

## CURRICULUM VITAE

**William D. Dupont, PhD, FASA**

**December 10, 2025**

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### EDUCATION

McGill University, Montreal, QC, Canada  
BSc 1969 — Mathematics

McGill University, Montreal, QC, Canada  
MSc 1971 — Mathematics  
Thesis: An adaptive automatic integration algorithm based on Simpson's rule.

The Johns Hopkins University, Baltimore, MD  
PhD 1977 — Biostatistics  
Dissertation: A stochastic method for estimating animal abundance from catch-effort data.

### ACADEMIC APPOINTMENTS

1976 – 1977	Lecturer University of Maryland in Baltimore County
1977 – 1985	Assistant Professor of Preventive Medicine (Biostatistics) Vanderbilt University School of Medicine
1986 – 1992	Associate Professor of Preventive Medicine (Biostatistics, with tenure) Vanderbilt University School of Medicine
1987 – 1988	Acting Director, Division of Biostatistics Vanderbilt University School of Medicine
1989 – 2003	Director, Division of Biostatistics Vanderbilt University School of Medicine

1992 – 2003	Professor of Preventive Medicine (Biostatistics) Vanderbilt University School of Medicine
1994 – 1997	Director, Biostatistics/Data Management Shared Resource Vanderbilt Cancer Center Vanderbilt University School of Medicine
2003 – present	Professor of Biostatistics Vanderbilt University School of Medicine
2010 – 2019	Vice-Chair for Academic Affairs, Department of Biostatistics Vanderbilt University School of Medicine
2013 – present	Professor of Health Policy Vanderbilt University School of Medicine

## PROFESSIONAL ORGANIZATIONS

1. *International Biometric Society*, 1974 – present
2. *American Statistical Association*, 1975 – present
3. *Society for Clinical Trials*, 1980 – 1998
4. *Society for Epidemiologic Research*, 1985 – 1994
5. *American Association for the Advancement of Science*, 1987 – 2003, 2018 – present

## PROFESSIONAL ACTIVITIES

### Intramural

1. Member of the Graduate Faculty Delegate Assembly at Vanderbilt University, 1979 – 1982
2. Member of the Clinical Research Center Advisory Committee, 1985 – 1989
3. Member of the Medical Center Quality Care Committee, 1987 – 1989
4. Member of the Cancer Prevention Research Program, Vanderbilt-Ingram Cancer Center, 1998 – present
5. Member of the Bioinformatics Faculty Recruitment Task Force, 1999 – 2000
6. Member of the Faculty Appointments and Promotions Committee of Vanderbilt University School of Medicine, 2003 – 2009
7. Member of the Biostatistics Faculty Appointments and Promotions Committee, 2003 – 2024
8. Member of the Medical Center Tenure Review Committee, 2010 – 2012
9. Member of the Biostatistics Department Awards Committee, 2014 – 2020, 2025
10. Reviewer for Mock R01 program, Edge for Scholars at Vanderbilt, 2021
11. Member of the Vanderbilt Genetics Institute, 2015 – present

## Extramural

1. I have refereed papers for the following journals:
  - i) *American Journal of Epidemiology*
  - ii) *American Journal of Obstetrics and Gynecology*
  - iii) *American Journal of Public Health*
  - iv) *American Statistician*
  - v) *Biometrical Journal*
  - vi) *Biometrics*
  - vii) *Breast*
  - viii) *Cancer*
  - ix) *Cancer Causes and Control*
  - x) *Cancer Research*
  - xi) *Clinical Pharmacology & Therapeutics*
  - xii) *Computer Methods and Programs in Biomedicine*
  - xiii) *Controlled Clinical Trials*
  - xiv) *Drug Safety*
  - xv) *European Journal of Cancer and Clinical Oncology*
  - xvi) *Human Pathology*
  - xvii) *International Journal of Cancer*
  - xviii) *International Journal of Epidemiology*
  - xix) *JAMA Oncology*
  - xx) *Journal of Andrology*
  - xxi) *Journal of the National Cancer Institute*
  - xxii) *Journal of Wildlife Management*
  - xxiii) *Menopausal Medicine*
  - xxiv) *Nature Communications*
  - xxv) *New England Journal of Medicine*
  - xxvi) *PLOS ONE*
  - xxvii) *Radiation Effects Research Foundation Technical Reports*
  - xxviii) *Southern Medical Journal*
  - xxix) *Stata Journal*
  - xxx) *Statistics in Medicine*
2. Local Arrangements Co-Chair, Spring Meeting of the International Biometric Society (Eastern North American Region) in Nashville, 1983.
3. Member of the National Cancer Institute's Breast Cancer Working Group, 1988 – 1990.
4. Referee for American Cancer Society postdoctoral fellowship applications, 1989.
5. Participant in the NCI Breast Cancer Progress Review Group, Baltimore, MD, 1997.
6. Member of the American Joint Committee on Cancer: Statistics Committee, 2000 – 2001.
7. Member of the Environmental Influences on Child Health Outcomes (ECHO) – Children's Respiratory and Environmental Workgroup (CREW) Publication Committee, 2018 – 2020.
8. Member of the Scientific Committee, Stata Conference, Nashville, 2025.

### ***Membership on Data Safety and Monitoring Boards***

1. Effect of Polyunsaturated Lecithin on Liver Fibrosis. Department of Veterans Affairs Cooperative Study #391, Baltimore, MD, 1994 – 2000.
2. Surgical Infection Society (SIS) multicenter study of duration of antibiotics for intra-abdominal infection. Principal Investigator: Robert G. Sawyer, MD, University of Virginia. NIH grant # R01 GM 081510.
3. Phase 3 Norepinephrine Transporter Blockade, Autonomic Failure IND117394. Principal Investigator: Cyndya Shibao, MD, Vanderbilt University School of Medicine, 2012.
4. Randomized Double-Blind Placebo-Controlled Adaptive Design Trial of Intrathecally Administered Autologous Mesenchymal Stem Cells in Multiple System Atrophy. Principal Investigator: Wolfgang Singer, MD, Mayo Clinic, Rochester, MN.
5. Phase 2 Clinical Trial entitled “2-HOBA to Reduce Modification of HDL and Improve HDL Function in Familial Hypercholesterolemia (FH).” Principal Investigator: MacRae F. Linton, MD, Vanderbilt University School of Medicine.

### ***Editorial Advisory Boards***

1. *Cancer*, 1995 – 2003
2. *The Breast*, 1996 – 2008

### ***Associate Editorships***

1. *Stata Journal*, 2004 – present

### ***Membership in NIH Study Sections and Review Committees***

1. *Epidemiology and Disease Control Study Section-2*
  - i) October 12–14, 1988
  - ii) February 5–8, 1991
  - iii) October 19–21, 1992
  - iv) February 3–5, 1993
  - v) March 18–19, 1996
2. *Epidemiology and Disease Control Study Section-1*
  - i) August 9, 1988
  - ii) December 15, 1988
  - iii) March 29, 1989
3. *Subcommittee E- Cancer Epidemiology, Prevention and Control*
  - i) August 4, 2004
  - ii) September 29, 2004

4. *Geriatrics and Rehabilitation Study Section*
  - i) February 21, 1995
5. *Special Study Section for Small Grants in Epidemiology*
  - i) April 19, 1989
  - ii) August 8, 1989
  - iii) December 4, 1990
6. *RFP Reviews*
  - i) June 28, 1990, NIAID
  - ii) April 12, 1992, NICHD
7. *Special Review or Study Section*
  - i) April 21, 1988
  - ii) November 16, 1988
  - iii) April 28, 1994
  - iv) January 13, 1998
8. *NCI Special Emphasis Panel*
  - i) November 2002, Community Clinical Oncology Program Grant Review
  - iii) July 2003, Consortium Therapeutic Studies of Primary Central Nervous System Malignancies in Adults
  - iv) October 2013, Core Infrastructure and Methodological Research for Cancer Epidemiology Cohorts (UM1)
  - v) April 2014, NCI Community Oncology Research Program (NCORP) Community Sites (UM1)
9. *NCI Initial Review Group: Subcommittee H – Clinical Groups*
  - i) October 26–28, 2003, Review of the Gynecologic Oncology Group grant application.
  - ii) October 13–14, 2008, Review of Cancer and Leukemia Group B (CALGB) grant application.
10. *Clinical Oncology Study Section*
  - i) October 11–12, 2010.
11. *NCI Community Oncology Research Program*
  - i) April 24–24, 2014. Telephone review of grants in response to RFA-CA-13-013.
12. *Site Visit Committees*
  - i) March 20–21, 1991, Harvard University, NCI Special Review.
  - ii) January 29, 1993, University of Texas, EDC-2.

- iii) November 16–18, 1994, Columbia University, NCI, Breast Cancer and the Environment of Long Island.
- iv) October 22–24, 1995, Harvard University, NCI Special Review.
- v) October 6–8, 1997, Johns Hopkins University, NCI Review Panel.
- vi) March 11–13, 1998, Cleveland Clinic Cancer Center, NCI Review Panel.
- vii) May 20–22, 1998, Fred Hutchinson Cancer Research Center, NCI Review Panel.
- viii) June 17, 1998, Johns Hopkins University, NCI Review Panel.
- ix) September 15–16, 2003, Roswell Park Cancer Institute, Buffalo, New York: NCI Review Panel for the Gynecologic Oncology Group Statistical and Data Center.

### **Special Awards or Recognition for Professional Activities**

- 2003 Ernest W. Goodpasture Award – with David L. Page for collaborative studies that address important biological problems and their role in disease pathogenesis.
- 2009 Selected as a fellow of the American Statistical Association.
- 2013 Selected as a scholar in the Vanderbilt Center for Health Services Research.
- 2020 Selected for membership in the Academy for Excellence in Education of the Vanderbilt University School of Medicine.
- 2021 Arbogast Collaborative Publication Award – with W. Dale Plummer for an outstanding collaborative publication from a biostatistician or team of biostatisticians in the Department of Biostatistics at Vanderbilt University School of Medicine.

### **Continuing Education — Short Courses Attended**

- 1. The Statistical Analysis of Failure Time Data. Given by JD Kalbfleisch and RL Prentice. Toronto, Ontario, Canada, 1981.
- 2. Advanced Statistical Methods in Epidemiology. Given by NE Breslow, NE Day, D Claton, and J Kaldor. University of Washington, Seattle, WA, 1988.
- 3. Short Course on Meta-Analysis. Given by T Chalmers and I Olkin. Sponsored by the Centers for Disease Control. Atlanta, GA, 1993.
- 4. Statistical Methods for Genetic Epidemiology. Given by Robert C. Elston and Daniel J. Schaid. Biometric Society Spring Meetings. Cleveland, OH, 1994.
- 5. Visualizing Data with Trellis Graphics. Given by Stephen Kaluzny. The International Biometric Society (ENAR) Meeting. Memphis, TN, 1997.
- 6. Writing Mixed Models and SAS PROC MIXED for Repeated Measures and Random Effects Data. Given by RD Wolfinger. The International Biometric Society (ENAR) Meeting. Memphis, TN, 1997.
- 7. Statistical Analysis with Missing Data. Given by RJA Little and TE Raghunathan. The International Biometric Society (ENAR) Meeting. Pittsburgh, PA, 2004.
- 8. Modeling and Analysis of Categorical Data with Overdispersion. Given by Jorge Morel and Nagaraj Neerchal. Joint Statistical Meetings. Toronto, Ontario, Canada, 2004.
- 9. Power and Sample Size Analysis Using New SAS/STAT Software. Given by John Castelleo. Joint Statistical Meetings. Toronto, Ontario, Canada, 2004.

10. Statistical Genetics. Given by Kenneth Lange, Janet Sinsheimer and Eric Sobel. Joint Statistical Meetings. Salt Lake City, UT, 2007.
11. Absolute Risk Prediction. Given by Mitchell H. Gail and Ruth Pfeiffer, Joint Statistical Meetings. Washington, DC, 2009.
12. Multilevel and Mixed Models in Stata. Given by Roberto G. Gutierrez. Joint Statistical Meetings. Washington, DC, 2009.
13. Causal Inference. Given by Miguel Hernan and James Robins. Joint Statistical Meetings. Vancouver, BC, Canada, 2010.
14. Statistical Methods for Genome-wide Association Studies. Given by Jennifer Clarke and Adrian Dobra. Joint Statistical Meetings. Vancouver, BC, Canada, 2010.
15. Sensitivity Analysis with Missing Data: Statistical Methods and Case Studies. Given by Joseph Hogan and Daniel Scharfstein. ENAR Spring Meeting. Washington, DC, 2012.
16. Statistical Genetic and Genomic Analysis of Complex Traits with GWAS and Next Generation Sequencing Data. Given by Hongyu Zhao and Fei Zou. ENAR Spring Meeting. Austin, TX, 2016.
17. Interactive Data Visualizations in R with shiny and ggplot2. Given by Garrett Golemund. ENAR Spring Meeting. Austin, TX, 2016.
18. A New Paradigm for Finding the Subset of Patients who Benefit from a Test Treatment. Given by Richard Simon and Noah Simon. ENAR Spring Meetings. Austin, TX, 2016.
19. Quantile Regression for Survival Analysis. Given by Limin Peng. ENAR Spring Meeting. Austin, TX, 2016.
20. Machine Learning, Artificial Intelligence, and Precision Medicine. Given by Haoda Fu and Yufeng Liu. ENAR Spring Meeting. Washington, DC, 2017.
21. Statistical Evaluation of Medical Risk Prediction Models in the Presence of Competing Risks. Given by Michael W. Kattan and Thomas A. Gerds. ENAR Spring Meeting. Washington, DC, 2017.
22. Statistical Analysis of RNA Sequencing Data. Given by Mingyao Li. ENAR Spring Meeting. Washington, DC, 2017.
23. Data-driven Modeling Techniques for Medical Decision Making. Given by Madhu Mazumdar. ENAR Spring Meeting. Washington, DC, 2017.
24. Statistical Issues in Comparative Effectiveness Research. Given by Sharon-Lise Normand. ENAR Spring Meeting. Washington, DC, 2017.
25. Causal Inference and Treatment Effect Estimation using Stata. Given by Enrique Pinzon. Stata Conference. Nashville, TN, 2025.
26. Deep Learning Methods in Advanced Statistical Problems. Given by Hongtu Zhu, Ziao Wang and Runpeng Dai. Joint Statistical Meetings. Nashville, TN, 2025.

## TEACHING

### 1. At Vanderbilt

#### *Courses Given*

- i) Medical Statistics (PM 502): Taught 1978 – 1980.

- ii) The Analysis of Failure Time Data (BIOS 294): Developed and taught 1980.
- iii) Biostatistics 2 (PUBH 514-5509) course on generalized linear models, survival analysis and analysis of variance given in the MPH program: Developed and taught 1997, 1999, and 2001 – 2025.
- iv) Biostatistics 1 (PUBH 514-5502) course on basic concepts and methods of biostatistics given in the MPH program: Developed and taught 2009.
- v) Introduction to Study Design (BIOS 6306): Developed and taught 2016 – 2024.

*Lectures and Seminars*

- vi) Epidemiology for Engineering Students (EWRE 327): A series of 3 lectures, 1978 – 1982.
- vii) The Design and Analysis of Electrocardiographic Experiments: Clinical Pharmacology seminar, 1978.
- viii) Statistical Power and Sample Size Calculations: Department of Surgery seminar, 1981.
- ix) Analyzing Data from Clinical Trials: Clinical Pharmacology seminar, 1981.
- x) Principles of Public Health and Preventive Medicine (PM 503): Gave lectures on case control studies and on clinical trials. Led discussion groups on these and other topics, 1984.
- xi) Cancer, Basic Concepts (PATH 5210): Gave introductory lecture on cancer epidemiology, 1984.
- xii) Fundamentals of Clinical Trials (MED 533): Gave lecture on hypothesis testing, statistical inference, and sample size calculations for clinical trials, 1984.
- xiii) Principles of Epidemiology, Biostatistics and Preventive Medicine (PM 501): Organized a three-week section on cancer epidemiology. Gave lectures on population-based studies, case-control studies, and cohort studies. Introduced concepts of hypothesis testing, statistical power, and sample size determination, 1985 – 1987, 1999. Gave lectures on clinical trials, 1988, 1995 – 1997; statistical inference, 1988, 1989, 1996, and 1997; screening for cancer, 1990. Led group sessions on these topics, 1991 – 1998, 1999, 2002.
- xiv) Epidemiology of Breast Cancer: Obstetrics and Gynecology Grand Rounds given with DL Page, 1986. Broadcast on the VMT television network and published on video cassette.
- xv) Risk Factors for Breast Cancer in Women with Proliferative Breast Disease: Preventive Medicine seminar, 1986.
- xvi) Sample Size Estimation in Matched Case-Control Studies: Preventive Medicine seminar, 1987.
- xvii) Controversies in Clinical Trials: Cardiology seminar, 1987.
- xviii) Introduction to Survival Analysis: Center for Fertility and Reproductive Research Seminar, 1988.
- xix) Does Replacement Estrogen Increase the Risk of Breast Cancer? Preventive Medicine Research Conference, 1989.
- xx) What Are the Frontiers of Research in Benign Breast Disease? Preventive Medicine Research Conference, 1989.

- xxi) Some Common Statistical Errors in the Medical Literature: Clinical Pathology Conference, 1990.
- xxii) Model for Continuous Data with Constant Variance: Seminar on Chapter 3 from McCullagh and Nelder, *Generalized Linear Models*, given to the Middle Tennessee Chapter of the American Statistical Association, 1990.
- xxiii) Models for Survival Data: Seminar on Chapter 13 from McCullagh and Nelder, *Generalized Linear Models*, given to the Middle Tennessee Chapter of the American Statistical Association, 1990.
- xxiv) Two-Stage Linear Models: Seminar on Chapter 6 from Crowder and Hand, *Analysis of Repeated Measures*, given to Middle Tennessee Chapter of the American Statistical Association, 1991.
- xxv) Breast Cancer Risk Associated with Proliferative Breast Disease and Atypical Hyperplasia: Preventive Medicine Research Conference, 1992.
- xxvi) An Overview of Meta-Analysis: Methods for Reviewing Medical Literature: Preventive Medicine Research Conference, 1993.
- xxvii) Understanding (explaining) the Relationship Between Relative and Absolute Risk: Preventive Medicine Research Conference, 1995.
- xxviii) Lies, Damn Lies, and Statistics: Pediatric Neonatology Seminar, 1995.
- xxix) Hormone Replacement Therapy and Breast Cancer: Breast Cancer Training Grant (LM Matrisian, PI), December 1995.
- xxx) The Pros and Cons of Hormonal Replacement Therapy: Preventive Medicine Seminar, November 1997.
- xxxi) Estrogen Replacement Therapy in Women with a History of Proliferative Breast Disease: Preventive Medicine Conference, December 1997.
- xxxii) A Brief Introduction to Logistic Regression and Survival Analysis: Can You Survive This Regression? Pulmonary Medicine Seminar, March 1999.
- xxxiii) Transforming Growth Factor- $\beta$  Type II Receptors and Breast Cancer Risk in Women with Mammary Epithelial Hyperplasia: Preventive Medicine Seminar, January 2000, also given to the Vanderbilt Program in Human Genetics, February 2000.
- xxxiv) How to calculate sample size and statistical power using the PS software program. GCRC Research Skills Workshop, May 2002.
- xxxv) TGF- $\beta$ 1 T29→C Polymorphism and Breast Cancer Risk in Women with and without Proliferative Disease: VICC Breast Cancer Program Seminar, October 2003.
- xxxvi) How to use the sample size software PS for survival analyses and complex study designs. GCRC Research Skills Workshop, October 2003.
- xxxvii) Using Density Distribution Sunflower Plots for the Display of Dense Bivariate Data. Biostatistics Seminar, August 2004.
- xxxviii) Introduction to Logistic Regression. GCRC Research Skills Workshop Series, November 2004.

- xxxix) Some considerations for using PS sample size software. MS Biostatisticians Workshop, March 2006.
- xi) The Conditionality Principle and 2x2 Contingency Tables: Some Thoughts on the Foundations of Statistical Inference: Part I. Biostatistics Seminar given with Leena Choi, April 2006.
- xli) The Conditionality Principle and 2x2 Contingency Tables: Some Thoughts on the Foundations of Statistical Inference: Part II. Biostatistics Seminar given with Leena Choi, April 2006.
- xlii) How to do Power & Sample Size Calculation - Part 1. GCRC Research Skills Workshop Series, October 2007.
- xlili) How to do Power & Sample Size Calculation - Part 2. GCRC Research Skills Workshop Series, October 2007.
- xliv) Introduction to Power and Sample Size Calculations. Department of Pathology Seminar, November 2007.
- xliv) Response Feature (Two-Stage) Analysis of Longitudinal Data: A simple approach to analyzing complicated data. Biostatistics Seminar, April 2010.
- xlvi) Response Feature (Two-Stage) Analysis of Longitudinal Data: A simple approach to analyzing complicated data. Vanderbilt Neurocardiology Rounds, May 2010.
- xlvii) Lasso Regression: Some thoughts and simulation studies: MS Biostatisticians Journal Club, September 2012.
- xlvi) Grant Writing as a Collaborator or Principal Investigator: Lecture in SPR.GS.BIOS.352 Statistical Collaboration in Health Sciences II, April 2013, February 2014, October 2014 – 2018.
- xliv) Relative and Absolute Risks: Explaining the practical implications of research findings to patients and clinicians. Symposium on Personalized Risk Prediction, April 2013.
- i) Stopping Rules in Clinical Trials and Approaches to Phase II Studies. Presentation to the Vanderbilt Neurocardiology Study Group, June 2013.
- ii) Introduction to Clinical Trials. Lecture given as part of the Graduate Program in Cellular and Molecular Pathology course Pathology 8351, "Cellular and Molecular Basis of Disease," November 2013.
- iii) Building your Dossier for Promotion and Tenure. Seminar given to the Newman Society, February 2014.
- liii) Statistical Issues in Grant Writing: Introduction to Power & Sample Size Calculations. Lecture given in PUBH 5539 course entitled "Grant Writing and Scientific Communication," May 2014.
- liv) Introduction to Causal Inference. Seminar given to the Center for Asthma Research, December 2014.
- lv) Introduction to Causal Inference, Part 2. Seminar given to the Center for Asthma Research, January 2015.
- lvi) Introduction to Marginal Structural Models: How to analyze longitudinal data when previous treatments affect subsequent covariates which in turn influence subsequent treatment. Seminar given to the Center for Asthma Research, October 2015.

- lvii) Introduction to Causal Inference, Part 1. Seminar given to the graduate students in biostatistics, January 2016.
- lviii) Introduction to Causal Inference, Part 2. Seminar given to the graduate students in biostatistics, January 2016.
- lix) Introduction to Marginal Structural Models. Seminar given to the Department of Biostatistics, January 2016, and the Center for Health Services Research, May 2016.
- lx) Propensity score analysis. Seminar given to the Center for Asthma Research, January 2021.
- lxi) Survival analysis using strata defined by time-dependent propensity scores. Seminar given to the Continuing Education – Method Implementation Workshop of the Department of Biostatistics, February 2021.
- lxii) Sample size and power calculations. Seminar given to the Center for Asthma Research, April 2022.
- lxiii) Marginal structural models of longitudinal survival data with propensity scores. Seminar given to the Center for Asthma Research, June 2022.
- lxiv) Target Trial Emulation. Seminar given to the Center for Asthma Research, May 2023.

## **2. At Other Universities**

### *Courses Given*

- i) Introduction to Statistics for Social Scientists (Math 0121, University of Maryland): Taught 1976, 1977.
- ii) Ideas in Mathematics (Math 0100, University of Maryland): Taught 1977.

### *Lectures and Seminars*

- iii) Comparing Low Mortality Rates in Longitudinal Censored Observational Data. Seminar given at Johns Hopkins University, 1979.
- iv) The Analysis of Cohort Data in Ecologic Statistics. Seminar given at Utah State University and Johns Hopkins University, 1980.
- v) Principles of Data Management for Ecologists. Seminar given at Utah State University, 1981.
- vi) A Stochastic Catch-Effort Method for Estimating Animal Abundance. Seminar given at Johns Hopkins University in 1982 and at the Savannah River Ecology Laboratory, 1985.
- vii) Risk Factors for Breast Cancer in Women with Proliferative Breast Disease. Seminar given at the Université de Montpellier, France, and at the Certificat International des Maladies du Sein, Paris, France, 1986.
- viii) Power Calculations for Matched Case-Control Studies. Seminar given at Johns Hopkins University, 1987.
- ix) Premalignant Markers of Increased Breast Cancer Risk. Seminar given at the National Institute of Environmental Health Sciences, 1992.
- x) Understanding (explaining) the Relationship Between Relative and Absolute Risk. Seminar given at the Memorial Sloan-Kettering Cancer Institute, New York, NY, 1995.

- xi) The Relationship of Proliferative Changes and Fibroadenoma to Breast Cancer Risk. Pathology Grand Rounds. St. Barnabas Medical Center, Livingston, NJ, 1995.
- xii) L'Oestrogénothérapie Substitutive et le Risque de Cancer du Sein. Seminar given at the Institut Paoli-Calmettes, Marseille, France, 1995.
- xiii) Les Mastoses Prolifératives, les Adénofibrome et le Risque de Cancer du Sein. Seminar given at the Institut Paoli-Calmettes, Marseille, France, 1995.
- xiv) Benign Breast Diseases, Hormonal Replacement Therapy and Breast Cancer Risk. Centro de Estudos Olinto de Oliverira Instituto Fernandis Figueira Rio de Janeiro, Brazil, June 1995.
- xv) Effects of Protein Phosphatase 2A Subunit Gene haplotypes and Proliferative Breast Disease on Breast Cancer Risk. Mayo Clinic, Rochester, MN, May 2009.
- xvi) Identifying a Breast Cancer Genetic Locus at NCOA7 through a Multi-stage Association Study. Biostatistics Division, Washington University School of Medicine, St. Louis, MO, October 2011.
- xvii) Introduction to Longitudinal Data Analysis. Guest lecture given as part of Course 321: Applied Epidemiologic Methods in Regression I: Binary Data. Meharry Medical College, Nashville, TN, November 2012.

#### **Membership on PhD Committees and Student and Faculty Mentoring**

*At Vanderbilt University unless otherwise indicated.*

L. Renee Bailey, PhD. Pathology, 1996 – 1998

PhD dissertation: "Genetic Susceptibility and Carcinogen Metabolism in Breast Cancer Molecular Epidemiology"

Role: PhD Advisory Committee member

S. Trent Rosenbloom, MD, MPH, FACMI, FAMIA. Informatics, 2001 – 2002

MPH thesis: "Patterns of Serum Magnesium Testing at Vanderbilt University Medical Center"

Role: MPH mentor

Dr. Rosenbloom is currently Vice Chair of Faculty Affairs and Professor of Biomedical Informatics, Internal Medicine & Pediatrics, and Nursing at Vanderbilt University

Brian Yaspan, MPH, PhD. Cancer Biology, 2005 – 2008

PhD dissertation: "Genetic Predisposition to Prostate Cancer: The Contribution of the HPCX locus and TGFBI gene"

Role: PhD Advisory Committee member

Dr. Yaspan is currently Distinguished Scientist at Genentech

Kecia N. Carroll, MD, MPH, FAAP. Pediatrics, 2007 – 2015

Role: Mentoring Committee member

Dr. Carroll is currently Division Chief of General Pediatrics at Mount Sinai, and Professor of Pediatrics and Environmental Medicine at Icahn School of Medicine at Mount Sinai and Mount Sinai Kravis Children's Hospital

Pingsheng Wu, MS, PhD. Biostatistics, 2007 – 2015

Role: Mentoring Committee member

Dr. Wu is currently Research Professor of Medicine and Biostatistics at Vanderbilt University

Vincent Agboto, PhD. Biostatistics, Meharry Medical College, 2008 – 2014

Role: Mentoring Committee member

Dr. Agboto is currently Senior Scientist and Econometrician at Dobson DaVanzo & Associates, and Adjunct Lecturer at Columbia University, School of Professional Studies

Emily Rose Holzinger, PhD. Human Genetics, 2010 – 2013

Role: PhD Advisory Committee member

Dr. Holzinger is currently Senior Director of Statistical Genetics at Bristol Myers Squibb

Renee W. Ward, MD. Obstetrics and Gynecology, 2014 – 2021

Role: Mentoring Committee member

Dr. Ward is currently Associate Professor of Obstetrics and Gynecology at the University of Virginia

Nathaniel David Mercaldo, PhD. Biostatistics, 2014 – 2018

Role: PhD Advisory Committee member

Dr. Mercaldo is currently Co-chair of Statistics at Massachusetts General Hospital Institute for Technology Assessment, Instructor in Radiology/Statistics at Harvard Medical School, and Statistician in the Department of Radiology at Massachusetts General Hospital.

Cecilia P. Chung, MD, MPH. Rheumatology, Medicine, 2014 – 2019

Role: Mentoring Committee member

Dr. Chung is currently Chief of the Division of Rheumatology & Immunology and Professor of Medicine at University of Miami Miller School of Medicine.

Derek Smith, DDS, PhD. Biostatistics, 2015 – 2017

Role: PhD Advisory Committee member

Dr. Smith is currently Director of the Division of Biostatistics and Computational Biology at the University of Iowa College of Dentistry and Dental Clinics

Valerie Welty, PhD. Biostatistics, 2019 – 2023

Role: PhD Advisory Committee member

Meghan A. Corriere, PhD. Epidemiology, 2021 – 2023

Role: PhD Advisory Committee member

Dr. Corriere is currently Senior Manager, Real World Evidence, at Vertex Pharmaceuticals

Surat Kulapatana, MD. Biomedical Engineering, 2025 – present

Role: PhD Advisory Committee member

Allison Warner, MS. Psychology, Rowan University, 2025 – present

Role: PhD Advisory Committee member

## **RESEARCH PROGRAM**

### **Current Research at Vanderbilt**

1. Conducting epidemiologic studies of genetic, molecular and histologic risk factors for breast and prostate cancer with JR Smith, FF Parl and ME Sanders.
2. Working with TV Hartert on studies on risk factors for asthma in children.
3. Working with I Biaggioni and A Diedrich on studies of Autonomic Cardiovascular Regulation.

4. Working with S Patrick in Pediatrics and Health Policy on studies in substance abuse.
5. Working with P Wu on studies of the effects of RSV immunoprophylaxis on respiratory morbidity in children with Down syndrome.
6. Working with JD Blume on software for power and sample size calculations.
7. Working with CP Chung on pharmacoepidemiologic studies of drug toxicities.
8. Studying the effects of tumor mutation burden on survival in cancer patients with JR Smith and FF Parl.
9. Working on a randomized clinical trial, Glucagon-Like Peptide-1 Receptor Agonist Treatment in Adult, Obesity-Related, Symptomatic Asthma, with KN Cahill and GR Bernard.

#### **Grants Received as Principal Investigator**

1. An Epidemiologic Study of Breast Cancer Risk Factors. NCI grant RO1CA 28223-01, 1980 – 1981. \$39,773 awarded for direct costs.
2. The Effect of Lobular Atrophy on Breast Cancer Risk in Women Who Have Undergone Benign Breast Biopsies. Biomedical Research Support Grant RR-05424, 1981. \$2,500 awarded.
3. Epidemiology of Breast Cancer Risk After Fibroadenoma. NCI grant RO1CA31698, 1982 – 1985. \$379,280 awarded for direct costs in 1982 – 85.
4. Breast Cancer Risk Associated with Fibroadenomas and Other Histologic and Epidemiologic Risk Factors. Biomedical Research Support Grant RR-05424-24, 1985. \$5,806 awarded.
5. Lopressor in Myocardial Infarction Trial. Contract from CIBA-GEIGY Corporation for \$55,514 to build and analyze a patient database from a multi-center clinical trial, 1986 – 1988.
6. Breast Cancer Risk After Atrophic or Apocrine Changes. NCI grant RO1CA40517, 1986 – 1989. \$600,752 awarded for 1986 – 1989.
7. Breast Cancer in Women with Proliferative Breast Disease. NCI grant RO1CA46492, 1988 – 1991. \$454,638 awarded for 1988 – 1991.
8. Epidemiology of Molecular Risk Factors for Breast Cancer. NCI grant RO1CA50468, 1990 – 2012. \$10,451,779 awarded.

#### **Grants Received as Local Principal Investigator or Project Leader**

1. SPORE in Breast Cancer. NCI grant P50 CA098131. Project Co-leader for Project 4: Molecular Epidemiology of Proliferative Breast Disease. 2003 – 2010.
2. Mayo Clinic Breast Cancer SPORE. NCI grant P50CA116201. Local PI. 2011 – 2016.
3. Mammographic Breast Density in a Cohort of Medically Underserved Women. NIH grant W81XWH-10-1-0993. Local PI. 2010 – 2015.
4. Development of Risk Predictor Model for Women with Atypical Hyperplasia. VUMC 38980-R. Local PI. 2011 – 2014.
5. Randomized Double-Blind Placebo-Controlled Adaptive Design Trial of Intrathecally Administered Autologous Mesenchymal Stem Cells in Multiple System Atrophy. Clinical Trials.gov identifier NCT05167721. Local PI on Mayo Clinic grant. 2021 – 2025.

6. The Genetic Origin of Hereditary Prostate Cancer. Local PH on VA grant I01CX002155-01A1. 2021 – 2024.
7. Comparative Safety of Pain Medications. Local PI on Miami grant R01AR073764. 2023 – 2024.

**Grant Support Received as Co-Investigator**

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13. SCOR in Acute Lung Injury, 5P50 grant HL19153, 1995 – 1998.
14. Mechanisms of Post Bone Marrow Transplantation Lung Injury. NIH/NHLB(HL) grant 1R01HL55198, 1995 – 1999.
15. Patient Care Provider Order Entry with Tactical Support. NIH grant 1R01LM06226, 1997 – 2000.
16. Etiology of Early Breast Malignancy. NCI grant R01-CA72025, 1996 – 2000.
17. Autonomic Cardiovascular Regulation. NIH grant P01-HL56693, 1997 – 2010.
18. Chemotherapy Toxicity: Reduction in the Urea Cycle Support. NIH/NCI grant 5R01CA92313, 2001 – 2006.
19. The Vanderbilt Institute for Clinical and Translational Research (VICTR) NCRR grant UL1 RR024975, 2007 – 2008.
20. Maternal and Infant Effects of Treated and Untreated Depression during Pregnancy. NIMH grant R03MH077902, 2007 – 2008.
21. Dietary Antioxidants and Incidence of Adult-onset Asthma. NIAID grant R02AI50884, 2007 – 2008.
22. MCC and VICC Partners in Eliminating Cancer Disparities. NCI grant U54CA091405, 2007 – 2008.
23. Asthma Disparities in Cohorts at Risk for Morbidity. NHLBI grant U01HL072471, 2006 – 2008.
24. The Nashville Breast Health Study. NCI grant R01CA100374, 2007 – 2009.
25. Dopamine-B-Hydroxylase in Human Cardiovascular Control. NHLBI grant R01HL071784, 2008 – 2010.
26. Mayo Clinic Breast Cancer SPORE. NCI grant 5P50CA116201, 2011 – 2016.
27. Targeting peripheral-derived regulatory T cells as a means of enhancing immune responses directed against prostate cancer. DOD grant PC140122 / W81XWH-15-1, 2015 – 2018.
28. Heritable risk factors for familial prostate cancer. VA grant I01BX002502-01
29. Autoimmune Basis for Postural Tachycardia Syndrome. NHLBI grant R56HL128393, 2015 – 2016.
30. Pregnancy Folate Status & Early Childhood Respiratory & Atopic Disease Outcomes. NHLBI grant R01HL109977, 2011 – 2016.

31. Autonomic Cardiovascular Regulation. NHLBI grant P01HL056693, 1998 – 2017.
32. Host and Viral Determinants of Infant and Childhood Allergy and Asthma. NHLBI grant U19AI095227, 2011 – 2016.
33. Preventing Gastroduodenal Bleeding in Oral Anticoagulant Users. NHLBI grant R01HL114518, 2013 – 2017.
34. Aldosterone and Sodium Regulation in Postural Tachycardia Syndrome. NHLBI grant R01HL102387-05, 2010 – 2015.
35. Statistical methods for comparative treatment effectiveness using claims data. NIH grant RC4MH092755, 2010 – 2013.
36. Tools to Reduce Infant RSV Morbidity and Asthma: Use, Adherence and Effectiveness. AHRQ grant R01 HS018454, 2009 – 2013.
37. Dopamine-B-Hydroxylase in Human Cardiovascular Control. NHLBI grant R01HL071784, 2003 – 2014.
38. Autonomic Rare Diseases Clinical Research Consortium. NIH grant 5U54NS065736, 2009 – 2020.
39. Prescribed Opioid Safety in Children. NIH grant 5R01HD074584, 2013 – 2019.
40. Preventing Gastroduodenal Bleeding in Oral Anticoagulant Users. NHLBI grant 6R01HL114518, 2013 – 2017.
41. Real-World Patient Responsiveness and Safety of Long-Acting Beta Agonists in Asthma. NHLBI grant R01HS022093, 2013 – 2018.
42. Autonomic Cardiovascular Regulation. NHLBI grant 6P01HL56693-20, 2012 – 2017.
43. Autonomic Rare Diseases Clinical Research Consortium. NIH grant 6U54NS065736, 2015 – 2019.
44. Autoimmune Basis for Postural Tachycardia Syndrome. NHLBI grant R56HL128393, 2015 – 2019.
45. The effectiveness of RSV immunoprophylaxis on the short- and long- term respiratory morbidity in children with Down syndrome. NIAID grant R01AI143710, 2019 – 2024.
46. Children's Respiratory Research and Environment Workgroup (CREW). DHHS grant UG3D023282, 2016 – 2023.
47. Salt, Blood Pressure, and Inflammation. NHLBI grant R01HL140145, 2018 – 2021.
48. Improving Access to Treatment for Women with Opioid Use Disorder. NIDA grant R01DA045729, 2018 – 2022.
49. Leukotriene modifying agents in the prevention of excess morbidity and mortality from influenza. NIAID grant R01AI136526, 2018 – 2021.
50. Autonomic determinants of postural tachycardia syndrome. NHLBI grant R56HL142583, 2019 – 2023.
51. A personalized medicine approach to improve the prediction of azathioprine toxicity. NIAMS grant R01AR073764, 2019 – 2024.
52. Comparative Safety of Pain Medications. NIAMS grant R01AR073764, 2019 – 2024.
53. Sympathetic mechanisms in the cardiovascular and metabolic alterations of obesity. NHLBI grant R01HL149386, 2019 – 2024.

54. Antipsychotics and the Risk of Unexpected Death in Children and Youth. NICHD grant R01HD097344, 2019 – 2023.
55. Outcomes of non-vitamin K anticoagulants in atrial fibrillation. NHLBI grant R01HL151523, 2020 – 2024.
56. Glucagon-Like Peptide-1 Receptor Agonist Treatment in Adult, Obesity-related, Symptomatic Asthma (GATA-3). NIH grant U01AI155299, 2022 – 2025.
57. Host and Viral Determinants of Infant and Childhood Allergy and Asthma. NIAID grant U19AI095227, 2016 – 2026.

## PUBLICATIONS AND PRESENTATIONS

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## Books

1. **Dupont WD**. *Statistical Modeling for Biomedical Researchers: A Simple Introduction to the Analysis of Complex Data*. Cambridge: Cambridge University Press, 2002.
2. **Dupont WD**. *Statistical Modeling for Biomedical Researchers: A Simple Introduction to the Analysis of Complex Data*. 2<sup>nd</sup> edition. Cambridge: Cambridge University Press, 2009.

## Book Chapters

1. **Dupont WD** and Page DL. Histologic predictors of breast cancer: Epidemiologic and statistical aspects. In: Ames FC, Blumenschein GR, Montague ED, eds. *Current Controversies in Breast Cancer*. Austin: University of Texas Press, 1984:51-61.
2. **Dupont WD** and Page DL. Relationship to previous breast disease. In: Stoll BA, ed. *Women at High Risk to Breast Cancer*. Dordrecht: Kluwer, 1989:47-56.
3. **Dupont WD** and Page DL. Histo-pathologic definition of high risk breast lesions. In: Bigot JM, Moreau JF, Nahum H, Bellet M, eds. *Radiology*. Amsterdam: Elsevier, 1989:339-44.
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6. Page DL, **Dupont WD** and Rodgers W. Concepts of preneoplasia for the goal of cancer prevention. In: *Control of Growth Factors and Prevention of Cancer*. Berlin: Springer-Verlag, 1992:3-11.
7. **Dupont WD** and Page DL. An overview of the effect of oestrogen replacement therapy on breast cancer risk. In: Mann RD, ed. *Hormonal Replacement Therapy and Breast Cancer Risk*. Park Ridge, NJ: Parthenon Publishing, 1992:79-92.
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#### Letters to the Editor

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2. **Dupont WD**. Case-control studies of estrogens and endometrial cancer. *N Engl J Med*. March 1979;300:495.
3. **Dupont WD**. Bias, maximum likelihood estimators, and sequential clinical trials. *Controlled Clin Trials*. September 1984;5:275-7.
4. **Dupont WD** and Page DL. Fibrocystic breast non-disease. *N Engl J Med*. 1985;312:1258.
5. **Dupont W** and Page D. A retrospective cohort study of women with benign breast disease — interactions between histologic and other factors on breast-cancer risk. *Am J Epidemiol*. 1985;122 (3):516-516.
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11. **Dupont WD.** Growth hormone for the elderly, *N Engl J Med.* 1990;323:1562.
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14. **Dupont WD** and Page DL. Meta-analyses of breast cancer risk associated with estrogen replacement therapy — Author's reply. *Arch Intern Med.* 1992;152:1090-3.
15. **Dupont WD.** The breast implant controversy. *N Engl J Med.* 1993;328:733.
16. **Dupont WD.** Breast cancer and hormone-replacement therapy. *N Engl J Med.* 1995;333:1356-8.
17. **Dupont WD.** Comparison of ganisetron, onansetron, and tropisetron in the prophylaxis of acute nausea and vomiting induced by cisplatin for the treatment of head and neck cancer. *Cancer.* 1996;78:2451.
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24. **Dupont W**, Wu P, Gebretsadik T, Hartert T. RSV prevention in infancy and asthma in later life. *Lancet Respir Med.* 2018;6(7):e32.
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## Book Reviews

1. **Dupont WD.** *Statistical Methods in Medical Research*, 3<sup>rd</sup> edition, by P Armitage and G Berry. Reviewed in *Circulation*, 1996;94:3009-10.
2. **Dupont WD.** *A Handbook of Statistical Analyses Using Stata*, 4<sup>th</sup> edition, by S Rabe-Hesketh and BS Everitt. Reviewed in *Stata Journal*, 2007;7:245-248.
3. **Dupont WD.** *Multivariable Model-building: A pragmatic approach to regression analysis based on fractional polynomials for modeling continuous variables*, by P Royston and W Sauerbrei. Reviewed in *Stata Journal*, 2010;10(2):297-302.

4. **Dupont WD.** *Data Management Using Stata: A Practical Handbook*, by MN Mitchell. Reviewed in *Stata Journal*, 2021;21(3):814-817.

## National Television

Fibroadenoma and breast cancer

- i) NBC Nightly News, July 6, 1994
- ii) CBS Evening News, July 6, 1994
- iii) CBS This Morning, July 7, 1994
- iv) CNN News from Medicine, July 7, 1994

## Other Publications

1. **Dupont WD.** A multiple risk model with dependent fates. Technical Paper 501, Biostatistics Department, The Johns Hopkins University, 1975.
2. **Dupont WD.** A hazard regression method for estimating animal abundance from catch-effort data. *American Statistical Association, 1981 Proceedings of the Statistical Computing Section*. August 1981:45-52.
3. **Dupont WD**, Wright RF, Plummer WD. *Update: An Interactive Data Entry and Edit Program*. Nashville: CDM Software, 1981:1-102.
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7. **International Medical Benefit/Risk Foundation Workshop** (London, October 29–30, 1992). Overview statement: Hormone replacement therapy (HRT) and breast cancer risk. *Pharmacoepidemiology and Drug Safety*. 1993;2:103-5.
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9. Bernard GR, Wheeler AP, Arons MM, Morris PE, Ray HL, Russell JA, Wright PE, and the **Antioxidant in ARDS Study Group**. A trial of antioxidants N-acetylcysteine and procysteine in the acute respiratory distress syndrome. *Chest*. 1997;112:164-72.
10. **Dupont WD.** Teaching intermediate-level biostatistics to clinicians using general statistical software packages. *2004 American Statistical Association Proceedings*. 2005:4720-1.

## Presentations at Scientific Meetings

1. **Dupont WD.** Estimating animal abundance from catch-effort data. Eastern Regional Meeting of the American Statistical Association. Chapel Hill, NC, April 1977.

2. **Dupont WD.** Comparing low mortality rates in longitudinal censored observational data. Joint Statistical Meetings of the American Statistical Association and the Biometric Society. Washington, DC, August 1979. *Biometrics*. 1980;36:736.
3. **Dupont WD.** Choosing the best P value for clinical trials. Society for Clinical Trials. Philadelphia, PA, May 1980. *Controlled Clin Trials*. 1980;1:171.
4. **Dupont WD** and Wright RF. An interactive data quality assurance program. Society for Clinical Trials. San Francisco, CA, May 1981. *Controlled Clin Trials*. 1981;2:81.
5. **Dupont WD.** A hazard regression method for estimating animal abundance from catch-effort data. Joint Statistical Meetings of the American Statistical Association and the Biometric Society. Detroit, MI, August 1981. Invited talk.
6. **Dupont WD.** Fisher's exact test and the magically shrinking P-value. Joint Statistical Meetings of the American Statistical Association and the Biometric Society. Detroit, MI, August 1981.
7. **Dupont WD**, Wright RF, Plummer WD. A sequential log rank test. Society for Clinical Trials. Pittsburgh, PA, May 1982. *Controlled Clin Trials*. 1982;3:139.
8. **Dupont WD** and Page DL. Histologic predictors of breast cancer: Epidemiologic and statistical aspects. 26<sup>th</sup> Annual Clinical Conference of the University of Texas MD Anderson Hospital and Tumor Institute. Houston, TX, November 1982. Invited talk.
9. **Dupont WD** and Page DL. A retrospective cohort study of women with benign breast disease: Interactions between histologic and other factors on breast cancer risk. Society for Epidemiologic Research. Chapel Hill, NC, June 1985. *Am J Epidemiol*. 1985;122:516.
10. **Dupont WD.** Epidemiology of benign breast lesions and the risk for cancer. College of American Pathologists Conference: Is 'Fibrocystic Disease' of the Breast Precancerous? New York, NY, October 1985. Invited talk.
11. **Dupont WD.** Converting relative risks to absolute risks: A graphical approach for breast cancer and heart disease. Society for Clinical Trials. Montreal, QC, May 1986. *Controlled Clin Trials*. 1986;7:238.
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13. **Dupont WD** and Page DL. Influence of exogenous estrogens, proliferative breast disease and other variables on breast cancer risk. Society for Epidemiologic Research. Amherst, MA, June 1987. *Am J Epidemiol*. 1987;126:735.
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16. **Dupont WD.** Power calculations for matched case-control studies. Joint Statistical Meetings. New Orleans, LA, August 1988.
17. **Dupont WD** and Page DL. Implications of high-risk pathologic lesions of the breast. 74<sup>th</sup> Clinical Congress of the American College of Surgeons. Chicago, IL, October 1988. Invited talk.

18. **Dupont WD.** Statistical inference from sequentially monitored clinical trials. Third Annual Symposium of the International Institute for Theoretical Cardiology. Greenville, NC, November 1988. Invited talk.
19. **Dupont WD** and Page DL. Histopathologic definition of high-risk breast lesions. Seventeenth International Congress of Radiology. Paris, France, July 1989. Invited talk.
20. **Dupont WD** and Page DL. Does replacement estrogen therapy increase breast cancer risk? 17<sup>es</sup> Journées Sur La Fertilité et L'Orthogénie. Paris, France, November 1989. Invited talk.
21. **Dupont WD** and Page DL. What are the frontiers of research in benign breast disease? 17<sup>es</sup> Journées Sur La Fertilité et L'Orthogénie. Paris, France, November 1989. Invited talk.
22. **Dupont WD** and Plummer WD. Power and sample size calculations: A review and computer program. Eleventh Annual Meeting of The Society for Clinical Trials. Toronto, Ontario, Canada, May 1990. *Controlled Clin Trials*. 1990;11:301.
23. **Dupont WD.** Statistical issues in assessing prognostic indices for breast cancer. American Joint Committee on Cancer. Chicago, IL, June 1990. Invited talk.
24. **Dupont WD** and Page DL. Breast cancer risk, family history, and epithelial hyperplasia. 15<sup>th</sup> International Cancer Congress. Hamburg, Germany, August 1990.
25. Page DL, **Dupont WD**, and other discussants. Breakout sessions on the limits of early detection of breast cancer, the definitions of precancerous breast lesions, the effects of tamoxifen on high risk lesions, and the incidence of premalignant lesions. NCI workshop on Emerging Concepts and Strategies in Breast Cancer. St. Michaels, MD, September 1990.
26. **Dupont WD.** Breast cancer risk associated with estrogen replacement therapy. Presentation made to the FDA Fertility and Maternal Health Drugs Advisory Committee. Washington, DC, June 1991.
27. **Dupont WD** and Page DL. Hormone replacement therapy and breast cancer. Symposium on hormone replacement therapy sponsored by the Royal Medical Society. London, England, September 1991. Invited talk.
28. **Dupont WD.** Benign high-risk and premalignant diseases of the breast. Clinical Congress of the American College of Surgeons. Chicago, IL, October 1991. Invited talk.
29. **Dupont WD:** Epidemiology of benign breast disease and risk factors for breast cancer. Quatrième Journée Scientifique: Collège de Gynécologie Médicale de Paris. Ile-de-France, Paris, France, January 1992. Invited talk.
30. **Dupont WD.** Benign proliferative diseases of the breast: Histologic definitions and breast cancer risks. International Course of Diagnostic Imaging and Interventional Radiology (CARVAT). Rome, Italy, January 1992. Invited talk.
31. **Dupont WD.** Estrogen replacement therapy and breast cancer risk in women with a history of benign mammary dysplasia. International Course of Diagnostic Imaging and Interventional Radiology (CARVAT). Rome, Italy, January 1992. Invited talk.
32. **Dupont WD.** Premalignant markers of increased breast cancer risk. 83<sup>rd</sup> Annual Meeting of the American Association for Cancer Research. San Diego, CA, May 1992. Invited talk.
33. **Dupont WD**, Parl FF, Hartmann WH, and Brinton LA. Breast cancer risk associated with proliferative breast disease. 25<sup>th</sup> Annual Meeting for the Society for Epidemiologic Research. Minneapolis, MN, June 1992. *Am J Epidemiol*, 1992; 136:964.

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35. **Dupont WD.** Premalignant markers of increased breast cancer risk. Gordon Research Conference on Mammary Gland Biology. New London, NH, June 1993. *Science*. 1993; 259:1190. Invited talk.
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37. **Dupont WD.** HRT and breast cancer. Wyeth-Ayerst MCS and Regional Clinical Associates Meeting. Frazer, PA, October 1993.
38. **Dupont WD.** Breast Cancer: Who's at risk? Wyeth-Ayerst Women's Health Seminar. Princeton, NJ, November 1993.
39. **Dupont WD.** Premalignant markers of breast cancer risk. Symposium International de Biologie et Pathologie du Tissu Mammaire. Paris, France, December 1993. Invited plenary talk (Conférence du Président).
40. **Dupont WD.** HRT and breast cancer. Wyeth-Ayerst International Symposium on Contemporary Approaches to Managing Estrogen Deficiency. Santiago, Chile, April 1994.
41. **Dupont WD.** Oral HRT and breast cancer. Laboratoire Innothera Workshop: THS per os: contre-indications? Paris, France, September 1994.
42. **Dupont WD.** Estrogen replacement therapy after breast cancer. XIV World Congress of the International Federation of Gynecology and Obstetrics. Montreal, QC, Canada, September 1994. Invited talk.
43. **Dupont WD.** Hormones and breast cancer. Xi<sup>e</sup> Journées: Actualités en Gynécologie-Obstétrique. Collège de Gynécologie Médicale du Sud-Est. Nice, France, February 1995. Invited talk.
44. **Dupont WD.** Hormones et cancer. Le Collège de Gynécologie Rhône-Alpes. Lyon, France, February 1995. Invited talk.
45. **Dupont WD.** Hormonal replacement therapy and breast cancer risk. National Consortium of Breast Centers. Nashville, TN, April 1995. Invited talk.
46. **Dupont WD.** Breast cancer risk associated with complex and non-complex fibroadenoma. International Symposium on Breast Pathology. São Paulo, Brazil, June 1995. Invited talk.
47. **Dupont WD.** Breast cancer risk associated with proliferative breast disease and atypical hyperplasia. International Symposium on Breast Pathology. São Paulo, Brazil, June 1995. Invited talk.
48. **Dupont WD.** Breast Cancer risk associated with long-term hormone replacement therapy. International Symposium on Breast Pathology. São Paulo, Brazil, June 1995. Invited talk.
49. **Dupont WD.** Hormonal replacement therapy after breast cancer: Arguments in favor of clinical studies. International Symposium on Breast Pathology. São Paulo, Brazil, June 1995. Invited talk.
50. **Dupont WD.** Benefits and risks of HRT with cyclic or continuous regimes: The breast cancer risk controversy. Wyeth-Ayerst symposium on Individualized HRT with Cyclic or Continuous Regimes. European Consensus Development Conference on Menopause. Montreux, Switzerland, September 1995. Invited talk.

51. **Dupont WD.** Epidemiologic and Biostatistical Methods. Part I - Introduction. National Breast Cancer Coalition. Project LEAD. Nashville, TN, December 1995.
52. **Dupont WD.** Epidemiologic and Biostatistical Methods. Part III - Clinical Trials. National Breast Cancer Coalition. Project LEAD. Nashville, TN, December 1995.
53. **Dupont WD.** Hormonal replacement therapy and breast cancer risk. Cancer Institute of New Jersey Distinguished Lecture Series. New Brunswick, NJ, October 1996. Invited paper.
54. **Dupont WD.** Hormone replacement therapy and the risk of breast cancer. 14<sup>th</sup> Annual International Breast Cancer Conference. Miami Beach, FL, 1997.
55. **Dupont WD.** Controversies in hormonal replacement therapy. 21<sup>st</sup> Central American Congress of Obstetrics and Gynecology. Managua, Nicaragua, 1997.
56. **Dupont WD.** Hormonal replacement therapy in patients with breast cancer. 21<sup>st</sup> Central American Congress of Obstetrics and Gynecology. Managua, Nicaragua, 1997.
57. **Dupont WD.** Le THS chez la femme à risque de cancer du sein. 20<sup>th</sup> meeting of the Association Française pour l'Étude de la Ménopause. Paris, France, November 1999.
58. **Dupont WD.** Incidence of breast cancer in high risk patients receiving HRT. RAP-Risk and Prevention Conference. Paris, France, February 2000.
59. **Dupont WD** and Plummer WD. The PS Program for Sample Size and Power Calculations. Joint Statistical Meetings. Atlanta, GA, August 5, 2001.
60. **Dupont WD** and Plummer WD. Density distribution sunflower plots. Joint Statistical Meetings. San Francisco, CA, August 2003.
61. **Dupont WD.** TGF- $\beta$ 1 T29 $\rightarrow$ C polymorphism and breast cancer risk in women with and without proliferative disease. NCI Breast SPORE Roundtable Meeting. Boston, MA, November 2003.
62. Gobbi H, **Dupont WD**, Parl FF, Schuyler PA, Plummer WD, Olson SJ, Page DL. Breast cancer risk associated with estrogen receptor expression in epithelial hyperplasia lacking atypia. 12<sup>th</sup> SPORE Investigator's Workshop. Baltimore, MD, July 2004.
63. **Dupont WD.** Teaching Intermediate-level biostatistics to clinicians using general statistical software packages. Section on Teaching of Statistics in the Health Sciences Round Table Luncheon, Joint Statistical Meetings. Toronto, Ontario, Canada, August 2004.
64. **Dupont WD.** Density distribution sunflower plots in Stata 8. Third North American Stata Users Group Meeting. Boston, MA, August 2004.
65. Sanders ME, Parl FF, Page DL, Roodi N, Schuyler PA, Plummer WD, **Dupont WD.** Relationship of the transformation growth factor- $\beta$ 1 T29 $\rightarrow$ C polymorphism to breast cancer risk in women with, and without, proliferative breast disease. San Antonio Breast Cancer Symposium, December 2004. *Breast Cancer Research and Treatment*. 2004;88:S162.
66. Breyer J, Schuyler P, Elmore B, Yaspan B, Bradley K, Page D, **Dupont W**, Smith J. Genetic data from archival tissue. 14<sup>th</sup> SPORE Investigators' Workshop. Baltimore, MD, July 2006.
67. **Dupont WD**, Breyer JP, Bradley KM, Schuyler PA, Plummer WD, Sanders ME, Page DL, Smith JR. Effect of protein phosphatase 2A subunit gene haplotype and proliferative breast disease on breast cancer risk. San Antonio Breast Cancer Symposium, December 2008. *Cancer Res* 2009;69(2 Supl.):229S.
68. **Dupont WD.** Relative and absolute risks: Explaining the practical implications of research findings to patients and clinicians. Personalized Risk Prediction Symposium. Vanderbilt University, April 2013.

69. **Dupont WD.** Elucidating the Foundations of Statistical Inference with 2 x 2 Tables. Charles Rohde Symposium. Johns Hopkins Bloomberg School of Public Health, Department of Biostatistics, April 2015. <https://youtu.be/w9BadqkuUS0>
70. **Dupont WD,** McNeer E, Leech AA, Stein BD, Patrick SW. Secret shopper study to assess access to buprenorphine treatment in pregnant women with opioid use disorder. American Statistical Association Health Policy Statistics Section Lunch, Joint Statistical Meetings. Nashville, TN, August 2025. Invited talk.

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