsky (eds.), Radiotherapy of Prostate Cancer. Harwood Academic Publishers, Singapore, Chapter 10, pp. 113-128, 2000.
9. Hunt KK, Patel SR, **Pollack A**. Soft tissue sarcomas. In: MH Torosian and M Dekker, (eds.), Integrated Cancer Management: Surgery, Medical Oncology and Radiation Therapy. New York, NY, Chapter 16, pp. 394-415, 2000.
10. Yasko A, Patel S, **Pollack A**, Pollock, R. Sarcomas of soft tissue and bone. In: ACS Manual of Clinical Oncology, 2<sup>nd</sup> ed. Chapter 26 pp. 611-631, 2000.

11. **Pollack A**, Smith, L. MD Anderson prostate 3-D CRT experience. In: JA Purday, WH Grant III, J Palta, EB Buter, C Perez (eds.) 3-D Conformal and Intensity Modulated Radiation Therapy: Physics and Clinical Applications. Advanced Medical Publishing, Inc., Madison, WI, 2001.
12. \*Ballo MT, Shadle K, **Pollack A**. Radiotherapy in the management of seminoma. In: SS Donley (ed.), Atlas of Genitourinary Oncology. W.B. Saunders Company, Philadelphia, PA 2002.
13. **Pollack A**, Smith LG. Adjuvant external beam radiation therapy postprostatectomy. In: AV D'Amico, P Carroll, PW Kantoff (eds.), Prostate Cancer. Lippincott Williams & Wilkins, Philadelphia, PA 2002, pp 45-463.
14. Loehrer PJ, Ahlering TE, **Pollack A**. Testicular cancer. In: R Pazdur, LR Coia, WJ Hoskins, LD Wagman (eds.), Cancer Management: A Multidisciplinary Approach. PRR, Melville, Kentucky 2002, pp 351-369.
15. **Pollack A**. The prostate: In: JD Cox, KK Ang (eds), Moss' Radiation Oncology, Rationale, Technique, Results, Eighth Edition. Mosby, St. Louis, MO 2003, pp 629-678.
16. **Pollack A**, Horwitz EM, Movsas B, Hanlon AL. Mindless or mindful? Radiation oncologists' perspective on the evolution of prostate cancer. In: A. Krongrad (ed.), Urologic Clinics of North America, WB Saunders, Philadelphia, PA 2003, pp. 337-349.
17. **Pollack A**, Price RA. IMRT for prostate cancer. In: JR Palta and TR Mackie (eds.), Intensity-Modulated Radiation Therapy The State of the Art. Medical Physics Publishing, Madison, Wisconsin, 2003, pp 617-630.
18. Loehrer PJ, Ahlering TE, **Pollack A**. Testicular cancer. In: R Pazdur, LR Coia, WJ Hoskins, LD Wagman (eds.), Cancer Management: A Multidisciplinary Approach, Seventh Edition. The Oncology Group, NY, NY 2003, pp 383-402.
19. Uzzo RG, Cairns P, Dulin N, Horwitz EM, **Pollack A**, Kolenko V. Tumor resistance to apoptosis: Mechanisms of evasion and implications for radiation and chemotherapeutic strategies. In: JF Finke and RM Bukowski (eds.), Cancer Immunotherapy at the Crossroads: How Tumors Evade Immunity and What Can Be Done. Humana Press, Inc., Totowa, NJ 2003, pp215-233.
20. **Pollack A.**, Price R, Dong L, Feigenberg S, Horwitz E. Intact prostate cancer: Overview In: AJ Mundt and JC Roeske (eds.), Intensity Modulated Radiation Therapy: A Clinical Perspective. BC Decker, Inc, ON, Canada 2005, pp 436-448.
21. Price RA, Horwitz EM, Feigenberg SJ, **Pollack A**. Intact prostate cancer: Case Study. In: AJ Mundt and JC Roeske (eds.), Intensity Modulated Radiation Therapy: A Clinical Perspective. BC Decker, Inc, ON, Canada 2005, pp 459-463
22. Feigenberg SJ, **Pollack A**, Price RA, McNeeley SW, Horwitz EM. Prostate. In: KS Clifford Chao, S Apisarnthanarax, G Ozyigit (eds.), Practical Essentials of Intensity Modulated Radiation Therapy, Second Edition. Lippincott Williams & Wilkins, Philadelphia, PA 2004.
23. Loehrer PJ, Ahlering TE, **Pollack A**. Testicular cancer. In: R Pazdur, LR Coia, WJ Hoskins, LD Wagman (eds.), Cancer Management: A Multidisciplinary Approach, Ninth Edition. The Oncology Publishing Group, Lawrence, KS, 2005, pp 407-427.

24. **Pollack, A.** Adjuvant and salvage radiotherapy post-prostatectomy. In: NJ Vogelzang, PT Scardino, WU Shipley, FMJ Debruyne, WM Linehan. (eds.), Comprehensive Textbook of Genitourinary Oncology Third Edition. Lippincott Williams & Wilkins, Baltimore, MD 2005, pp295-306.
25. \*Buyyounouski MK, Horwitz EM, Price RA, Feigenberg SJ, **Pollack A.** Prostate IMRT . In: Image-Guided IMRT. T Bortfeld, R Schmidt-Ullrich, W de Neve (eds.), Springer-Verlag Heidelberg, Germany, 2006, pp 391-410.
26. Buyyounouski MK and **Pollack A.** External Beam Radiotherapy for Prostate Cancer. In Atlas of the Prostate; 3rd Ed., PT. Scardino, KM Slawin (eds.), Current Medicine LLC, Philadelphia, USA, 2006, pp 193-213.
27. Horwitz EM, Feigenberg SJ, **Pollack A.** Initial management of high risk early stage prostate cancer: Radiation. In: Prostate Cancer – Principles and Practice. Kirby RS, Partin AW, Feneley M, and Parsons JK, eds. Boca Raton: Taylor & Francis, 2006, pp 855-863.
28. Abramowitz MC, Pollack A. Postprostatectomy radiation therapy for prostate cancer. Semin Radiat Oncol. 2008, vol 18, pp 15-22.
29. D'Ambrosio DJ, Pollack A, Harris EE, Price RA Jr, Verhey LJ, Roach M 3rd, Demanes DJ, Steinberg ML, Potters L, Wallner PE, Konski A. Assessment of external beam radiation technology for dose escalation and normal tissue protection in the treatment of prostate cancer. Int J Radiat Oncol Biol Phys. 2008, vol 70, pp 671-677.

**19. Juried or refereed journal articles or exhibitions:**

(\*Senior author of a resident or fellow)

1. Gratzner HG, **Pollack A,** Ingram DJ, Leif RC. Deoxyribonucleic acid replication in single cells and chromosomes by immunologic techniques. J. Histochem. Cytochem. 24:34-9, 1976.
2. **Pollack A,** Bagwell CB, Hudson JL, Irvin III GL. Differences in flow cytometry and <sup>3</sup>H-thymidine analyses of perturbed human lymphocytes. J. Histochem. Cytochem. 27:486-490, 1979.
3. **Pollack A,** Bagwell CB, Irvin III GL. Radiation from tritiated thymidine perturbs the cell cycle progression of PHA stimulated lymphocytes. Science 203:1025-1027, 1979.
4. **Pollack A,** Bagwell CB, Irvin III GL and Jensen JA. The kinetics of the formation of a G2 block from <sup>3</sup>H-TdR in PHA stimulated human lymphocytes. Cytometry 1:57-64, 1980.
5. Collins JM, Bagwell CB, Block NL, Claflin AJ, Irvin III GL, **Pollack A,** and Stover B Flow cytometric monitoring of R-3327 rat prostate carcinoma. Invest. Urol. 19:8-13, 1981.
6. **Pollack A,** Bagwell CB, Block NL, Irvin III GL, Stover BJ, Claflin AJ. Flow cytometric analysis of the response of the R3327-G rat prostatic adenocarcinoma to endocrine manipulation. J. Surg. Oncol. 18:389-398, 1981.
7. Claflin AJ, **Pollack A,** Malinin T, Block NL, Irvin III GL. Flow cytometric analysis of R3327 rat prostate adenocarcinoma grown in vitro and in vivo. J. Nat. Cancer Inst. 69:79-87, 1982.

8. **Pollack A**, Irvin III GL, Block NL, Stover BJ, Lipton RM, Claflin AJ. Hormone sensitivity of the R3327-G rat prostate carcinoma growth rate, DNA content, and hormone receptors. Cancer Res. 42:2184-2190, 1982.
9. **Pollack A**, Prudhomme D, Greenstein D, Irvin III GL, Claflin AJ, Block NL. Flow cytometric analysis of RNA content in different cell populations using pyronin Y and methyl green. Cytometry. 3:28-35, 1982.
10. **Pollack A**, Block NL, Stover BJ, Irvin III GL, Fuentes MP, Claflin AJ, Malinin TI. The in vivo selection of androgen-insensitive cells in R3327-G rat prostate tumors: Diethylstilbestrol diphosphate versus orchiectomy. J. Nat. Cancer Inst. 70:907-914, 1983.
11. **Pollack A**, Block NL, Stover BJ, Fuentes MP, Irvin III GL. Effects of the gonadotropin-releasing hormone GnRH agonist [D-leu-6, desgly-amino-10, pro-ethylamide-9]-GnRH (leuprolide) on R3327-G rat prostatic tumor growth. J. Urol. 131:399-403, 1984.
12. **Pollack A**, Moulis H, Block NL, Irvin III GL. Quantitation of cell kinetic responses using flow cytometry to simultaneously measure DNA and nuclear protein. Cytometry 5:473-481, 1984.
13. **Pollack A**, Block NL, Irvin III GL. Tumor progression in serial passages of the Dunning R3327-G rat prostatic adenocarcinoma: Growth rate response to endocrine manipulation. Cancer Res. 45:1052-1057, 1985.
14. **Pollack A**, Moulis H, Greenstein DB, Block NL, Irvin III GL. Cell kinetic effects of incorporated <sup>3</sup>H-thymidine on proliferating human lymphocytes: Flow cytometric analysis using the DNA/nuclear protein method. Cytometry 6:428-436, 1985.
15. Sevin BU, **Pollack A**, Averette, HE, Ramos R, Greening SE, Evans D. In vivo chemosensitivity testing in patients with gynecologic malignancies and nude mouse xenografts by monitoring cell kinetic parameters and DNA distribution patterns: A preliminary report. Gynecol. Oncol. 24:27-40, 1986.
16. Sevin BU, **Pollack A**, Averette HE, Ramos R, Donato D. In vivo cell kinetic effects of Cis-platinum on human ovarian cancer xenografts using dual parameter flow cytometry. Cytometry 8:153-162, 1987.
17. \*Ciancio G, **Pollack A**, Taupier MA, Block NL, Irvin III GL. Measurement of cell cycle phase specific cell death using Hoechst 33342 and propidium iodide: Preservation by ethanol fixation. J. Histochem. Cytochem. 36:1147-52, 1988.
18. Wolloch EH, Sevin BU, Perras JP, Gottlieb CF, **Pollack A**, Ramos R, Schiano MA, Averette, HE. Cell kinetic perturbations after irradiation and caffeine exposure in BG-1 ovarian carcinoma cells. Gynecol. Oncol. 43:29-36, 1991.
19. **Pollack A**, El-Naggar A, Cox JD, Ro JY, Sahine A, Komaki R. Thymoma: The prognostic significance of flow cytometric DNA analysis. Cancer 69:1702-1709, 1992.
20. **Pollack A**, Komaki R, Cox JD, Shin DM, Putnam W, Ro JY. Thymoma: Treatment and prognosis. The experience at UTMD Anderson Cancer Center. Int. J. Rad. Oncol. Biol. Phys. 23:1037-1043, 1992.
21. **Pollack A**, Terry NHA, Van NT, Meistrich ML. Flow cytometric analysis of two incorporated halogenated thymidine analogues and DNA in a mouse mammary tumor grown in vivo. Cytometry. 14:168-172, 1993.

22. \*Ciancio G, **Pollack A**, Block NL. Flow cytometric analysis of DNA and nuclear protein in paraffin-embedded tissue. Cytometry. 14:205-209, 1993.
23. **Pollack A**, Ciancio G, Terry NHA, Block NL. Recognition and reduction of artifacts from autolysis in paraffin-embedded tissue using DNA/nuclear protein flow cytometry. Cytometry 14:565-568, 1993.
24. Zagars GK, **Pollack A**. The fall and rise of prostate-specific antigen: Kinetics of serum prostate-specific antigen levels after radiation therapy for prostate cancer. Cancer 72:832-842, 1993.
25. **Pollack A**, White RA, Cao S, Meistrich ML, Terry NHA. Calculating potential doubling time using monoclonal antibodies specific for two halogenated thymidine analogues. Int. J. Rad. Oncol. Biol. Phys. 27:1131-1139, 1993.
26. **Pollack A**, Terry NHA, White RA, Cao S, Meistrich ML, Milas L. Proliferation kinetics of recruited cells in a mouse mammary carcinoma. Cancer Res. 54:811-817, 1994.
27. \*Gauwitz MD, **Pollack A**, El-Naggar AK, Terry NHA, Zagars GK. The prognostic significance of DNA ploidy in clinically localized prostate cancer treated with radiation therapy. Int. J. Radiat. Oncol. Biol. Phys. 28:821-828, 1994.
28. **Pollack A**, Zagars GK, El-Naggar A, Gauwitz MD, Terry NHA. Near-Diploidy: A new prognostic factor for clinically localized prostate cancer treated with external beam radiotherapy. Cancer 73:1896-1903, 1994.
29. Zagars GK, Geara FB, **Pollack A**, von Eschenbach AC. The T classification of clinically localized prostate cancer. An appraisal based on disease outcome following radiation therapy. Cancer 73:1904-1912, 1994.
30. Zagars GK, **Pollack A**. The serum prostate-specific antigen level three months after radiotherapy for prostate cancer: An early indicator of response to treatment. Radioth. Oncol. 30:121-127, 1994.
31. White RA, **Pollack A**, Terry NHA. Simultaneous cytokinetic measurement of aneuploid tumors and associated diploid cells following continuous labelling with chlorodeoxyuridine. Cytometry 15:311-319, 1994.
32. Zagars GK, Sands ME, **Pollack A**, von Eschenbach AC. Early androgen ablation for stage D1 (N1 to N3, M0) prostate cancer: Prognostic variables and outcome. J. Urol. 151, 1330-2333, 1994.
33. Park HE, Shin DM, Lee JS, Komaki R, **Pollack A**, Putnam JB, Cox JD, Hong WK. Thymoma. A retrospective study of 87 cases. Cancer 73:2491-2498, 1994.
34. Sands ME, Zagars GK, **Pollack A**, von Eschenbach AC White RA, **Pollack A**, Terry NHA, Cao S, Meistrich ML. Double labelling to obtain S-phase subpopulations: Application to determine cell kinetics of diploid cells in an aneuploid tumor. Cell Prolif. 27:123-137, 1994.
35. Sands ME, Zagars GK, **Pollack A**, von Eschenbach AC. Serum prostate-specific antigen, clinical stage, pathologic grade and the incidence of nodal metastases in prostate cancer. Urology 44:215-220, 1994.
36. **Pollack A**, Zagars GK, Kavadi VS. Prostate specific antigen doubling time and disease relapse after radiotherapy for prostate cancer. Cancer 74:670-678, 1994.

37. **Pollack A**, Zagars GK, Swanson DA. Muscle-invasive bladder cancer treated with external beam radiotherapy: Prognostic factors. Int. J. Radiat. Oncol. Biol. Phys. 30:267-277, 1994.
38. Geara FB, Zagars GK, **Pollack A**. Influence of initial presentation on treatment outcome of clinically localized prostate cancer treated by definitive radiation therapy. Int. J. Radiat. Oncol. Biol. Phys. 30:331-337, 1994.
39. Kavadi VS, Zagars GK, **Pollack A**. Serum prostate-specific antigen after radiation therapy for clinically localized prostate cancer: Prognostic implications. Int. J. Radiat. Oncol. Biol. Phys. 30:279-287, 1994.
40. **Pollack A**, Zagars GK, Dinney CP, Swanson DA, von Eschenbach AC. Preoperative radiotherapy for muscle-invasive bladder cancer: Long term Follow-up and prognostic factors for 338 patients. Cancer 74:2819-2827, 1994.
41. **Pollack A**, Zagars GK, El-Naggar A, Terry NHA. Relationship of tumor DNA-ploidy to serum prostate-specific antigen doubling time after radiotherapy for prostate cancer. Urology 44:711-718, 1994.
42. Hall MC, Troncoso P, **Pollack A**, Zhau HYE, Zagars GK, Chung LWK, von Eschenbach AC. Significance of tumor angiogenesis in clinically localized prostate carcinoma treated with external beam radiotherapy. Urology 44:869-875, 1994.
43. \*Sands ME, **Pollack A**, Zagars GK. Influence of radiotherapy on node-positive prostate cancer treated with androgen ablation. Int. J. Radiat. Oncol. Biol. Phys. 31:13-19, 1995.
44. Zagars GK, Ayala AG, von Eschenbach AC, **Pollack A**. The prognostic importance of Gleason grade in prostatic adenocarcinoma: A long-term follow-up study of 648 patients treated with radiation therapy. Int. J. Radiat. Oncol. Biol. Phys. 31:237-245, 1995.
45. Hall MC, Navone NM, Troncoso P, **Pollack A**, Zagars GK, von Eschenbach AC, Conti CJ, Chung LWK. Frequency and characterization of p53 mutations in clinically localized prostate cancer. Urology 45:470-475, 1995.
46. Zagars GK, **Pollack A**. Radiation therapy for T1 and T2 prostate cancer: Prostate-specific antigen and disease outcome. Urology 45:476-483, 1995.
47. **Pollack A**, Zagars GK, Kopplin S. Radiotherapy and androgen ablation for clinically localized high risk prostate cancer. Int. J. Radiat. Oncol. Biol. Phys. 32:13-20, 1995.
48. **Pollack A**, Terry NHA, Wu CS, Wise BM, White RA, Meistrich ML. Specific staining of iododeoxyuridine and bromodeoxyuridine in tumors double-labelled in vivo: A cell kinetic analysis. Cytometry 20:53-61, 1995.
49. Zagars GK, Kavadi VS, **Pollack A**, von Eschenbach AC, Sands ME. The source of pre-treatment serum prostate-specific antigen in clinically localized prostate cancer - T, N, or M? Int. J. Radiat. Oncol. Biol. Phys. 32:21-32, 1995.
50. \*Cole CJ, **Pollack A**, Zagars GK, Dinney CP, Swanson DA, von Eschenbach AC. Local control of muscle-invasive bladder cancer: Preoperative radiotherapy and cystectomy versus cystectomy alone. Int. J. Radiat. Oncol. Biol. Phys. 32:331-340, 1995.
51. Zagars GK, **Pollack A**, Kavadi VS, von Eschenbach AC. Prostate-specific antigen and radiation therapy for clinically localized prostate cancer. Int. J. Radiat. Oncol. Biol. Phys. 32:293-306, 1995.

52. Zagars GK, **Pollack A**, von Eschenbach AC. Prostate cancer and radiation therapy - The message conveyed by serum prostate-specific antigen. Int. J. Radiat. Oncol. Biol. Phys. 33:23-25, 1995.
53. **Pollack A**, Zagars GK, Cole CJ, Dinney CPN, Swanson DA, Grossman HB. The relationship of local control to distant metastasis in muscle-invasive bladder cancer. J. Urol. 154:2059-2064, 1995.
54. \*Lankford SP, **Pollack A**, Zagars GK. Radiotherapy for regionally localized hormone refractory prostate cancer. Int. J. Radiat. Oncol. Biol. Phys. 33:907-912, 1995.
55. **Pollack A**, Zagars GK, Starkschall G, Childress CH, Kopplin S, Boyer AL, Rosen II. Conventional versus conformal radiotherapy for prostate cancer: Preliminary results of dosimetry and acute toxicity. Int. J. Radiat. Oncol. Biol. Phys. 34:555-564, 1996.
56. \*Wu CS, **Pollack A**, Czerniak BA, Chyle V, Zagars GK, Dinney CP, Benedict WF. Prognostic value of p53 in muscle-invasive bladder cancer treated with preoperative radiotherapy. Urology 47:305-310, 1996.
57. **Pollack A**, Lankford S, Zagars GK, Babaian RJ. PSA density as a prognostic factor in prostate cancer patients treated with radiotherapy. Cancer 77:1515-1523, 1996.
58. Zagars GK, Mullen JR, **Pollack A**. Malignant fibrous histiocytoma: Outcome and prognostic factors following conservation surgery and radiotherapy. Int. J. Radiat. Oncol. Biol. Phys. 34:983-994, 1996.
59. \*Chyle V, **Pollack A**, Czerniak B, Stephens LC, Zagars GK, Terry NHA, Meyn RE. Apoptosis and downstaging after preoperative radiotherapy for muscle-invasive bladder cancer. Int. J. Radiat. Oncol. Biol. Phys. 35:281-287, 1996.
60. Zagars GK, Goswitz MS, **Pollack A**. Liposarcoma: Outcome and prognostic factors following conservation surgery and radiation therapy. Int. J. Radiat. Oncol. Biol. Phys. 36:311-319, 1996.
61. Zagars GK, **Pollack A**, von Eschenbach AC. Serum Testosterone - A significant determinant of metastatic relapse for irradiated localized prostate cancer. Urology 49:327-334, 1996.
62. **Pollack A**, Troncoso P, Zagars GK, von Eschenbach AC, Mak AC, Wu CS, Terry NHA. The significance of DNA-ploidy and S-phase fraction in node-positive (Stage D1) prostate cancer treated with androgen ablation. Prostate 31:21-28, 1997.
63. **Pollack A**, Zagars GK, Cole CJ, Dinney CP, Swanson DA, Grossman HB. Significance of downstaging in muscle-invasive bladder cancer treated with preoperative radiotherapy. Int. J. Radiat. Oncol. Biol. Phys. 37:41-50, 1997.
64. Zagars GK, **Pollack A**, von Eschenbach AC. Prognostic factors in clinically localized prostate cancer. Analysis of 938 patients irradiated in the PSA era. Cancer 79:1370-1380; 1997.
65. **Pollack A**, Joon DL, Wu CS, Sikes C, Hasegawa M, Terry NHA, White A, Zagars GK, Meistrich ML. Quiescence in R3327-G rat prostate tumors after androgen ablation. Cancer Res. 57:2493-2500, 1997.
66. \*Lankford SP, **Pollack A**, Zagars GK. Prostate specific antigen cancer volume: A significant prognostic factor in prostate cancer patients at intermediate risk of failing radiotherapy. Int. J. Radiat. Oncol. Biol. Phys. 38:327-333, 1997.

67. Zagars GK, **Pollack A**, von Eschenbach AC. Management of unfavorable locoregional prostate carcinoma with radiation and androgen ablation. Cancer 80:764-775, 1997.
68. \*Lim Joon D, Hasagawa M, Sikes C, Khoo VS, Terry NHA, Zagars GK, Meistrich ML, **Pollack A**. Supra-additive apoptotic response of R3327-G rat prostate tumors to androgen ablation and radiation. Int. J. Radiat. Oncol. Biol. Phys. 38:1071-1077, 1997.
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176. Chen L., Mu Z., Hachem P., Konski A., Freedman G., Ma C., **Pollack A.** MR Guided Focused Ultrasound for Cancer Therapy: Enhancement of Drug Delivery in Prostate Tumor *In Vivo*. Int. J. Radiat. Oncol. Biol. Phys. 72 (Suppl):S548-S549, 2008

### **Letters to the Editor**

1. **Pollack A**, Zagars GK, Sands ME. In response to editorial by Dr. M.V. Pilepich: Local treatment for prostate cancer - 90 years later. Int. J. Radiat. Oncol. Biol. Phys. 31:436, 1995.
2. Zagars GK, **Pollack A**, von Eschenbach AC, Ayala AG. In response to Drs. Hammond and Grignon: Gleason grade and other prognostic factors. Int. J. Radiat. Oncol. Biol. Phys. 31:435-436, 1995.
3. **Pollack A**, Zagars GK, Sands ME. In response to Drs. Wiegel and Bressel. Androgen-ablation for node-positive prostate cancer: The case for radiotherapy. Int. J. Radiat. Oncol. Biol. Phys. 32:896-897, 1995.
4. **Pollack A**, Zagars GK. Letter to the editor: Concerning prostate cancer cover story. TIME Magazine, p. 4, April 22, 1996.
5. **Pollack A**, Chaney A, Zagars GK. In response to Dr. Powell. Radiat. Oncol. Invest. 6:289-290, 1998.
6. **Pollack A**, Horwitz EM. Letter to the editor, RE: "Long-term urinary function after transperineal brachytherapy for patients with large prostate glands." Int. J. Radiat. Oncol. Biol. Phys. 53:512-513, 2002.
7. **Pollack A.**, Zagars GK, Antolak J, Kuban D, Rosen I. In response to Drs. Kagan and Schulz: Int. J. Radiat. Oncol. Biol. Phys. 55:1151-1152, 2003.
8. **Pollack A**, Zagars GK, Antolak J, Kuban D, Rosen I. In response to Drs. Millar and Williams: Int. J. Radiat. Oncol. Biol. Phys. 55:1461-1462, 2003.
9. **Pollack A.** In response to Drs. Lawrence and Crawford: Int. J. Radiat. Oncol. Biol. Phys. 57:1511, 2003.
10. Buyyounouski M, Hanlon AL, Uzzo RG, **Pollack A.** Letter to the editor, RE: "Improved clinical staging system combining biopsy laterality and TNM stage for men with T1c and T2 Prostate Cancer: Results from the search database." J. Urol. 171:1246-1247, 2004.
11. Horwitz EM, Feigenberg SJ, **Pollack A**, Hanks GE, Uzzo RG. Letter to the editor, RE: "6-month androgen suppression plus radiation therapy alone for patients with clinically localized prostate cancer: a randomized controlled trial." JAMA 292: 2084-2085, 2004.
12. Buyyounouski M, Hanlon AL, **Price RA**, Horwitz EM, Feigenberg SJ, **Pollack A.** Letter to the editor RE: "Erectile dysfunction and radiation dose to penile base structures: a lack of correlation." Int. J. Radiat. Oncol. Biol. Phys. 60:1664-1665, 2004.
13. **Pollack A**, Eade TM, Hanlon AL, Horwitz EM, Buyyounouski MK, Hanks GE. Response to letters to the editor RE: "What external beam radiation dose is high enough for prostate cancer?" Int. J. Radiat. Oncol. Biol. Phys. 68: 682-689, 2007.

**21. Other works accepted for publication:**

**V. PROFESSIONAL**

**22. Funded Research Performed (include all grants received in the last five years, identifying the principal investigator, and the amounts and dates of the awards):**

**Grant and Contract Support Active:**

Role:	Principal Investigator	2003-2009
Source:	NIH: R01 CA101984-01	
Title:	“Radiation, Hormones & Antisense Prostate Cancer Therapy”	
Amount:	\$2,450,605 (Direct cost)	
Role:	Principal Investigator	2003-2008
Source:	Varian Medical Systems	
Title:	“Radiosensitization using antisense strategies that replace or counterbalance abnormalities in the expression of proteins in the apoptotic pathway”	
Amount:	\$66,000 (Annual total cost)	
Role:	Principal Investigator	2003-2008
Source:	Varian Medical Systems	
Title:	“Database Management and Statistics”	
Amount:	\$30,000 (Annual total cost)	
Role:	Co-Principal Investigator	2003-2008
Source:	Varian Medical Systems (PI: C. Ma)	
Title:	“Laser Accelerated Proton Beams”	
Amount:	\$59,500 (Annual total cost)	
Role:	Co-Principal Investigator	2003-2008
Source:	Varian Medical Systems (PI: C. Ma)	
Title:	“Energy and Intensity Modulated Electron Therapy”	
Amount:	\$63,125 (Annual total cost)	
Role:	Co-Principal Investigator	2005-2008
Source:	NIH: 1R01CA109556-01A1 (PI: M. Ritter)	
Title:	“Biomarkers of Prostate Cancer Radiation Response”	
Amount:	\$403,249 (FCCC budget)	
Role:	Co-Investigator	2005-2009
Source:	NIH: 1R01CA108890-01A1 (PI: V. Kolenko)	
Title:	Role of Zinc in Prostate Carcinogenesis	
Amount:	\$1,201,740	
Role:	Principal Investigator	1/2006-1/2009
Source:	Commonwealth Universal Research Enhancement	
Title:	Biomarkers for Prostate Cancer Treatment with Radiation and Hormone Therapy	
Amount:	\$260,412 (Total cost)	

Role: Co-investigator 2008-2011  
Source: DOD Idea Development Award PC073127 (PI: L. Chen)  
Title: "MR-Guided, Pulsed, High-Intensity, Focused Ultrasound Enhancement of Gene Therapy Combined with Androgen Deprivation and Radiotherapy for Prostate Cancer Treatment"  
Amount: \$375,000 (Direct cost)

Role: Principal Investigator 2009-2012  
Source: DOD New Investigator Award PC081170  
Title: "Preclinical Investigations of a Novel Small Molecule Radiosensitizer of Prostate Cancer"  
Amount: \$392,229 (Total Budget)

**Grant and Contract Support Completed Since 2001:**

Role: Principal Investigator 1998-2001  
Source: DOD (DAMD 17-98-1-8483)  
Title: "The molecular mechanism of the supra-additive apoptotic response of prostate cancer to androgen ablation and radiotherapy"  
Amount: \$422,865 (Direct cost)

Role: Principal Investigator 1999-2001  
Source: MD Anderson PRS Executive Council Award (4-3721189)  
Title: "Sensitization of prostate cancer response to radiation using gene therapy"  
Amount: \$34,900 (Intra-institutional, Total cost)

Role: Co-Principal Investigator 2001-2004  
Source: Siemens (PI: C. Ma)  
Treatment Therapy Research  
Amount \$144,000

Role: Co-Principal Investigator 2001-2003  
Source: Nomos (PI: C. Ma)  
Title: "Treatment Planning Research"  
Amount: \$21,920 (Total cost)

Role: Principal Investigator 2002-2004  
Source: Genta Incorporated  
Title: "Antisense bcl-2 as a sensitizer of prostate cancer cells to androgen deprivation and/or radiation"  
Amount: \$25,000 (Total cost)

Role:	Co- Investigator	2002-2006
Source:	NIH: R01 CA78331 (PI: C. Ma) "Monte Carlo tools for intensity modulated radiotherapy"	
Amount:	\$450,000 (Direct cost)	
Role:	Principal Investigator	2002--2006
Source:	DOD Award #DAMD17-03-1-0083 (PC020427) "Sensitization of prostate cancer cells to androgen deprivation and radiation via manipulation of the MDM2 pathway"	
Amount:	\$630,000	
Role:	Co-Principal Investigator	2002-2005
Source:	Radionics (PI: C. Ma)	
Title:	IMRT Treatment Planning	
Amount:	\$266,500 (Total cost)	
Role:	Principal Investigator	2003-2004
Source:	Pennsylvania Department of Health	
Title:	"Prostate cancer cell killing with androgen deprivation and radiation"	
Amount:	\$215,650 (Direct cost)	
Role:	Principal Investigator	2003-2005
Source:	Pennsylvania Department of Health, funded through the American College of Radiology,	
Title:	"Biomarkers of prostate cancer response to radiation and hormone therapy"	
Amount:	\$266,289 (Direct cost)	
Role:	Co-Principal Investigator	2003-2004
Source:	Siemens (PI: C. Ma)	
Title:	"CT-on-Rails – Image Guided Radiotherapy Research"	
Amount:	\$130,000 (Total cost)	
Role:	Co-Principal Investigator	2004-2005
Source:	CMS (PI: C. Ma)	
Title:	"IMRT Clinical Performance Evaluation"	
Amount:	\$75,000 (Total cost)	
Role:	Co-Investigator	2003-2005
Source:	Philips (PI: L. Chen)	
Title:	"MRI simulation"	
Amount:	\$80,000 (Total cost)	
Role:	Co-investigator	2004-2007
Source:	DOD Award #W81xwh-04-1-0023 (PI: L. Chen)	
Title:	"MR Imaging Based Treatment Planning for Radiotherapy of Prostate Cancer"	
Amount:	\$381,414 (Direct cost)	

Role: Prostate Cancer Program/Working Group Leader 2005-2008  
The Prostate Cancer Program has been rolled into the  
Developmental Therapeutics Program, but the Working  
Group continues  
Source: NIH: P30 CA006927 (PIs: R. Young/M. Seiden)  
Fox Chase Comprehensive Cancer Center Program  
Amount: Salary Support

**Grant and Contract Support Pending:**

Role: Principal Investigator 2009-2011  
Source: NIH 1R21CA133632-01A1  
Title: “Biomarker Models of Prostate Cancer Outcome After Radiotherapy”  
Priority Score: 145 (6.4%)

**Grant Study Sections/External Advisor Meetings:**

PO1 Site Visit Review Team, Department of Human Oncology, University of Wisconsin,  
Madison, WI, June 5-6, 2000  
PO1 Site Visit Review Team, Department of Radiation Oncology, Memorial Sloan Kettering  
Cancer Center, March 5-7, 2002.  
Ad-hoc participant NCI Scientific Review Group Subcommittee D, Clinical Research Studies  
Meeting, Washington DC, April 25, 2002.  
Ad-hoc participant NCI Grant Review – teleconference, January 8, 2003.  
Ad-hoc participant NIH Bioengineering Study Section, Washington, DC, June 14, 2004.  
Ad-hoc participant NIH Radiation Therapeutics and Biology Study Section, Ventura, CA, 1/28-  
1/29/05  
Ad-hoc participant NIH Radiation Therapeutics and Biology Study Section, Bethesda, MD, 6/26  
– 6/28/05  
Ad-hoc participant NIH Radiation Therapeutics and Biology Study Section, Bethesda, MD,  
10/31 – 11/1/05  
Ad-hoc participant NIH Radiation Therapeutics and Biology Study Section, Washington, DC,  
1/29 – 1/30/07  
Ad-hoc participant NIH Radiation Therapeutics and Biology Study Section, Bethesda, MD, 10/8  
– 10/9/07  
Member, Prostate SPORE External Advisor meeting, Mayo Clinic, March 6, 2008

**23. Editorial responsibilities [with inclusive dates]:**

Ad Hoc reviewer for several journals such as JNCI, J Urol, Urology, 1998-Present  
Radioth Oncol Editorial Board: Int J Radiat Oncol Biol Phys  
Guest Co-editor: Special Section of the Int J Radiat Oncol Biol Phys 2000  
(vol 48, pp 427, 2000), 2<sup>nd</sup> Annual S. Takahashi Memorial 3DCRT  
Conference, Nagoya, Japan

Guest Co-editor: Special Section of the <u>Int J Radiat Oncol Biol Phys</u> (vol 56, pp 82, 2003), 3 <sup>rd</sup> Annual S. Takahashi Memorial 3DCRT Conference, Nagoya, Japan	2003
Section Editor, Radiation Oncology, <u>Cancer</u>	2005-Present
Editorial Board: <u>J Clin Oncol</u>	2008-Present

**24. Professional and Honorary Organizations (member; officer; date): [inclusive dates]**

American Association for Cancer Research  
 American College of Radiology  
 American Radium Society  
 American Society of Clinical Oncology  
 American Society of Therapeutic Radiology and Oncology  
 European Society for Radiotherapy and Oncology  
 Gilbert H. Fletcher Society  
 Pennsylvania Radiological Society  
 Radiological Society of North America  
 Society of Chairman of Academic Radiation Oncology Programs

**25. Honors and Awards [with dates]**

University of Miami School of Medicine Surgical Scholarship Fund Fellowship Department of Surgery Miami, Florida	1976-1979
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The Thomas Brown McClelland Trust Scholarship Rotary Club of Miami, Miami, Florida	1987
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Radiological Society of North America Fellowship	1991-1992
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Am. Soc. for Therapeutic Radiology and Oncology Fellowship Support for project "Solid tumor repopulation kinetics after x-irradiation using antibodies to bromodeoxyuridine and iododeoxyuridine"	1991-1992
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American Cancer Society Career Development Award "Cell Kinetic Analysis of Human Solid Tumors after Labeling with Two Thymidine Analogues"	1993-1996
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Top Docs 2002-2008, May issues Philadelphia Magazine	2002-2007
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**26. Post-Doctoral Fellowships:**

None

**27: Other Professional Activities (e.g. papers presented; performances; conference proceedings; seminar or conference panel member; catalogue work; etc):**

**Organizational Committees/Meeting Session Moderation (Since 1999):**

Invited participant of prostate cancer breakout group, CAP Conference XXXV - Solid Tumor Prognostic Factors: Which, How, and So What? College of American Pathologists, Chicago, IL, June 10-13, 1999.

NCCN Bladder Cancer Guidelines Panel, Chicago, IL, 2000 – 2008.

Invited participant of the Select Grant Steering Committee, representing the RTOG, Seattle, WA, April 15, 2000.

Consultant for NCI Scientific Review Group Subcommittee, Silver Spring, MD, July 24, 2000.

Section Leader, RTOG, GU Translational Research Program, 1998-Present.

Member, RTOG GU Strategy Committee, 1998-Present.

Section Leader, Locally Advanced Prostate Cancer, Prostate Work Group, ACR Task Force, Update on Appropriateness Criteria, 2000.

Invited participant, “New Pathways for Educating Radiologists for the Future.” RSNA Research and Education Foundation, Oak Brook, IL, August 26-27, 2000.

Genitourinary abstract reviewer for the 42<sup>nd</sup> Annual Meeting of American Association for Therapeutic Radiology and Oncology in Boston, MA, October 2000.

Co-moderator for genitourinary scientific session 4, during the 42<sup>nd</sup> Annual Meeting of American Association for Therapeutic Radiology and Oncology in Boston, MA, October 2000.

Organizing committee, 2001 3<sup>rd</sup> International Workshop, Nagoya, Japan, September 14-16, 2001.

Invited participant, “PSA Consensus Meeting,” Memorial Sloan-Kettering Cancer Center, New York, NY, February 12-13, 2001.

Invited participant, ASTRO 3D Conformal Radiation Therapy Practicum Workshop, March 1-3, 2001.

NCCN Prostate Cancer Early Detection Guidelines Panel, 2001 – 2007.

NCCN Prostate Cancer Guidelines Panel, 2001 – Present.

Panelist, “Dose Escalation for Prostate Cancer: Three Different Methods,” 43<sup>rd</sup> Annual Meeting of the American Association for Therapeutic Radiology and Oncology, San Francisco, California, November 4-8, 2001.

Moderator for the Genitourinary Scientific Session during the 43<sup>rd</sup> Annual Meeting of the American Association for Therapeutic Radiology and Oncology, San Francisco, California, November 4-8, 2001.

Panelist “Update: Bladder Cancer Guidelines” at the NCCN 7<sup>th</sup> Annual Conference: Practice Guidelines and Outcomes Data in Oncology, Hollywood, FL, March 2, 2002.

American Board of Radiology Examiner – radiation oncology oral examinations, 2001-Present

Participant, ATC Optimization Collaborative Working Group, Rockville, MD, February 2-3, 2003.

Participant, PCABC Prostate Committee, initial teleconference, February 10, 2003.

Genitourinary abstract reviewer for ASTRO, 2003.

Moderator Genitourinary Scientific Session during the 45<sup>th</sup> Annual Meeting of the American Association for Therapeutic Radiology and Oncology, Salt Lake City, Utah, October 19-23, 2003.

Member, IUCC GU Committee, 2004-Present  
 Moderator – Scientific Session: External Beam Outcome for ASTRO, 2004, Atlanta, GA.  
 Panelist – Genitourinary Panel during the 87<sup>th</sup> Annual Meeting of the American Radium Society, Barcelona, Spain, May 4, 2005  
 Member, ARS Scientific Program Committee, 2005-2007  
 Co-Chair, RTOG Symposium “Bioinformatics and CaBIG” 2006  
 Chair and participant: “Hypofractionation 2006, A Short Cut to the Future,” Philadelphia, Pennsylvania, November 3, 2006.  
 Moderator Genitourinary Scientific Session during the 88<sup>th</sup> Annual Meeting of the American Radium Society, Maui, Hawaii, May 8, 2006.  
 Member, GU Section Item Rating committee for written exams, 2006  
 American Board of Radiology – Head of GU section for oral exam, 2006-Present  
 Member Task Force on Oncologic Imaging and Therapies, Radiological Society of North America, 2006  
 Member, AJCC GU Committee, 2006-Present  
 Chair, Scientific Program Committee, American Radium Society meeting for May 2008.  
 Member, Executive Committee, American Radium Society, 2007-Present  
 Treasurer, American Radium Society, 2008

**Consultant/Advisory Boards:**

Coulter Electronics Hialeah, FL	Consultant, E.A.S.Y. Computer System Software Development, P.I.: B. Bagwell	1983-1985
Univ. of Miami Sch. of Medicine Dept. of Microbiol. & Immunol. Miami, FL	Consultant, NIH Grant "Halopyrimidine tumor radiosensitization: new strategies." P.I: S. Greer	1984-1985
Calypso Medical Systems Boston MA	Consultant	2003-2006
Hayword Medical Comm. New Market, U.K.	Consultant Plenaxis	2008

**VI. TEACHING**

- 28. Teaching Awards Received:** None
- 29. Teaching Specialization (courses taught, new courses developed, innovative or experimental teaching, etc.)**

### **Resident and Fellow Lectures:**

Yearly lectures on prostate, bladder, testis and/or sarcomas	1993-Present
Selected radiobiology lectures to residents and fellows every other year	1995-Present
Weekly "Chairman's Rounds" with residents and fellows	2001-Present

### **Invited Lectures:**

1. **Pollack A.** "Radiation damage from intranuclear  $^3\text{H}$  blocks PHA stimulated lymphocytes in G2." Dept. of Pathology, Shands Teaching Hospital, Gainesville, FL, December 19, 1978.
2. **Pollack A.** "The use and properties of fluorescent DNA stains in flow cytometry." Coulter TPS-1 users Conference. Coulter Electronics, Hialeah, FL, on over ten occasions, 1978 -1981.
3. **Pollack A.** "Cell kinetic analysis of benign and malignant cell populations using flow cytometry." Department of Pathology, Northwestern University, Chicago, IL, April 7, 1983.
4. **Pollack A.** "Thymoma: Prognostic factors." Loyola University, Chicago, IL, August 6, 1991.
5. **Pollack A.** "The prognostic significance of PSA in prostate cancer treated with radiotherapy." Julie & Ben Rogers Cancer Institute, Baptist Hospital of Southeast Texas, Beaumont, TX, May 20, 1994.
6. **Pollack A.** "Conformal radiotherapy for prostate cancer." Texas Radiological Society, Houston, TX, September 10, 1994.
7. **Pollack A.** "Radiation therapy and hormonal ablation for 'high risk' prostate cancer." Prostate Cancer Man to Man: Dialogues for Education and Support - Seminar for Patients at MDACC, Houston, TX, September 30, 1995.
8. **Pollack A.** "Prostate-specific antigen and radiation therapy for clinically localized prostate cancer." Medical College of Georgia, Augusta, GA, December 6, 1995.
9. **Pollack A.** "Radiotherapy for Prostate Cancer in the 1990's." Prostate Cancer Support Group Lecture (TEXUS TOO), Houston, TX, February 12, 1996.
10. **Pollack A.** "Management of seminoma: Selection of patients with para-aortic nodal disease for curative radiation therapy." Fourth Annual Genitourinary Oncology Conference - "Clinical Advances in the Treatment of Genitourinary Tumors." Houston, TX, February 8-10, 1996.
11. **Pollack A.** "Urothelial malignancies: Strategies for organ preservation." Fourth Annual Genitourinary Oncology Conference on Clinical Advances in the Treatment of Genitourinary Tumors. Houston, TX, February 8-10, 1996.
12. **Pollack A.** "Treatment of the Urinary System." Radiation Oncology Seminar for Technologists at The Advanced Health Education Center, Houston, TX, February 17, 1996.
13. **Pollack A.** "Patients with early stage prostatic carcinoma should be treated by radical prostatectomy: The Con View." Lecture at Southern Association for Oncology 9th Annual Meeting - Controversies in Oncology - Williamsburg, VA, August 1-3, 1996.

14. **Pollack A.** "Patients with locally-advanced non-metastatic prostate cancer should receive total androgen ablation: The Con View." Lecture at Southern Association for Oncology 9th Annual Meeting - Controversies in Oncology - Williamsburg, VA, August 1-3, 1996.
15. **Pollack A.** "The role of androgen ablation in the treatment of prostate cancer with radiotherapy." Texas Radiological Society Meeting, Houston, TX, September 7, 1996.
16. **Pollack A.** "New advances in Radiation Oncology." Lecture at 5th Annual Fall Conference - Current Trends in Prostate & Testicular Cancer - Klabzuba Cancer Center, Harris Methodist Fort Worth Education Center, Fort Worth, TX, October 5, 1996.
17. **Pollack A.** "Current Status of Androgen Ablation Plus External Beam Radiotherapy for Regionally Localized Prostate Cancer." Providence Memorial Hospital - 14th Annual Western Regional Oncology Conference, El Paso, TX, January 17-18, 1997.
18. **Pollack A.** "Radiotherapeutic Management of Soft Tissue Sarcomas." American Society for Therapeutic Radiology and Oncology (ASTRO) Refresher Course, Dallas, TX, March 21-22, 1997.
19. **Pollack A.** "External beam radiotherapy for prostate cancer - How does it stack up?" Texas Radiological Society Meeting, El Paso, TX, April 4-6, 1997.
20. **Pollack A.** "Radiotherapy for prostate cancer in the 1990's." Texas Society of Radiologic Technologists Annual Meeting, Houston, TX, April 12, 1997.
21. **Pollack A.** "Androgen ablation in the management of regionally localized prostate cancer." Current Management of Cancer, Spohn Health System's Fifth Annual Oncology Conference, Corpus Christi, TX, April 26, 1997.
22. **Pollack A.** "Prostate cancer treated with external beam radiotherapy: Pretreatment prognostic factors." Advantage Healthcare Inc., First Sonoma Conference on Prostate Cancer, Sonoma, CA, June 20-22, 1997.
23. **Pollack A.** "External beam radiotherapy for prostate cancer: How does it stack up?" Keynote address at genitourinary radiation oncology session, Annual Meeting of the Radiological Society of North America, Chicago, IL, November 30, 1997.
24. **Pollack A.** "Management of regionally localized high risk prostate cancer." Radiological Society of North America National Meeting Refresher Course, Chicago, IL, November 30-December 5, 1997.
25. **Pollack A.** "The prospects for bladder preservation: For whom and how?" The Sixth Annual Genitourinary Oncology Conference on Clinical Advances in the Treatment of Genitourinary Tumors, Houston, TX, February 26-27, 1998.
26. **Pollack A.** "Optimal integration in the management of unfavorable prostate cancer." The Sixth Annual Genitourinary Oncology Conference on Clinical Advances in the Treatment of Genitourinary Tumors, Houston, TX, February 26-27, 1998.
27. **Pollack A.** "Androgen ablation plus radiation for prostate cancer: A decline or delay in failure?" The 23<sup>rd</sup> Annual Meeting of the Gilbert H. Fletcher Society, Houston, TX, April 1-4, 1998.
28. **Pollack A.** "PSA nadirs after EBRT." American Brachytherapy Society, Albuquerque, NM, May 30-June 2, 1998.
29. **Pollack A.** "Issues in the management of locally advanced prostate cancer." Panel Session, American Society for Therapeutic Radiology and Oncology, Phoenix, AZ, October 25-29, 1998.

30. **Pollack A.** "Radiotherapy for prostate cancer." MD Anderson Outreach Speakers Bureau-Prostate Cancer, McAllen, TX, November 19, 1998.
31. **Pollack A.** "Radiation therapy for high-risk prostate cancer." 1998 Radiological Society of North America Refresher Course, Chicago, IL, November 29-December 4, 1998.
32. **Pollack A.** "The role of androgen ablation plus radiation in the treatment of prostate cancer." Kyoto University Hospital, Kyoto, Japan, December 8, 1998.
33. **Pollack A.** "Dose-escalation in the treatment of prostate cancer using 3-dimensional conformal radiotherapy." 2<sup>nd</sup> S. Takahashi Memorial International Conference on 3-Dimensional Conformal Radiotherapy, Nagoya, Japan, December 11-13, 1998.
34. **Pollack A.** "Treatment of high risk prostate cancer with androgen ablation and radiotherapy." Lecture sponsored by TAP Pharmaceutical, U. T. M.D. Anderson Medical Oncologists and Fellows, Churoscos Restaurant, Houston, TX, February 16, 1999.
35. **Pollack A.** "External beam irradiation and hormonal therapy for prostate cancer." New Advances in Brachytherapy & Prostate Cancer Management," Scottsdale, AZ, February 26-28, 1999.
36. **Pollack A.** "Androgen ablation and external beam radiotherapy for regionally localized high risk prostate cancer." Spohn Health Systems, Corpus Christi, TX, March 3, 1999.
37. **Pollack A.** "An update of the role of radiation therapy in the management of bladder cancer." Radiation Oncology Grand Rounds, Mount Sinai Medical Center, Department of Radiation Oncology, New York, NY, March 22, 1999.
38. **Pollack A.** "Treatment planning techniques and considerations using conformal radiotherapy in the treatment of localized prostate cancer" and "Evidence for a dose-response in prostate cancer using external beam radiotherapy." Texas Radiological Society Annual Meeting, Dallas, TX, April 10, 1999.
39. **Pollack A.** "Conformal radiotherapy for prostate cancer: The MD Anderson Experience." International Symposium on 3D Conformal Radiation Therapy and Intensity Modulated Radiation Therapy in the New Millennium, Houston, TX, April 30-May 2, 1999.
40. **Pollack A.** "Radiotherapy for prostate cancer," in **refresher** course entitled "Management of advanced carcinoma of the prostate." American Urological Association Annual Meeting, Dallas, TX, May 1-6, 1999.
41. **Pollack A.** A series of 14 lectures on prostate, bladder, and testis cancer, Sydney, Melbourne, Perth, Brisbane, Adelaide and Newcastle, Australia, May 10-24, 1999.
42. **Pollack A.** "Management of regionally localized high risk prostate cancer with androgen ablation and radiotherapy." Lecture sponsored by TAP Pharmaceuticals, UTMD Anderson Cancer Center Medical Oncologists and Fellows, Houston, TX, July 28, 1999.
43. **Pollack A.** "Man-to-Man Prostate Support Group." Northeast Regional Cancer Center, Humble, TX, September 20, 1999.
44. **Pollack A.** "Radiotherapy versus surgery for prostate cancer." Genesys Hurley Cancer Institute, Flint, MI, September 23, 1999.
45. **Pollack A.** "Prostate cancer: The Y2K dilemma." North Cotton Cancer Center, Dartmouth-Hitchcock Medical Center, Dartmouth, NH, October 3-5, 1999.
46. **Pollack A.** "Conformal radiotherapy for prostate cancer." MD Anderson Associate's Conference, UTMD Anderson Cancer Center in Houston, TX, October 8-9, 1999.

47. **Pollack A.** 1) "Treatment of early prostate cancer: External beam versus implant versus surgery" and 2) "High risk prostate cancer: The role of androgen ablation and radiation." Julie & Ben Rogers Cancer Institute, Beaumont, TX, October 16, 1999.
48. **Pollack A.** "Treatment of prostate cancer with radiotherapy: New directions." St. Joseph Medical Center, Tulsa, OK, November 17, 1999.
49. **Pollack A.** "Radiotherapy for prostate cancer: Pushing the envelope beyond the conventional treatment." Institutional Grand Rounds, UTMD Anderson Cancer Center, Houston, TX, November 19, 1999.
50. **Pollack A.** "Management of regionally localized, high-risk prostate cancer." Refresher Course - RSNA, Chicago, IL, November 28-December 3, 1999.
51. **Pollack A.** "Management of primary prostate cancer from the perspective of radiation oncologist." UTMD Anderson Cancer Center, Medical Grand Rounds Seminar, Houston, TX, December 14, 1999.
52. **Pollack A.** "Radiotherapy for prostate cancer: Pushing the envelope." University of Utah Health Sciences, Salt Lake City, UT, December 15-16, 1999.
53. **Pollack A.** "Dose-escalation with 3-D conformal radiation for prostate cancer." Moderator for panel: Controversies in prostate cancer. UTMD Anderson RadOnc2000, Houston, TX, February 16-19, 2000.
54. **Pollack A.** "Dose escalation: Optimizing patient and dose selection." Prostate Cancer in the New Millennium, Scottsdale, AZ, March 3-5, 2000.
55. **Pollack A.** "Current status of XRT." UTMD Anderson Cancer Center, Genitourinary Medical Oncology Conference, Houston, Texas, March 23-24, 2000.
56. **Pollack A.** "Prostate cancer: balancing radiation dose and androgen ablation." Fox Chase Cancer Center, Philadelphia, PA, April 12, 2000.
57. **Pollack A.** "External beam radiation therapy conventional versus 3D conformal treatment." UTMD Anderson Cancer Center, Clinical Innovations in the Diagnosis and Treatment of Localized Prostate Cancer Conference, Houston, TX, April 28-29, 2000.
58. **Pollack A.** "Neoadjuvant hormonal therapy: A synergistic effect with radiotherapy." UTMD Anderson Cancer Center, Clinical Innovations in the Diagnosis and Treatment of Localized Prostate Cancer Conference, Houston, TX, April 28-29, 2000.
59. **Pollack A.** "Management and treatment of advanced carcinoma of the prostate." 2000 AUA Meeting, Atlanta, GA, April 29-May 4, 2000.
60. **Pollack A.** "Prostate cancer radiosensitization from androgen ablation." Mechanisms of Cell Death and Disease: Advances in Therapeutic Intervention Conference, Dublin, Ireland, May 13-17, 2000.
61. **Pollack A.** "Does XRT add anything to androgen ablation?" Annual Meeting of the American Society of Clinical Oncology, New Orleans, LA, May 20-23, 2000.
62. **Pollack A.** "Acute and late treatment toxicity: Perspectives on a randomized trial." Fifth International Symposium on 3D Conformal Radiation Therapy and Brachytherapy, Memorial Sloan-Kettering Cancer Center, New York, NY, June 1-3, 2000.
63. **Pollack A.** "Management of regionally localized, high risk prostate cancer." Kaiser Permanente Hematology Oncology Symposium, Bellflower, CA, June 9-10, 2000.
64. **Pollack A.** "Conformal radiotherapy for prostate cancer-The MD Anderson Experience." ASTRO Workshop Clinical Implementation of 3-D Conformal Radiation Therapy for Prostate Cancer, Chicago, IL, June 16-18, 2000.

65. **Pollack A.** "Clinical issues on implementing IMRT MD perspective." IMRT Seminar, Sponsored by Varian Pharmaceuticals, Cincinnati, OH, October 12, 2000.
66. **Pollack A.** "Radiotherapy for intermediate-to-high risk prostate cancer: Converging on success." Detroit, MI, October 16, 2000.
67. **Pollack A.** "The road to IMRT for prostate cancer." MD Anderson Cancer Center at Orlando, Orlando, FL, October 18, 2000.
68. **Gius D, Pollack A.** "Novel biologic therapies combined with radiation – with an emphasis on gene therapy and anti-angiogenesis." Refresher course at ASTRO annual meeting, Boston, MA, October 22, 2000.
69. **Pollack A.** "Conformal radiotherapy: Comparisons between conventional radiotherapy and conformal radiotherapy." Controversies In Prostate Cancer Radiotherapy, Vancouver, BC, November 2-5, 2000.
70. **Pollack A.** "Androgen ablation plus radiation: Biology of interaction." Controversies In Prostate Cancer Radiotherapy, Vancouver, BC, November 2-5, 2000.
71. **Pollack A.** "Management of regionally localized, high risk prostate cancer." Refresher course at RSNA 2000 Annual Meeting, Chicago, IL, November 26-December 1, 2000.
72. **Pollack A.** "Androgen ablation in high risk prostate cancer: Clinical data and review." 53<sup>rd</sup> Annual Midwinter Radiation Oncology Conference, LARS/SCROS, Beverly Hills, CA, January 5-7, 2001.
73. **Pollack A.** "New approaches to the patient with localized prostate cancer: The role of radiation therapy." Scripps Cancer Center Clinical Hematology and Oncology 2001 Conference, La Jolla, CA, February 18-21, 2001.
74. **Pollack A.** 1) "Treatment for low risk patients: Why I prefer external beam irradiation" 2) "EBRT + hormones" 3) "Radiation dose and external beam irradiation" 4) "What should PSA be after treatment with external beam?" and "EBRT for rising PSA following radical prostatectomy." Diversified Conference Management, Inc. (DCMI) 6<sup>th</sup> Annual Scottsdale Prostate Cancer Symposium, Scottsdale, AZ, February 23-25, 2001.
75. **Pollack A.** "Bladder cancer." ASTRO Spring Refresher Course, Chicago, IL, March 9-11, 2001.
76. **Pollack A.** "Clinical issues implementing IMRT." Sponsored by Varian Medical Systems, Seattle IMRT Seminar, Seattle, WA, March 12-13, 2001.
77. **Pollack A.** "Prostate IMRT experience at MD Anderson." 3D Radiation Therapy Conference 2001, Williamsburg, VA, June 28-July 1, 2001.
78. **Pollack A.** "Radiation dose response and the role of IMRT." Fox Chase Network Physician Education Symposium and Scientific Meeting, Fox Chase Cancer Center, Philadelphia, PA, September 25, 2001.
79. **Pollack A.** 1) "Androgen ablation plus radiation for high risk regionally localized prostate cancer," and 2) "Prostate cancer radiation dose response." University of Pennsylvania Medical Center, Philadelphia, PA, September 26, 2001.
80. **Pollack A., et al.** "Impact of ADT on survival in men treated with radiation." Second International Conference on Newer Approaches to Androgen Deprivation Therapy in Prostate Cancer, Cambridge, MA, November 1-3, 2001.
81. **Gius D, Pollack A.** "Novel combinations of biologic and radiation therapy-Emphasizing gene and anti-angiogenic therapeutic strategies" Refresher course - ASTRO Annual Meeting, San Francisco, CA, November 4-8, 2001.

82. **Pollack A.** “Treatment of high risk patients with EBRT plus androgen ablation,” and “The role of brachytherapy in the management of localized prostate cancer.” Multidisciplinary GU Oncology, Cleveland Ohio, November 13, 2001.
83. **Pollack A.** “Radiation dose response and the role of IMRT in the treatment of prostate cancer.” Fox Chase Cancer Center, Philadelphia, PA December 5, 2001.
84. **Pollack A.** 1) “Technical considerations for IMRT implementation for prostate cancer,” and 2) “The impact of 3D-CRT/IMRT on prostate cancer control and morbidity.” 3<sup>rd</sup> International Workshop on 3D Conformal Radiotherapy, Nagoya, Japan, December 9-10, 2001.
85. **Pollack A.** 1) “Dose escalation using EBRT for prostate cancer” and 2) “IMRT Technique and the need for prostate localization during radiotherapy for prostate cancer.” ASTRO 3D CRT/IMRT Practicum, St. Petersburg, FL, February 14-16, 2002.
86. **Pollack A.** “Role of combined modality therapy in the treatment of prostate cancer.” Princess Margaret Hospital, Dept. of Radiation Oncology, Toronto, Canada. February 21, 2002.
87. **Pollack A.** “Management strategies for intermediate risk prostate cancer.” Uro-oncology Meeting, Toronto, Canada, February 22, 2002.
88. **Pollack A.** 1) “IMRT technique and the need for prostate localization during radiotherapy for prostate cancer” and 2) “Dose escalation using EBRT for prostate cancer” 7<sup>th</sup> Annual Scottsdale Prostate Cancer Symposium, Scottsdale, Arizona, February 28-March 1, 2002.
89. **Pollack, A.** “Radiation dose escalation reduces distant metastasis and increases survival for men with prostate cancer.” American Radium Society 84<sup>th</sup> Annual Meeting, Las Croabas, Puerto Rico, April 2002.
90. **Pollack A.** “External radiotherapy of prostate cancer: Hormo-radiation or high dose conformation? ICRO/ORGO 7, Salzburg, Austria, May 2002.
91. **Pollack A.** “Which radiation method is best for prostate cancer?” Society of Urologic Oncology Meeting, Orlando, Florida, May 2002.
92. **Pollack A.** “Prostate cancer dose response to conformal radiotherapy” American Urologic Association Annual Meeting, Orlando, Florida, May 2002.
93. **Pollack A.** “BAT – Clinical Experience.” Nomos - BAT Users Meeting, Dallas, TX, August 2002.
94. **Pollack A.** “Management of local-regional high risk prostate cancer with external beam radiotherapy and androgen ablation.” Aultman Cancer Center 2<sup>nd</sup> Annual Cancer Conference, Canton, Ohio, September 2002.
95. **Pollack A.** “FCCC prostate IMRT experience.” Monmouth Medical Center 3<sup>rd</sup> Annual Community Cancer Center IMRT Symposium. Long Branch, NJ, September 2002.
96. **Pollack A.** “Prostate cancer treatment: Radiation.” 2002 Cancer Symposium on Controversies in Cancer Care, MBNA Bowman Conf Center, Newark, DE, October 2002.
97. **Pollack A.** “IMRT for Prostate Cancer.” 21<sup>st</sup> Century Oncology Physicians’ Retreat, Bonita Springs, FL, October 2002.
98. **Pollack A.** “New directions in the management of cancer with external beam radiotherapy.” Keynote Address at the Second Annual US Cyberknife/First Worldwide Cyberknife Users’ Meeting, Napa, CA, November 2002.

99. **Pollack A.** 1) "External beam radiotherapy – Is more better?" 2) "Combining radiation and hormones: How can we do it?" 3) "Surgery vs. radiotherapy – The debate continues." New Perspectives on Prostate Cancer, Ninth Cancer Symposium, Washington Adventist Hospital, Greenbelt, MD, November 2002.
100. **Pollack A.** "New techniques in radiation oncology." Grand Opening of the Booker Radiation Oncology Center, Riverview Medical Center, Red Bank, NJ, January 10, 2003.
101. **Pollack A.** "How to determine and delineate target volumes III (prostate)." Target Delineation Symposium for IMRT/3D CRT Treatment Planning, Houston, TX, January 23, 2003.
102. **Pollack A.** "GU-TRP results and strategy." RTOG Semi-Annual Meeting, Houston, TX, January 25, 2003.
103. **Pollack A.** "Radiation therapy for clinically-localized prostate cancer." Multidisciplinary Advances in the Treatment of Prostate Cancer, University of North Carolina at Chapel Hill, Chapel Hill, NJ, February 1, 2003.
104. **Pollack A.** "IMRT in prostate cancer." ASTRO Practicum – Implementing IMRT in Clinical Practice, San Diego, CA, February 6-9, 2003.
105. **Pollack A.** "Dose escalation as a rationale for developing an IMRT program for prostate cancer." University of VA, Charlottesville, VA, March 7, 2003.
106. **Pollack A.** "Therapeutic options for radiation therapy in prostate cancer." Current Approaches in Cancer Therapy. Williamsburg, VA, March 8, 2003.
107. **Pollack A.** 1) "Modulation of prostate cancer cell death in response to androgen deprivation and radiation by MDM2" 2) "Androgen deprivation plus radiotherapy for prostate cancer. Is it as effective as it appears?" 3) "Prostate cancer radiotherapy dose response: A rationale for IMRT." ICRT 2003, Lugano, Switzerland March 17-18, 2003.
108. **Pollack A.** "Androgen deprivation plus radiotherapy for prostate cancer." 11<sup>th</sup> Annual Radiation Workshop, Round Top, TX, March 11, 2003.
109. **Pollack A.** "Androgen deprivation and radiation for high risk prostate cancer patients." AstraZeneca: Radiation Oncology Residents' Educational Dinner Program, Philadelphia, PA, April 23, 2003.
110. **Pollack A.** "IMRT for prostate cancer." 7<sup>th</sup> International Symposium on 3DCRT and IMRT, San Francisco, CA, April 26, 2003.
111. **Pollack A.** "IMRT for prostate cancer: Do we have a leg to stand on?" FCCC Radiation Oncology Conference for Nurses, Therapists, and Dosimetrists, Philadelphia, PA, May 22, 2003.
112. **Pollack A.** "Prostate cancer radiotherapy dose response: A rationale for IMRT." Visiting Professor, Baylor College of Medicine, Houston, TX, May 23, 2003.
113. **Pollack A.** "Androgen deprivation plus radiation for prostate cancer." Baylor College of Medicine, Houston, TX, May 23, 2003.
114. **Pollack A.** 1) "New techniques of radiotherapy for malignant tumors" 2) "Radiotherapy of early stage prostate cancer" 3) "Prostate cancer: Advantages of conformal and IMRT techniques." Co-Chair: Conference, American Russian Cancer Alliance, Moscow, June 17, 2003.
115. **Pollack A.** "IMRT for prostate cancer." American Association of Physicists in Medicine Summer School Colorado Springs, Colorado, June 25, 2003.

116. **Pollack A.** 1) “Androgen deprivation plus radiotherapy for prostate cancer” 2) “Therapeutic options for prostate cancer” 3) “Prostate cancer 3DCRT vs. IMRT: How do I treat?” and 4) “Innovations in radiation oncology.” Sirio Libanes Hospital, Sao Paula, Brazil, July 10-11, 2003.
117. **Pollack A.** “Androgen deprivation plus radiotherapy for clinically localized high risk prostate cancer.” St. Barnabas Hospital, Livingston, NJ, September 10, 2003.
118. **Pollack A.** “Radiotherapy for prostate cancer: past, present and future.” City of Hope, Duarte, CA, September 12, 2003.
119. **Pollack A.** “What’s All the Buzz...Intensity Modulated Radiation Therapy (IMRT).” Eighth Annual Prostate Cancer Conference, Bala Cynwyd, PA, September 20, 2003.
120. **Pollack A.** “IMRT for Prostate Cancer: Image Guided Hypofractionation.” 3<sup>rd</sup> Japan-US Treatment Symposium, Kyoto, Japan, October 2, 2003.
121. **Pollack A.** “Intensity modulated radiation therapy for prostate cancer.” Grandview Hospital, Sellersville, PA, October 30, 2003.
122. **Pollack A.** 1) “XRT for high risk disease” 2) “Management of primary treatment failure.” San Diego Radiological Society – Advanced Prostate Cancer Symposium. San Diego, CA, November 8, 2003.
123. **Pollack A.** “Balancing dose response and complication risk: A rationale for IMRT for prostate cancer.” 4<sup>th</sup> Annual Community Cancer Center IMRP Symposium, Monmouth Medical, Eatontown, NJ, November 14, 2003.
124. **Pollack A.** Poster presentation, “Antisense Bcl-2 (Genasense™) sensitizes prostate cancer cells to radiation.” AACR-NCI-EORTC International Conference on Molecular Targets and Cancer Therapeutics, Boston, MA. November 18, 2003.
125. **Pollack A.** “Ki67 Staining is a strong predictor of patient outcome for prostate cancer patients treated with androgen deprivation plus radiotherapy: An analysis of RTOG 92-02.” RTOG Semi-Annual Meeting, Publications Scientific Session, New Orleans, LA, January 17, 2004.
126. **Pollack A.** “IMRT for prostate cancer.” ASTRO Practicum – Implementing IMRT in Clinical Practice, San Diego, CA, February 5-8, 2004.
127. **Pollack A.** “Radiosensitization using antisense strategies.” Varian Research Partners Symposium, Lake Mary, FL, January 28-30, 2004.
128. **Pollack A.** “Dose escalation for prostate cancer: Should we, for whom, and how much?” American Radium Society Meeting 2004, Napa Valley, CA, May 1-5, 2004
129. **Pollack A.** “Radiotherapy for prostate cancer.” In refresher course entitled “Treatment of organ confined, locally advanced and metastatic prostate cancer.” American Urological Association, Annual Meeting, San Francisco, CA, May 11, 2004
130. **Pollack A.** “Treatment of intermediate and high risk localized prostate cancer.” FCCC sponsored CME course on Prostate Cancer 2004: Challenges in Treatment. Philadelphia, PA, May 19, 2004
131. **Pollack A.** “Prostate cancer markers of outcome after radiation therapy.” RTOG Semi-Annual Meeting, Washington, DC, June 26, 2004
132. **Pollack A.** “GU lecture.” Integrating Novel Agents with Radiotherapy in the Treatment of Solid Tumors Conference. Lake Tahoe, NV, July 17, 2004
133. **Pollack A.** “IMRT optimization and operations research.” AAPM 46<sup>th</sup> Annual Meeting, Pittsburgh, PA, July 26, 2004

134. **Pollack A.** “Dose escalation for prostate cancer and the roles of lymph node treatment and androgen deprivation.” AstraZeneca Urology Program, DVA NJ Healthcare System, East Orange, NJ, August 27, 2004
135. **Pollack A.** “Prostate cancer treated with radiotherapy.” Papageorgiou General Hospital, Thessaloniki, Greece, September 18, 2004
136. **Pollack A.** Panel: “Prostate hypofractionation – progress or peril?” ASTRO Annual Meeting, Atlanta, GA, October 3, 2004
137. **Pollack A.** “Therapeutic options for prostate cancer.” 2004 VICCAN Fall Scientific Meeting, Stone Mountain, GA, October 22, 2004
138. **Pollack A.** “Adaptive radiotherapy.” Siemens Executive Exchange, Cincinnati, OH, November 4, 2004
139. **Pollack A.** “Radiotherapy for prostate cancer: role of androgen deprivation and lymph node irradiation.” University of Chicago, Chicago IL, November 15, 2004
140. **Pollack A.** “A Multi-institutional analysis of adjuvant and salvage radiotherapy after radical prostatectomy.” Invited abstract, special session on best abstracts from ASTRO. RSNA Annual Meeting, Chicago, IL, November 29, 2004
141. **Pollack A.** “Prostate cancer dose escalation: what is the role of lymph node treatment and androgen deprivation.” 4<sup>th</sup> S. Takahashi Memorial International Workshop on 3-Dimensional Conformal Radiotherapy, Nagoya Japan, December 12<sup>th</sup>, 2004
142. **Pollack A.** “Prostate cancer radiotherapy: does androgen deprivation obviate the need for dose escalation using IMRT.” Henry Ford Health System, Detroit, MI, January 7, 2005
143. **Pollack A.** “IMRT in prostate cancer.” 2005 ASTRO Practicum—Implementing IMRT in Clinical Practice. Dallas, Texas, February 4-5, 2005
144. **Pollack A.** “External beam radiation for prostate cancer: The importance of dose and technique and the role of prognostic markers.” UCSF Urologic Oncology Conference, San Francisco, CA February 11, 2005
145. **Pollack A.** “Chemoradiation for bladder cancer: As effective as surgery?” UCSF Urologic Oncology Conference, San Francisco, CA. February 12, 2005
146. **Pollack A.** “Radiation Therapy: Adjuvant versus salvage.” ASCO 2005 Multidisciplinary Prostate Cancer Symposium, Orlando, FL, February 18, 2005.
147. **Pollack A.** “New technologies for local therapy of cancer: radiotherapy techniques. NCCN 10<sup>th</sup> Annual Conference, Hollywood, FL, March 18, 2005
148. **Pollack A.** “Prostate external beam radiotherapy (target volume definition including lymph nodes and postop) in combination with hormonal therapy.” ASTRO Spring Refresher Course 2005, Chicago, IL, April 2, 2005
149. **Pollack A.** “MDM2 expression predicts for prostate cancer outcome after radiotherapy and androgen deprivation: an analysis of RTOG 92-02. American Radium Society, 87<sup>th</sup> Annual Meeting, Barcelona, Spain, May 3, 2005
150. **Pollack A.** “External beam radiotherapy for intermediate prostate cancer”. American Radium Society, 87<sup>th</sup> Annual Meeting, Barcelona, Spain, May 3, 2005

151. **Pollack A.** 1) "Selection criteria for IMRT of the prostate." 2) "Dose prescription, CTV and ORV definitions for the prostate" 3) "Expansion of CTV and ORV for IMRT of the prostate" 4) "IMRT treatment planning for the prostate" 5) "IMRT plan evaluation for the prostate" 6) Prostate cancer case discussions. IGIMRT @ Sea Practicum, Alaska, 7/30 – 8/6/05
152. **Pollack A.** Prostate cancer target delineation. Third Annual Radiation Oncology Meeting, Dallas, Texas, September 16, 2005
153. **Pollack A.** MDM2 expression is independent of p53 and Ki-67 in predicting prostate cancer outcome: an analysis of RTOG 92-02. ASTRO Annual Meeting, Denver, CO 2005
154. **Pollack A.** Radiotherapy for prostate cancer, Cancer 2005 The Fox Chase Cancer Center Annual Symposium, Philadelphia, PA, October 28, 2005
155. **Pollack A.** Point/Counterpoint. Surgery versus radiation therapy versus no treatment for GU malignancies (Richard Greenberg/Alan Pollack), Cancer 2005 The Fox Chase Cancer Center Annual Symposium, Philadelphia, PA October 28, 2005
156. **Pollack A.** Clinical perspective: current challenges and future role of imaging. Innovative Solutions for Cancer Care Symposium, Washington, DC, October 29, 2005
157. **Pollack A.** Recent advances in external beam radiotherapy. New Perspectives on 2005 Prostate Cancer, 12<sup>th</sup> Annual Cancer Symposium, Bethesda, MD, November 3, 2005
158. **Pollack A.** Postoperative radiotherapy: adjuvant vs. salvage? New Perspectives on 2005 Prostate Cancer, 12<sup>th</sup> Annual Cancer Symposium, Bethesda, MD, November 3, 2005
159. **Pollack A.** Radiotherapy treatment options for prostate and testicular cancers. Cancer Care Along the Continuum: Issues Facing Men. Fox Chase Cancer Center, Philadelphia., PA November 16, 2005
160. **Pollack A.** Intensity-modulated radiation therapy: state of the art – part II. 91<sup>st</sup> Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, November 28, 2005
161. **Pollack A.** Rising PSA after surgery. RTOG Semi-Annual Meeting, Miami, FLA, January 20, 2006
162. **Pollack A.** Treatment of surgical failure with radiotherapy. Current Problems in Urology – 4<sup>th</sup> Edition, Banff, Alberta, January 27, 2006
163. **Pollack A.** Adjuvant vs. salvage radiotherapy and technical considerations. Current Problems in Urology – 4<sup>th</sup> Edition, Banff, Alberta, January 27, 2006
164. **Pollack A.** The case in favor of ADT. Current Problems in Urology – 4<sup>th</sup> Edition, Banff, Alberta, January 28, 2006
165. **Pollack A.** "IMRT for prostate cancer." 2006 ASTRO Practicum—Implementing IMRT in Clinical Practice. Irving, Texas, February 10-12, 2006
166. **Pollack A.** "Proton therapy for prostate cancer. Is it cost effective?" Proton Beam Therapy Informational Symposium, Seattle, Washington, February 16, 2006
167. **Pollack A.** "Hormonal therapy and EBRT. 11<sup>th</sup> Annual Scottsdale Prostate Cancer Symposium, Scottsdale, Arizona, March 3, 2006
168. **Pollack A.** "Post Radical Prostatectomy RT" and Session moderator (Adjuvant and Salvage Therapy). 11<sup>th</sup> Annual Scottsdale Prostate Cancer Symposium, Scottsdale, Arizona, March 4, 2006

169. **Pollack A.** “The role of androgen deprivation in the treatment of prostate cancer with external beam radiotherapy” Philadelphia Roentgen Ray Society, Philadelphia, PA, April 6, 2006
170. **Pollack A.** “Targeted therapy in prostate cancer” New York Roentgen Society Annual Conference, New York, NY, April 8, 2006
171. **Pollack A.** “Adjusted prostate cancer dose response” 88<sup>th</sup> Annual Meeting of the American Radium Society, Maui, Hawaii, May 9, 2006
172. **Pollack A.** Refresher course entitled “Treatment of organ confined, locally advanced and metastatic prostate cancer.” American Urological Association, Annual Meeting, San Francisco, CA, May 23, 2006
173. **Pollack A.** “Prostate Cancer: A Model for the Past, Present and Future of External Beam Radiotherapy.” Fox Chase Cancer Center 15<sup>th</sup> Annual Radiation Oncology Conference for Nurses, Therapists, and Dosimetrists, Philadelphia, PA, May 25, 2006
174. **Pollack A.** “Prostate Cancer Radiotherapy: The Importance of Local Control.” UMDNJ-Robert Wood Johnson Medical School/Cancer Institute of New Jersey, New Brunswick, NJ, 9/5/06
175. **Pollack A.** “The importance of local control in prostate cancer: radiation, androgen deprivation and gene therapy.” University of Michigan, Ann Arbor, Michigan, 9/18/06
176. **Pollack A.** “The importance of local control in prostate cancer: radiation, androgen deprivation and gene therapy. Southwestern Medical Center, Dallas, TX, 9/29/06
177. **Pollack A.** “New biomarkers for prostate cancer.” Delaware County Memorial Hospital, Drexel Hill, PA, 9/30/06
178. **Pollack A.** “Hypofractionation for prostate cancer” Varian Symposium at ASTRO 2006, Philadelphia, PA, 11/7/06
179. **Pollack A.** “New advances for radiotherapy in prostate cancer.” Philadelphia Medicine International Video Conference (Brazil), 12/1/06
180. **Pollack A.** “Optimizing local control in the treatment of prostate cancer with external beam radiotherapy: dose and androgen deprivation.” Geisinger Health System, Danville, PA, 1/18/07
181. **Pollack A.** “Manipulating the apoptotic pathway to enhance prostate cancer response to radiation and androgen deprivation.” Geisinger Health System, Danville, PA, 1/18/07
182. **Pollack A.** “Are cure rates higher with adjuvant as opposed to salvage postoperative radiotherapy for prostate cancer?” M.D. Anderson Cancer Center, Houston, TX, 2/21/07
183. **Pollack A.** Biomarkers in prostate cancer treated with radiotherapy.” M.D. Anderson Cancer Center, Houston, TX. 2/21/07
184. **Pollack A.** “Postoperative Treatment for Prostate Cancer” Montefiore Medical Center, New York, NY, 4/26/07
185. **Pollack A.** “Prostate Cancer: Fox Chase Experience.” NY Roentgen Society Meeting, New York, NY, 4/27/07
186. **Pollack A.** “Higher cure rates with adjuvant, as opposed to salvage, postoperative radiotherapy for prostate cancer. 89<sup>th</sup> Annual American Radium Society Meeting, Amsterdam, Netherlands, 5/9/07
187. **Pollack A.** “New Advances in Radiation Oncology.” 16<sup>th</sup> Annual Radiation Oncology Conference for Nurses, Therapists and Dosimetrists, Philadelphia, PA, 5/24/07

188. **Pollack A.** “Molecular markers identified for prostate cancer therapy. San Francisco Radiation Oncology Conference, San Francisco, CA, 7/7/07
189. **Pollack A.** “Application of Hypofractionation in the prostate.” AAPM Annual Meeting, Minneapolis, MN, 7/23/07
190. **Pollack A.** “Antisense MDM2 and adenoviral E2F1 sensitize prostate cancer cells to androgen and radiation. IMPaCT Meeting, Atlanta, GA, 9/7/07.
191. **Pollack A.** “Image-guidance for the planning and delivery of radiation for prostate cancer. AdMeTech Meeting, Washington DC, 9/16/07
192. **Pollack A.** “Radiation therapy post-prostatectomy: Adjuvant versus salvage.” New Technologies and Innovative Treatment Strategies for GU Malignancies, San Diego, CA, 9/29/07
193. **Pollack A.** “Recent advances in external beam radiotherapy;” “Adjuvant therapy after surgery for high risk cancer;” “Hormone and radiotherapy for locally advanced or high risk prostate cancer.” New Perspectives on Prostate Cancer 2007, Bethesda, MD, 10/5/07
194. **Pollack A.** “Image guided approaches and their importance in the optimization of outcomes.” ASTRO Annual Meeting, Los Angeles, CA, 2007
195. **Pollack A.** “Postoperative radiotherapy following prostatectomy: now that we know how it works, how should we do it?” Panel participant, ASTRO Annual Meeting, Los Angeles, CA, 2007
196. **Pollack A.** “Local persistence after radiotherapy for prostate cancer: A rationale for dose escalation to the dominant lesion.” RSNA Annual Meeting, Chicago, IL, 2007
197. **Pollack A.** “High risk prostate cancer: combined hormonal therapy and radiation therapy.” Panel Participant, Challenging Cases in Urologic Oncology, San Diego, CA, 2008
198. **Pollack A.** “Local persistence of disease after definitive therapy for prostate cancer.” Visiting Professor, Mayo Clinic, 2008
199. **Pollack A.** “State of the Art: Dose-scaling/proton radiation therapy.” Multidisciplinary meeting: prostate, kidney and bladder cancer. Nice, France, 2008
200. **Pollack A.** “Perception of the future in prostate cancer care.” Multidisciplinary meeting: prostate, kidney and bladder cancer. Nice, France, 2008
201. **Pollack A.** “Adjuvant or salvage radiation therapy: Current data and future plans. Congress on GU Malignancies. Washington, DC, July 19, 2008
202. **Pollack A.** “MRI Simulation for Prostate Cancer.” AAPM. Houston, Texas, July 28, 2008.
203. **Pollack A.** “Radiation as the primary treatment for localized disease.” 2<sup>nd</sup> Annual Perspectives in Urologic Oncology: A Case-Based Approach to Enhance Patient Management of Prostate, Renal and Bladder Cancer. Chicago, Illinois, September 5, 2008.
204. **Pollack A.** “How to write a translational clinical protocol?” ASTRO 2008 Annual Meeting. Boston, Massachusetts, September 20, 2008.
205. **Pollack A.** “eContouring for prostate” ASTRO 2008 Annual Meeting. Boston, Massachusetts, September 20, 2008.
206. **Pollack A.** “Adjuvant and salvage post-prostatectomy radiotherapy for prostate cancer.” GU Oncology Conference. New York, New York, October 24, 2008.

207. **Pollack A.** “Radiation therapy: Current and evolving concepts.” Current Trends in GU Malignancies. New York, New York, October 25, 2008.
208. **Pollack A.** “Prostate – anatomy, natural history and contouring.” RSNA Annual Meeting. Chicago, Illinois, December 3, 2008.
209. **Pollack A.** “IMRT for Prostate Cancer.” ASTRO Practicum on Advances in technology: Practical aspects on IMRT and proton therapy. Chandler, Arizona, January 22 and 23, 2009.

**30. Thesis and Dissertation Advising/Post-doctoral student supervision (chairman or committee member; topic; student name; date)**

**Graduate Student Committee, Chair:**

Catherine S. Wu, M.S. Univ. of Texas at Houston, Masters in Biology 1994-1996

**Graduate Student Committees:**

David Boothman, Ph.D., University of Miami, 1983-1986  
 Ph.D. in Microbiology and Immunology

Cindy Taylor, Ph.D., University of Miami, 1983-1986  
 Ph.D. in Microbiology and Immunology

Victor Howard, M.S. Univ. of Texas at Houston, Masters in Medical Physics 1994-1996

Dee-Ann Radford, M.S., Univ. of Texas at Houston, Masters in Medical Physics 1999-2001

Melita Nasca, Ph.D. Candidate, Univ. of Texas at Houston, 1999  
 Examining Committee

**VII. SERVICE**

**31. University Committee and Administrative Responsibilities [with inclusive dates]**

**Administrative Responsibilities (Since 1999):**

Faculty Senate, Member, MDACC 1994-2000

Graduate School of Biomedical Sciences Committee, Assoc. Member, MDACC 1995-2001

Associate Medical Director, Sarcoma Center, MDACC 1996-1999

Tumor Registry Steering Committee, Member, MDACC 1997-2001

GU Database Committee, Member, MDACC 1997-2001

Outcomes Steering Committee, Member, MDACC 1998-2001

Director, Residency Training Program, MDACC 1998-2001

Chair, Nominating Committee for Gilbert Fletcher Society 1999-2000

Section Head, Genitourinary Radiation Oncology, MDACC 1999-2001

Associate Medical Director, Genitourinary Center, MDACC 2000-2001

Chairman, Department of Radiation Oncology, FCCC 2001-2008

Program Leader, Prostate Cancer Working Group, FCCC 2001-2007

Executive Committee of Staff, FCCC 2001-2008

Ambulatory Care Committee, FCCC 2001-2008

Chair, 8HP Utilization Committee, FCCC 2003-2004

Promotion and Tenure Committee, FCCC 2003-2008

Advisory Committee, Geisinger Health System/FCCC Strategic Alliance	2004-2008
Honorary Chair, Employee United Way Campaign, FCCC	2004
Associate Director of Community Physician Relations, SCCC	2008-Present
Medical Executive Committee, UM	2008-Present
Dean's Quarterly Medical School Executive Group, UM	2008-Present
Member, SDG Physician Leadership, UM	2008-Present
Special Clinical Chairs, UM	2008-Present
Member, UMMG Leadership Council, UM	2008-Present
Member, Senior Leadership, UM	2008-Present
Member, Scientific Steering Committee, UM	2008-Present
Member, Radiation Oncology Operations Committee, UM	2008-Present
Chair, GU Malignancies Program, UM/SCCC	2008-Present

**32. Community Activities [with inclusive dates]**

Periodic Rectal screening examinations – Presbyterian Church, Philadelphia, PA	2002-2008
Periodic lectures to prostate cancer support groups	2001-Present