

## CURRICULUM VITAE

### **Donald R. Lannin, M.D., F.A.C.S.**

Professor, Department of Surgery, Section of Oncology and  
Department of Internal Medicine, Medical Oncology  
Executive Director and Co-Medical Director of the Yale Breast Center.

#### **Education:**

B.A. Biology , Stanford University  
Stanford, California  
September 1966 – June 1970

Doctor of Medicine, University of Minnesota  
Minneapolis, Minnesota  
September 1970 – May 1974

#### **Career:**

June 1974 – June 1975, Internship, General Surgery  
University of Minnesota  
Minneapolis, Minnesota

July 1975 – June 1982, Residency, General Surgery  
University of Minnesota  
Minneapolis, Minnesota

July 1977- June 1980, NIH National Research Service Fellowship (This fellowship was conducted while at University of MN but funded by NIH)

July 1982- June 1988, Assistant Professor, Surgery  
East Carolina University  
Greenville, North Carolina

July 1988- June 1993, Associate Professor, Surgery  
East Carolina University  
Greenville, North Carolina

July 1993 – June 2002, Professor, Surgery  
East Carolina University  
Greenville, North Carolina

#### **Board Certification:**

American Board of Surgery #29280,1983. Recertified 1992.

#### **Professional Honors or Recognition:**

Alpha Omega Alpha  
Who's Who in Science and Medicine  
American College of Surgeons Young Surgeon Award  
American Cancer Society Sword of Hope Award  
ECU Family Practice Residency Teaching Award

### **Grant History:**

1. Principal Investigator, "NSABP STAR Trial". 1999 - 2005
2. Co-Investigator, "Breast Cancer Screening in Eastern North Carolina". 7/87 - 6/91. NIH \$1,000,000 funded, in collaboration with UNC - School of Public Health.
3. Principal Investigator, "Psychosocial Factors Delaying Breast Cancer Presentation". American Cancer Society, \$240,130. 7/88 - 6/91 .
4. Principal Investigator, "Psychosocial Factors Delaying Breast Cancer Presentation". American Cancer Society, \$168,000. 7/91 - 6/93.
5. Co-Investigator, "Carolina Breast Cancer Study". NCI. Beth Newman, P.I. 5/1/93 - 4/30/98.
6. Principal Investigator, NSABP Breast Cancer Prevention Trial". NSABP, \$138,500. 6/1/93 - 5/31/98.
7. Co-Investigator, "NC Breast Cancer Screening Project". NIH, \$1,786,488. Joanne Earp, P.I. 1993-1999.
8. Principal Investigator, ECU Subcontract. "Managing Uncertainty to Promote Self Help in Breast Cancer". 1993-1997. \$143,000. Merle Mishel, Principal Investigator.
9. Principal Investigator, "Culturally Based Intervention for Breast Cancer in Rural African Americans". U.S. Army Medical Research Acquisition Activity, \$909,637.00. 9/30/96 - 12/31/01.

### **Lectures:**

1. The Effect of Cytomegalovirus Infection on the growth of murine fibrosarcomas. *Surgical Forum*. Chicago, Illinois. October 1979.
2. Two Distinct Types of Host Defense Mechanism against Murine Fibrosarcomas. American Association of Cancer Research. San Diego, Calif. May 1980.
3. The Effect of Cyclophosphamide in mice bearing Methylcholanthrene Induced Sarcomas. Society of University Surgeons Residents Meeting. Salt Lake City, Utah. February 1980.
4. The Thymus - Dependent Immune Response cannot mediate Immunosurveillance. *Surgical Forum*. Atlanta, Georgia. October 1980.
5. Local vs. Systemic Resistance to Tumors. The Association for Academic Surgery. Birmingham, Alabama. November 1980.
6. T cells must recognize Tumor Antigen in Association with Self-MHC Antigen. American Transplantation Society. Boston, Massachusetts. 1981.
7. Treatment of Experimental Liver Metastases with Localized Hyperthermia. Society of Surgical Oncology. (Ewing Society) New York, New York. May 1984.
8. Cost-Effectiveness of Fine Needle Biopsy of the Breast. Southern Surgical Association. Hot Springs, Virginia. December 1985.
9. Long Term Cure of Experimental Liver Tumors with Intraoperative Interstitial Hyperthermia. Association of Academic Surgery. Washington, D.C. November 1986.
10. A New Approach to Treatment of Liver Metastases. American Association of Cancer Research. Atlanta, Georgia. May 1987.
11. A Method to Selectively Localize Radioactive Protein Coated Beads within Tumors by Antibody Agglutination. Association of Academic Surgery. Salt Lake City, Utah. November 1988.
12. Difficulties in Diagnosis of Breast Cancer Before Age 50. American College of Surgeons, New Orleans, LA. October 1992.

13. Physical Exam for Breast Cancer Detection Is Less Sensitive for Women under 50. American Association of Cancer Research. San Francisco, CA. April 1994.
14. Influence of Patients' Confidant on Breast Cancer Presentation. NC. Cancer Research Symposium. Chapel Hill, February 1994.
15. Is the Hottest Node the Node Most Likely to be Positive in Lymphatic Mapping for Soft Tissue Tumors? American Society of Clinical Oncology. Los Angeles, CA. May 1998.
16. Prior Experience is the only Significant Factor Associated with Sentinel Node Mapping Failure in Breast Cancer. Society of Surgical Oncology. March 1999.
17. Facilitating Informed Screening Decisions: The Influence of Provider Discussions About Breast Cancer Risk and Screening Frequency. 24<sup>th</sup> Annual Meeting of the American Society of Preventive Oncology, Bethesda, Maryland. March 5-7, 2000.
18. The Need for Culturally Based Breast Cancer Education for Rural African American Women. Era of Hope. Department of Defense Breast Cancer Research Program Meeting. Atlanta, Georgia. June 8-12, 2000.
19. Comparison of Three Methods for Breast Lymphatic Mapping. Sentinel Node 2000, 2<sup>nd</sup> International Sentinel Node Congress. Santa Monica, California, December, 2000.
20. Preoperative Chemotherapy and Sentinel Node Biopsy for Breast Cancer. American Society of Breast Surgeons. Second Annual Meeting. La Jolla, California, May, 2001.
21. Comparison of Three Methods for Breast Lymphatic Mapping. Society of Surgical Oncology, Denver, Colorado, March 14-17, 2002.
22. Factors Contributing to a False Negative Sentinel Lymph Node Biopsy. American Society of Breast Surgeons, Boston, MA, April 24-28, 2002.
23. Impacting Cultural Attitudes in African-American Women to Decrease Breast Cancer Mortality. American Society of Breast Surgeons, Boston, MA, April 24-28, 2002.

*Undergraduate Teaching Activities:*

1. M1 Anatomy lectures
2. M3 Surgical clerkship - Instructor
3. M4 Surgery selective - Instructor
4. Preceptor for several independent student research projects which were presented at the annual "ECU Medical Student Research Day". November 1986, 1988, 1989, 1992, and 1999.

**Professional Service:**

1992-2001 Director, Leo W. Jenkins Cancer Center

2001 - 2002, Assistant Dean/Assistant Vice Chancellor for Clinical Research  
East Carolina University  
Greenville, North Carolina

*Editorial Boards*

1. Editor for Current Surgery, Surgical Oncology Section
2. Editor, Annals of Surgical Oncology, Breast Section

*ECU Committees*

1. University Policy and Review Committee on Human Research (1982 -1995)
2. "AIDS" Committee (1985-1991)
3. Promotion and Tenure Committee (1991-1992)
4. Leo W. Jenkins Cancer Center Executive Committee (1989-2001))
5. Compliance Committee (1998-present)

6. Faculty Senate (1998-2001)

*PCMH Committees*

1. Clinical Procedures Review Committee (1984 - 1988)
2. AIDS Care Committee (1986 - 1990)
3. Cancer Committee (1985 - present)
4. Nutrition Committee (1985 - 86)

*State and National Committees*

1. American Cancer Society, North Carolina Division; Medical and Scientific Committee (1984 - 1995)
2. American Cancer Society, North Carolina Division; Board of Directors (1984 - present)
3. American Cancer Society, Member of National Assembly (1997 - present)
4. American College of Surgeons, North Carolina Cancer Committee (1985 - present)
5. North Carolina Comprehensive Breast and Cervical Cancer Control Committee (1993 - present)

*Administrative Activities*

1. Chief of Surgical Oncology (1982 - present)
2. Director, ECU Breast Clinic (1985 -present)
3. Field Liason Officer representing ECU/PCMH to the Commission on Cancer, American College of Surgeons (1986 - present)
4. Director, Leo W. Jenkins Cancer Center (1992-2001)

**Bibliography:**

*Peer-reviewed Original Research*

1. Weissman I, **Lannin D**, Jerabek L, and Barclay T: Cellular immunity to heterologous erythrocytes in vitro. 1. The role of surface- adherent cells and specific mediators in an effector mechanism. *Cellular Immunology* 7:222-236, 1973.
2. Hayami M, Hellstrom I, Hellstrom KE and **Lannin DR**: Further studies of the ability of regressor sera to block cell-mediated destruction of Rous sarcomas. *Int. J. Cancer* 13:43-53, 1974.
3. **Lannin DR**, Howard R, Yu S, Collins ALT and McKhann CF: The effect of cytomegalovirus infection on the growth of murine fibrosarcomas -evidence for two separate host defense mechanisms against tumors. *Surgical Forum* 30:145-147, 1979.
4. **Lannin DR**, Yu S and McKhann CF: The thymus-dependent immune response cannot mediate immunosurveillance. *Surgical Forum* 31:400-402, 1980.
5. **Lannin DR**, Yu S, and McKhann CF: T cells must recognize tumor antigen in association with self-MHC antigen. *Transplantation Proceedings* 13(1):739-741, 1981.
6. Yu S, **Lannin DR**, Tsu-Collins, A.L., and McKhann, C.F.: Effect of cyclophosphamide on mice bearing methylcholanthrene-induced fibrosarcomas. *Cancer Research* 40:2756-2761, 1980.
7. **Lannin DR.**, Yu S, and McKhann CF: H-2 restriction of the T-cell response to chemically induced tumors: Evidence from FI - parent chimeras. *J. Immunology* 128(1): 263-268, 1982.

8. **Lannin DR**, Yu S, and McKhann CF: The thymus dependent response: Too little and too late for immunosurveillance. *Transplantation* 33(1):99- 100, 1982.
9. Thomas J, Merck T, Bray J, Smith M, **Lannin DR**, Pories WJ, and Thomas F: Synergistic Actions of Selenium and Polyclonal Immunoactivators. *Surgical Forum* 36:430-432, 1985.
10. **Lannin DR**, Silverman JF, Walker C, and Pories WJ.: Cost Effectiveness of Fine Needle Biopsy of the Breast. *Annals of Surgery* 203:474-480, 1986.
11. Silverman JF, **Lannin DR**, Meelheim D, and Pories WJ.: Subareolar Abscess of the Breast: The Role of Fine Needle Aspiration Biopsy in Diagnosis and Management. *Contemporary Surgery* 28:45-48, 1986.
12. Silverman JF, **Lannin DR**, Unverferth M, and Norris TH: Fine Needle Aspiration Cytology of Subareolar Abscess of the Breast: Spectrum of Cytomorphologic findings and potential diagnostic pitfalls. *Acta Cytologica* 30:413-419, 1986.
13. **Lannin DR**: Length of Hospital Stay for Routine Surgery. *Arch Surg* 122:120-121, 1987.
14. **Lannin DR**: Follow-Up of the Breast Cancer Patient. *North Carolina Medical Journal* 48(10):547-548, 1987.
15. Silverman JF, **Lannin DR**, O'Brien K, Norris T: The Triage Role of Fine Needle Aspiration Biopsy of Palpable Breast Masses: Diagnostic Accuracy and Cost Effectiveness. *Acta Cytol* 31:731-736, 1987.
16. Flickinger EG, Stanforth CA, Sinar DR, MacDonald KG, **Lannin DR**, and Gibson JH: Intraoperative Video Panendoscopy for Diagnosing Sites of Chronic Intestinal Bleeding. *American Journal of Surgery* 157:137-144, 1989.
17. Silverman JF, **Lannin DR**, Larkin EW, Feldman P, Frable W: Fine Needle Aspiration Cytology of Postirradiation Sarcomas, Including Angiosarcoma, With Immunocytochemical Confirmation. *Diagnostic Cytopathology* 5(3) :275-281, 1989.
18. Finley JF, Silverman JF, and **Lannin DR**: Fine Needle Aspiration Cytology of Breast Masses in Pregnant and Lactating Women. *Diagnostic Cytopathology* 53:255-259, 1989.
19. DeMasi RJ. and **Lannin DR**: Meleney's Synergistic Gangrene. *Infections in Surgery* 9(9): 38-40, 1990.
20. Harris RP, Fletcher SE, Gonzalez JJ, **Lannin DR**, Degnan D, Earp JA, Clark R: Mammography and Age: Are We Targeting the Wrong Women? *Cancer* 67:2010-2014, 1991.
21. **Lannin DR**: Preoperative Chemotherapy for Breast Cancer. *Current Surgery* 48(3): 132-135, 1991.
22. Fletcher SW, Harris RP, Gonzalez JJ, Degnan D, **Lannin DR**, Strecher, Victor J., Pilgrim, Carol, Quade, Dana, Earp, JoAnne, and Clark, Richard L.: Increasing Mammography Utilization Among Older Women: A Controlled Study. *JNCI* 85:112-120, January 1993.
23. **Lannin DR**, Harris RP, Swanson FH, Edwards MS, Swanson MS, and Pories WJ: Difficulties in Diagnosis of Breast Cancer before Age 50. *Surgical Gynecology and Obstetrics*, 177:457-462, November 1993.

24. Mathews HF, **Lannin DR**, and Mitchell JP: Coming to Terms with Advanced Breast Cancer: Black Women's Narratives from Eastern North Carolina. *Journal of Social Science and Medicine*, 38(6):789-800, 1994.
25. Royak-Schaler R, DeVellis BM, Sorenson JR, **Lannin DR**, Wilson KR, and Emerson JA. Breast Cancer in African American Families: Risk Perception, Cancer Worry and Screening Practices of First Degree Relatives. *Annals of the New York Academy of Sciences*. 768(9):281-285, 1995.
26. DeMasi RJ, **Lannin DR**. Isolated Splenic Metastasis from Colon Carcinoma: Successful Management with Splenectomy. *Surgical Rounds*. 19(12):559-561, 1996.
27. Thomas P, Raab M, **Lannin DR**, Slagel D, Silverman J. Racial Differences in Breast Cancer in a Rural Population: Comparison of Cytologic Nuclear Grade, Other Prognostic Factors, and Outcomes for Tumors Diagnosed by Fine-Needle Aspiration Biopsy. *The Breast Journal*. 4(2):104- 111, 1998.
28. Silverman JF, Raso DS, Elsheikh TM, **Lannin DR**. Fine-Needle aspiration cytology of subareolar abscess of the male breast. *Diagn Cytopathol* Jun;18(6):441-4, 1998.
29. **Lannin DR**, Mathews HF, Mitchell J, Swanson M, Swanson F, Edwards M. The Influence of Race, Socioeconomic Factors, and Cultural Factors on Breast Cancer Stage in the Rural Southern United States. *Journal of the American Medical Association*. 279(22): 1801-1807, 1998.
30. Hrushesky WJM, **Lannin DR**, Haus E. Evidence for an Ontogenetic Basis for Circadian Coordination of Cancer Cell Proliferation. *Journal of the National Cancer Institute*. 90(19): 1480-1484, 1998.
31. Tafra L, Chua A, Ng P, Aycock D, Swanson M, **Lannin DR**. Filtered Versus Unfiltered Technetium Sulfur Colloid in Lymphatic Mapping: A Significant Variable in a Pig Model. *Annals of Surgical Oncology*, 6(1): 83-87, 1999.
32. Hrushesky WJM, Lester B, **Lannin DR**. Circadian Coordination of Cancer Growth and Metastatic Spread. *Int. J. Cancer*: 83, 365-373 (1999).
33. Pololi L, **Lannin DR**, Mathews H, Mitchell J, Swanson MS, Swanson FH. The Need for Culturally Based Breast Cancer Education for Women Living in North Carolina. *Medical Encounter: A Publication of the American Academy on Physician & Patient*. Vol. 15, No. 4. 10-11, Fall 2000.
34. Tafra L, **Lannin DR**, Swanson M, VanEyck JJ, Verbanac KM, Chua AN, Ng PC, Edwards MS, Halliday BE, Henry CA, Sommers LM, Carman CM, Molin MR, Yurko JE, Perry RR, Williams R. Multicenter Trial of Sentinel Node Biopsy for Breast Cancer Using Both Technetium Sulfur Colloid and Isosulfan Blue Dye. *Annals of Surgery*. Vol 233, No. 1, 51-59, 2001.
35. Kersey TW, VanEyck J, **Lannin DR**, Chua AN, Tafra L. Comparison of Intradermal and Subcutaneous Injections in Lymphatic Mapping. *Journal of Surgical Research*. 96(2): 255-9, 2001 Apr.
36. Tafra L, Verbanac KM, **Lannin DR**. Preoperative Chemotherapy and Sentinel Lymphadenectomy for Breast Cancer. *The American Journal of Surgery*. 182 (2001) 312-315.
37. Royak-Schaler R, Klabunde CN, Greene WF, **Lannin DR**, DeVellis B, Wilson KR, Chevront B. Communicating Breast Cancer Risk: Patient Perceptions of Provider Discussions. *Medscape Women's Health eJournal* 7(2), 2002.
38. **Lannin DR**, Mathews HF, Mitchell J, Swanson MS. Impacting cultural attitudes in African-American women to decrease breast cancer mortality. *The American Journal of Surgery*. 184 (2002) 418-423.
39. Mitchell J, **Lannin DR**, Mathews HF, Swanson MS. Religious beliefs and breast cancer screening. *Journal of Women's Health & Gender-Based Medicine*. Vol. 11 (2002) in press

*Editorials, Reviews, Chapters, Books*

1. **Lannin DR** and McKhann CF: Current status of Carcinoembryonic Antigen (CEA) in gastrointestinal malignancy. *Gastrointestinal Surgery*, J.S. Najarian J.P. Delaney, Eds., *Symposia Specialists*, Miami, 1979.
2. **Lannin DR**: "Breast Cancer" in Guidelines for the Follow- Up of The Cancer Patient. Robert S. Sandler (ed) *The North Carolina Division of the American Cancer Society* 1987; pp.1-2.
3. **Lannin DR**: Surgical Pro's and Con's - Medical Malpractice. *Journal of American College of Surgeons*, 79:505-508, 1994.
4. **Lannin DR**, Scott-Conner CEH. Breast surgery, pp. 68-70. In: Cox SS, Pories WJ, Foil MB, Patselas TN, eds. *Surgical Resident Curriculum*, 2nd ed. The Association of Program Directors in Surgery, Arlington VA, 1995.
5. Kopelman LM, **Lannin DR**, and Kopelman AE: Preventing and Managing Unwarranted Biases Against Patients. Surgical Ethics. McCullough LM, Brody B, (ed.) Oxford University Press 1998; pp. 242-254.