

**JOHN ANTHONY BARON**  
**CURRICULUM VITAE**

**Education:**

- 1981-1982 Post-doctoral Milbank Scholar  
Department of Community Medicine and General Practice  
Oxford University
- 1980-1981 M.Sc. in Epidemiology  
London School of Hygiene and Tropical Medicine  
University of London
- 1972-1976 M.D.  
University of Michigan School of Medicine
- 1967-1969 M.S. in Mathematical Statistics (Ph.D. program interrupted by selective service)  
Stanford University
- 1963-1967 B.A. (Honors) in Intensive Mathematics  
Yale University

**Postdoctoral Clinical Training:**

- 1979-80 Chief Medical Resident  
Dartmouth Medical School
- 1977-79 Residency in Internal Medicine  
Dartmouth Medical School
- 1976-77 Internship (Flexible, 8/12 Internal Medicine)  
University of Michigan Medical School

**Licensure and Certification:**

- 1980 Board Certification - Internal Medicine
- 1979 New Hampshire Medical License #5911
- 1966 American Society of Actuaries - Examinations I and II

**Professional Experience:**

- 2014-present Professor emeritus of Medicine and of Epidemiology  
Geisel School of Medicine at Dartmouth
- 2013-present Research Professor of Epidemiology  
Gillings School of Public Health  
University of North Carolina
- 2011-2013 Adjunct Professor of Epidemiology  
Gillings School of Global Health  
University of North Carolina
- 2010-present Professor of Medicine  
University of North Carolina School of Medicine
- 2010-present Visiting Professor  
Department of Clinical Epidemiology  
Aarhus University  
Denmark
- 1994-2003 Founding Section Chief, Biostatistics & Epidemiology  
Dept of Community and Family Medicine
- 1993-2002 Acting Director, then Director  
Cancer Etiology, subsequently Cancer Epidemiology & Chemoprevention Programs  
Norris Cotton Cancer Center  
Dartmouth Medical School
- 1993-2014 Professor of Medicine, and of Community and Family Medicine  
Dartmouth Medical School

1992-93 Visiting Professor, Cancer Epidemiology Unit  
Department of Surgery, Uppsala University  
Uppsala, Sweden

1992-93 Consulting Faculty  
Karolinska Institute  
Stockholm, Sweden

1990-92 Curriculum Coordinator, quantitative teaching  
Dartmouth Medical School

1987-92 Faculty (Clinical Epidemiology)  
New England Epidemiology Institute Summer Program

1987-93 Associate Professor of Community and Family Medicine (secondary appointment)  
Dartmouth Medical School

1986-93 Associate Professor of Internal Medicine,  
Dartmouth Medical School

1983-84 Acting Director, Epidemiology Program, Norris Cotton Cancer Center

1983-92 General Internist: Inpatient and outpatient responsibilities  
Dartmouth-Hitchcock Medical Center

1981-82 Milbank Scholar  
Department of Community Medicine and General Practice  
Oxford University

1980-86 Assistant Professor of Internal Medicine  
Dartmouth Medical School

1979-80 Chief Medical Resident and Instructor in Medicine  
Dartmouth Medical School

1973 Summer Intern  
Epidemiology Branch  
National Heart and Lung Institute

1971-72 Independent statistical consultant

1969-71 U.S. Public Health Service Commissioned Officer  
National Center for Health Statistics

**Awards and Honors:**

2008 Royal Melbourne Hospital  
Overseas Visitor

2008 Cannon lecturer  
Society for Gastrointestinal Radiology

2007 Miller lecturer  
Section of Gastroenterology  
University of Iowa

2004 Katherine Swan Ginsburg Memorial lecturer  
Division of Rheumatology  
Brigham & Women's Hospital (Boston)

1993 Election to American Epidemiological Society

1992 Fogarty Senior International Fellowship

1992 American Cancer Society Eleanor Roosevelt International, Cancer Research Fellowship

1992 American Cancer Society Scholar Award  
(Because of fellowship regulations, only this fellowship was accepted in 1992)

1980-85 Milbank Scholar Award (Epidemiology)

1967-69 National Science Foundation Competitive Fellowship in Statistics

1967 Girshick Prize in Statistics  
Stanford University

1967 B.A. Magna Cum Laude  
Yale University

1967 deForest Prize in mathematics  
Yale University  
1966 Anthony Stanley Award (mathematics)  
Yale University  
1966 Election to Phi Beta Kappa  
Yale University  
1963 Yale National Scholarship  
Yale University

## **Bibliography:**

### Books and Book Chapters:

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- Baron JA. Clinical Epidemiology. In: Olsen J, Saracci R, Trichopoulos D, eds. Teaching Epidemiology. Second Edition. Oxford University Press, 2001, 237-251.
- Baron JA, Beach M, Mandel RU, van Stolk RU, Haile RW, Sandler RS, Rothstein R, Summers RW, Snover DC, Beck GJ, Frankl H, Pearson L, Bond JH, Greenberg ER. For The Polyp Prevention Study. Calcium supplements and colorectal adenomas. In: Cancer prevention: Novel nutrient and pharmaceutical developments. Ann N Y Acad Sci 1999, 889: 138-145.
- Greenberg ER, Baron JA. Aspirin and other nonsteroid anti-inflammatory drugs as cancer-preventive agents. In: Stewart BW, McGregor D, Kleihues P, eds. Principles of chemoprevention IARC Scientific Publications No. 139. International Agency for Research on Cancer, Lyon, 1996: 91-98.
- Baron JA, Rohan TE. Tobacco and cancer. In: Schottenfeld D, Fraumeni JF Jr, Day NE, eds. Cancer Epidemiology and Prevention. 2nd edition. Oxford University Press, 1996.
- Baron JA. Screening for prostate cancer. In: Fortner JG, Sharp PA, eds. General motors cancer research foundation accomplishments in cancer research 1995. Lippincott-Raven, 1996: 121-127.
- Baron JA. The epidemiology of cigarette smoking and Parkinson's Disease. In: Clarke PBS, Quik M, Adlkofer F, Thurau K, eds. Effects of nicotine on biological systems II Basel Boston Berlin: Birkhäuser Verlag 1995: 313-319.
- Baron JA. Clinical epidemiology. In: Olsen J, Trichopoulos D, eds. Teaching epidemiology. Oxford University Press, 1992.
- Wald N, Baron J, eds. Smoking and hormone-related disorders. Oxford: Oxford University Press 1990: with 5 chapters:
- (1) Baron JA. Cigarette smoking and age at natural menopause: 57-63.
  - (2) Rohan TE, Baron JA. Cigarette smoking and benign breast disease: 72-80.
  - (3) Baron JA, Sandler RS. Cigarette smoking and cancer of the large bowel: 167-176.
  - (4) Baron JA, Logan R. Smoking and gallstones: 103-110.
  - (5) Wald N, Doll R, Baron J. Smoking and hormone-related disorders: A summary of the evidence with implications for public health policy and future research: 269-274.
- Greenberg ER, Stevens M, Baron, JA. Practical aspects of cancer prevention trials. In: Micozzi MS, Moon TE, eds. Nutrition and cancer prevention: The role of micronutrients. New York: Marcel Dekker Inc, 1988: 513-532.
- Baron JA, Greenberg ER. Cigarette smoking and estrogen-related disease in women. In: Rosenberg MJ, ed. Smoking and reproductive health. Littleton MA: PSG Publishing Company, Inc, 1987: 149-160.
- Greenberg ER, Beck JR, Baron J. Carotenoids in prevention of cancer. In, Saurat J-H, ed. New trends in research and therapy. Basel: S. Karger, 1985: 360-370.
- U.S. Department of Health and Human Services. The health benefits of smoking cessation. U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control, Center for Chronic Disease Prevention and Health Promotion, Office on Smoking and Health. DHHS Publication No. (CDC) 90-8416, 1990. (Participating author)
- Baron JA. Compliance. In: Chemopreventive clinical trials: problems and solutions. Proceedings of chemoprevention clinical trials workshop, May 1984. NCI Monograph No. 85-2715, p. 44-48 (with discussion).
- Greenberg ER, Colton TC, Baron J. Reporting results. In: Shapiro S, Louis T, eds. Clinical trials. New York: John Wiley and Sons, 1982.

## Articles

- Rees JR, Mott LA, Barry EL, Baron JA, Figueiredo JC, Robertson DJ, Bresalier RS, Peacock JL. Randomized controlled trials: who fails run-in? *Trials* 2016, 17:374. doi: 10.1186/s13063-016-1451-9.
- Liu L, Messer K, Baron JA, Lieberman DA, Jacobs ET, Cross AJ, Murphy G, Martinez ME, Gupta S. Liu L, Messer K, Baron JA, Lieberman DA, Jacobs ET, Cross AJ, Murphy G, Martinez ME, Gupta S. A prognostic model for advanced colorectal neoplasia recurrence. *Cancer Causes Control* 2016, 27:1175-1185.
- Passarelli MD, Newcomb PA, Hampton JM, Threntham-Dietz A, Titus LJ, Egan KM, Baron JA, Willett WC. Cigarette Smoking Before and After Breast Cancer Diagnosis: Mortality From Breast Cancer and Smoking-Related Diseases. *J Clin Oncol* 2016, 34:1315-22.
- Erichsen R, Baron JA, Hamilton-Dutoit SJ, Snover DC, Torlakovic EE, Pedersen L, Frøslev, Vyberg M, Hamilton SR, Sørensen HT. Increased Risk of Colorectal Cancer after Serrated Polyps. *Gastroenterology* 2016, 130:895-902.
- Shang J, Reece JC, Buchanan DD, Giles GG, Figueiredo JC, Casey G, Gallinger S, Thibodeau SN, Lindor NM, Newcomb PA, Potter JD, Baron JA, Hopper JL, Jenkins MA, Win AK. Cholecystectomy and the risk of colorectal cancer by tumor mismatch repair deficiency status. *Int J Colorectal Dis* 2016 Aug;31:1451-7.
- Rosty C, Clendenning M, Walsh MD, Eriksen SV, Southey MC, Winship IM, Macrae FA, Boussioutas A, Poplawski NK, Parry S, Arnold J, Young JP, Casey G, Haile RW, Gallinger S, Le Marchand L, Newcomb PA, Potter JD, DeRycke M, Lindor NM, Thibodeau SN, Baron JA, Win AK, Hopper JL. Germline mutations in PMS2 and MLH1 in individuals with solitary loss of PMS2 expression in colorectal carcinomas from the Colon Cancer Family Registry Cohort. *BMJ Open* 2016, 6:e010293.
- Garcia-Albeniz X, Rudolph A, Hutter C, White E, Lin YRosse, SA, 48 others, including Baron JA, Chan AT, Peters UP, Chang-Claude J. *CYP24A1* variant modifies the association between use of estrogen plus progestogen therapy and colorectal cancer risk. *Brit J Cancer* 2016 114:221-9.
- Levine AJ, Phipps AI, Baron JA, Buchanan DD, Ahnen DJ, Shiovitz S, Lindor NMN, Newcomb PA, Rosty C, Haile RW, Laird PW, Weisenberger DJ. Clinicopathological risk factor distributions for MLH1 promoter region methylation in CIMP positive tumors. *Cancer Epidemiol Biomarkers Prev* 2016, 25:68-75.
- Crockett SD, Baron JA. A Chemopreventive Cocktail on the Rocks. *Gastroenterology* 2016, 150:26-9. (editorial)
- Win AK, Clendenning M, Crawford WJ, Rosty C, Preston SG, Southey MC, Parry S, Giles GG, Macrae FA, Winship IM, Baron JA, Hopper JL, Jenkins MA, Buchanan DD. Genetic variants within the hTERT gene and the risk of colorectal cancer in Lynch syndrome. *Genes Cancer* 2016, 6:445-51.
- Khalili H, Gong J, Brenner H, 57 others, including Baron JA, Chan AT. Identification of a Common Variant with Potential Pleiotropic Effect on Risk of Inflammatory Bowel Disease and Colorectal Cancer. *Carcinogenesis* 2015, 36:9999-1007.
- Peery AF, Sandler RS, Galanko JA, Bresalier RS, Figueiredo JC, Ahnen DJ, Barry EL, Baron JA. Risk Factors for Hemorrhoids on Screening Colonoscopy. *Plos One* 2015 0(9):e0139100.
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#### Articles in press

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- Ouakrim DA, Dashti SG, Chau R, Buchanan DD, Clendenning M, Ahnen DJ, Baron JA, Potter JD, Casey G, Gallinger S, Haile RW, Le Marchand L, Lindor NM, Newcomb PA, Thibodeau SN, Winship IM, Hopper J, Jenkins MA, Win AK. Aspirin, ibuprofen, and the risk of colorectal cancer in Lynch syndrome. *J Natl Cancer Inst*.
- Chau R, Dashti, SG, Ouakrim DA, Buchanan DD, M, Rosty C, Winship IM, Young JP, Giles GG, Macrae FA, Boussioutas A, Parry A, Figueiredo JC, Levine AJ, Ahnen DJ, Casey G, Haile RW, Gallinger S, Le Marchand L, Thibodeau SN, Lindor NM, Newcomb PA, Potter JD, Baron JA, Hopper JL, Jenkins MA, Win AK. Multi-vitamin, calcium and folic acid supplements and the risk of colorectal cancer in Lynch syndrome. *Int J Cancer*.
- Liu S, Barry EL, Baron JA, Rutherford RE, Seabrook ME, Bostick RM. Effects of Supplemental Calcium and Vitamin D on the APC/ $\beta$ -Catenin Pathway in the Normal Colorectal Mucosa of Colorectal Adenoma Patients. *Mol Carcinogenesis*.
- Gong, J, Hutter CM, Newcomb PA, Ulrich CM, Bien SA, Campbell PT, 41 others including Baron JA, Peters U. Genome-Wide Interaction Analyses between Genetic Variants and Alcohol Consumption and Smoking for Risk of Colorectal Cancer. *PLOS Genetics*.
- Rees JR, Mott LA, Barry EL, Baron JA, Bostick RM, Figueiredo JC, Bresalier RS, Robertson DJ, Peacock JL. Lifestyle and other factors explain half of the variability in the serum 25-hydroxyvitamin D response to cholecalciferol supplementation in healthy adults. *J Nutrition*

#### **Teaching Experience:**

Major Teaching at the University of North Carolina

2015-present Clinical Trials (in Gillings School of Public Health)

Major Teaching at Dartmouth Medical School:

1998,2000,2002 Lecturer, Doctoral Seminar (Research Methods) (2-4 hours)  
Center for the Evaluative Clinical Sciences (CECS)  
1998-2012 Lecturer, Cancer Epidemiology and Prevention (1 hour)  
1998-2005 Supervision of CECS Ph.D. Student, Kristin Wallace  
1999-2004 Ph.D. committee for CECS Ph.D. student Jennifer Miglionico  
1996-2002 Lecturer, Fellows' Research Methods Course (2 hours)  
1995-6 Organizer and sole Lecturer, Clinical Epidemiology Fellows' Course (24 hours)  
1995 Co-teacher, graduate course, "Clinical Trials and Screening"  
Center for the Evaluative Clinical Sciences  
1994-1999 Director, Epidemiology/Biostatistics course (Year 1)  
1985-present Lecturer, Epidemiology/Biostatistics course (Year 1) (~ 4-6 hours)

Other Major Teaching: Courses in Clinical Epidemiology (10-40 hour courses)

2016 Uppsala University (Sweden)  
2013 Aarhus University (Denmark)  
2012 Aarhus University (Denmark)  
2004 Aarhus University (Denmark)  
2000 Aarhus University (Denmark)  
1992 University of California, San Diego  
1993-96 Utrecht University (Netherlands)  
1993-98 Uppsala University (Sweden)  
1993 University of Milan (Italy)  
1992 Karolinska Institute (Sweden)  
1987-92 New England Epidemiology Institute

### **Funding History as Principal Investigator or Local Principal Investigator.**

(Percent efforts have varied widely within each grant. Since 1993, I have been supported by external funds 80-97% effort.)

#### Active awards as local or overall PI:

- 2009-2014      Methods for Pathway Modeling with Application to Folate  
National Cancer Institute  
Participating Center, Duncan Thomas (USC) PI  
Total UNC Costs through 2013: \$50,232
- 2006-15        Chemoprevention of Arsenic-Induced Skin Cancer  
National Cancer Institute  
Participating Center, H. Ahsan (University of Chicago) PI  
Total Dartmouth costs: \$1,211,723  
Total UNC costs \$99,272 through 2013.
- 2003-16        Colorectal Chemoprevention with Calcium and Vitamin D  
National Cancer Institute  
Total costs: \$25,618,774
- 2000-14        Great Lakes/New England Clinical Epidemiology Center  
National Cancer Institute (Early Detection Research Network)  
Participating center, Dean Brenner (U. Michigan) overall PI  
Total Dartmouth, then UNC costs: \$2,037,790 (plus funds from capitated recruitment)
- 1993-2014      Aspirin/Folate Prevention of Large Bowel Polyps  
National Cancer Institute  
Total costs: \$27,324,945

#### Previous Awards as local or overall PI:

- 2010-2012      Variations in Colonoscopy Screening: A Population-Based Study  
National Cancer Institute  
Allen Dietrich, Lynn Butterly PI (Dartmouth)  
Total UNC costs \$13,381
- 2009-11        Vitamin D & Respiratory Illnesses  
ARRA Competitive Supplement to Colorectal Chemoprevention with Calcium & Vit D  
National Cancer Institute  
Total Costs: \$868,370
- 2006-2009      Calcium/Vitamin D, Biomarkers & Colon Polyp Prevention  
National Cancer Institute  
Participating Center, R. Bostick (Emory) overall PI  
Total Dartmouth costs: \$100,137
- 2003-08        Folate, 1 Carbon Nutrients, Gene Variants and Colon Cancer  
National Cancer Institute  
Participating center, D. Hunter (Harvard) overall PI  
Total Dartmouth costs: \$1,050,223
- 1998-2001      Androgen and Vitamin D Receptor Polymorphisms and Breast Cancer Risk  
Department of Defense  
Total costs: \$234,012
- 1997-2012      Colorectal Family Registry

National Cancer Institute  
Participating Center, R. Haile (USC) overall PI  
Total Dartmouth costs: \$5,683,006

1997-2006 Total Hip Arthroplasty Epidemiology and Outcomes  
National Institute of Arthritis and Musculoskeletal Disease  
Participating Center, M. Liang, J Katz (Harvard) overall PIs  
Total Dartmouth costs: \$426,893

1996-99 Organochlorines and Endometrial Cancer Risk  
Chemical Manufacturers Association  
Total costs: \$240,500

1995-96.1 Economic Burden of Fractures  
Merck, Sharpe and Dohme  
Total costs: \$123,399

1995-97 Endometrial Cancer, Menopausal Hormones, Smoking & Alcohol  
American Cancer Society  
Total costs: \$299,000

1993-94 Practice Variation Feasibility Study  
American College of Rheumatology  
Participating center, J. Katz (Harvard) overall PI  
Total Dartmouth costs: \$41,875

1992-96 Hormones, Alcohol Consumption and Breast Cancer Risk  
Participating Center: B. MacMahon (Harvard) overall PI  
Total Dartmouth costs: \$388,537

1990-93 Rectal Mucosal Proliferation Indices: Effect of Calcium  
National Cancer Institute  
Total costs: \$232,758

1989-90 AAOS Assessment of Total Hip Arthroplasty  
Participating center, F. Feathersone (AAOS) overall PI  
Total Dartmouth costs: \$12,000

1988-04 Calcium Prevention of Neoplastic Polyps  
National Cancer Institute  
Total costs: \$9,488,646

1987-90 Patterns of Fracture Risk in the Elderly  
National Institute on Aging  
Total costs: ~ \$500,000 + \$811,475

1984-85 Sex Hormones and Coronary Artery Disease in Men  
American Heart Association (New Hampshire Affiliate)  
Total costs: \$5,881

1980-85 Milbank Scholar Award in Epidemiology  
Milbank Memorial Fund  
Total costs: \$136,000 plus travel expenses



**Professional Service:**

Outside Service

2011-13 Referee, Söderberg Professorship  
Royal Swedish Academy of Sciences

2011 Senior Reviewer  
U.S. Surgeon General's Report on Cigarette Smoking

2009- Chair, Safety and Data Monitoring Committee  
Folate anti-arsenic trial (Bangladesh)  
Columbia University (M Gamble, PI)

2009-2013 Chair, Safety and Data Monitoring Committee  
"CHIP" trial (Celecoxib in FAP)  
Pfizer

2008 St. Gallen Cancer Prevention Conference

2008 Princess Takamatsu Symposium: Metabolic Syndrome and Cancer

2008- Editorial Board  
Cancer Prevention Research

2008 Session co-chair  
Cancer Prevention by Dietary Constituents: Laboratory and Human Studies  
AACR annual meeting

2008 Forum co-chair  
Does lycopene prevent cancer?  
AACR annual meeting

2007-12 Safety and Data Monitoring Committee  
African-American vitamin D supplementation trial (C. Fuchs, PI)  
Harvard University

2005-11 Advisory Committee  
GI SPORE (R. Coffey, PI)  
Vanderbilt University

2005-07 Safety and Data Monitoring Committee  
Aspirin & Mammographic Density Trial  
University of Washington

2005 Senior Reviewer  
U.S. Surgeon General's Report on Cigarette Smoking

2005 Abstract Reviewer  
Collaborative Group of the Americas annual meeting

2005 Scientific Committee, Annual Prevention Meeting  
American Association for Cancer Research

2005 Epidemiology and Prevention Awards Committee  
American Association for Cancer Research

2005 External Advisor  
Colorado Cancer Center

2004 Faculty, Annual Student Workshop  
Society for Epidemiological Research

2003 Senior Reviewer  
U.S. Surgeon General's Report on Osteoporosis and Bone Health

2003- Editorial Board  
Cancer Epidemiology Biomarkers & Prevention

2002-04 Council member  
Collaborative Group of the Americas for Inherited Colorectal Cancer

2002 IARC Review Meeting: Cigarette Smoking

2002 Senior reviewer  
Surgeon General's Report on Cigarette Smoking

2001-08 Chair, Safety and Data Monitoring Committee



DFMO/Sulindac Adenoma Chemoprevention Trial  
UC Irvine

2001-12 External Advisory Committee  
Cancer Center, NYU

2000-08 Chair, Administrative [Steering] Committee  
Vioxx Adenoma Chemoprevention Trial  
Merck Research Laboratories

2000- Safety and Data Monitoring Committee  
Selenium/Vitamin E Prostate Chemoprevention Trial (SELECT)  
National Cancer Institute

2000 NCI Colorectal Cancer Progress Review

1999-2013 Advisory Committee Member  
Nurses Health Study  
Harvard University

1999 Planning Workshop  
National Institute for Environmental Health Sciences

1998 Spotlight Session Leader and Abstract Reviewer  
Society of Epidemiological Research Annual Meeting

1998 Chair, IARC Review Meeting: Carotenoids

1997 IARC Review Meeting: NSAIDs

1996 Program Committee  
American College of Epidemiology

1995-2000 Author and Editor  
Surgeon General's Report on the Effects of Cigarette Smoking in Women

1992-96 National Osteoporosis Data Group  
National Institute of Arthritis, Musculoskeletal and Skin Diseases

1991 Abstract Reviewer (Osteoporosis),  
Society of Epidemiological Research Annual Meeting

1990-91 Adjunct Professor  
University of Massachusetts School of Public Health

1990 Chair, Osteoporosis Session  
Society for Epidemiological Research, Annual Meeting

1989-95 Epidemiology Working Committee (Founding member)  
Cancer and Leukemia Group B

1989 Author, 1990 Surgeon General's Report: Health Benefits of Smoking Cessation

1988 Co-chair, Conference on Smoking and Hormone-Related Disorders, London

1985 Consultant regarding chemoprevention study operation  
Chemoprevention Branch, National Cancer Institute

Dartmouth Committees and Administrative Work:

2002-2010 Member at large Norris Cotton Cancer Center Research Committee

2001-2008 Founding Director  
Dartmouth Clinical Trials Center

1993-95 Year 2 Curriculum Reform Committee

1991 Ad Hoc committee on General Internal Medicine activities & organization

1989-92 Curriculum Coordinator, Quantitative Teaching

1989 Ad Hoc Committee on Departmental Research Conference

1988-91 Quality Review Committee

1985-87 Veterans Administration Research and Development Committee

1984-90 Dean's Research Committee

Study Groups and Other Reviews:

2015 National Cancer Institute Special Emphasis Panel  
Program Project Review

2012	NCI Loan Repayment Study Section
2009	Reviewer, ARRA Challenge grants NIH
2009	Special Study Section NIH (ZRG1 HOP V(02))
2005	Program Review, National Cancer Institute
2005-06	Ad hoc reviewer EPIC Study Section NIH
2003	Ad hoc reviewer Epidemiology and Disease Control II Study Section NIH
2001	Chair, Epidemiology Review Department of Defense Breast Cancer Research Program
2000	Epidemiology Review Department of Defense Breast Cancer Research Program
2000	Project Review Italian Association for Cancer Research
1999-01	Chair, Tobacco-related Disease Research Program Study Section State of California
1999-01	Program Reviews, National Cancer Institute
1998	Chair, three ad hoc or special study sections, NIH
1992-96	Epidemiology and Disease Control II Study Section, NIH
1990-93,98	Tobacco-Related Disease Research Program Study Section State of California
1990	Program Review, Cancer Prevention Studies Branch National Cancer Institute
1988-91	Biometry and Epidemiology Contract Review Committee National Cancer Institute
1987	Project Reviews National Institute of Environmental Health Sciences
1985	Application Review American Cancer Society
1984-89	Four ad hoc study sections NIH

Recent Manuscript Review:

American Journal of Epidemiology  
Annals of Internal Medicine  
British Journal of Cancer  
British Medical Journal  
Cancer Causes and Control  
Cancer Epidemiology, Biomarkers and Prevention  
Cancer Research  
Cancer Prevention Research  
Cochran Collaboration  
Gastroenterology  
International Journal of Cancer  
Journal of the American Medical Association

Journal of the National Cancer Institute  
New England Journal of Medicine  
Up to Date  
US Preventive Services Task Force

### **Professional Statement**

As an internist, clinical epidemiologist, and trialist, I have had leading roles in the conceptualization, conduct, and interpretation of numerous clinical trials and complex epidemiological studies over the past 25 years. Many of these studies have addressed issues in the epidemiology and prevention of cancer, particularly in the colorectum. In the early 1980's I defined the "anti-estrogenic effect of cigarette smoking," and in the 1990's published widely regarding cancers of the breast and endometrium. As a member of the Steering Committee of the Colon Cancer Family Registry, I have helped develop one of the largest cohorts of colorectal cancer cases in the world. I have also been active in the Early Detection Research Network, where I serve as the clinical epidemiologist for a validation center investigating gastrointestinal early detection markers. I lead the Polyp Prevention Study Group, which has conducted several important adenoma prevention clinical trials that have been instrumental in clarifying the effects of antioxidants, calcium, aspirin, and folic acid on these common neoplasms. A skin cancer prevention trial I helped organize was the first randomized study to show that  $\beta$ -carotene might not have the hoped for chemopreventive effects. My current work focuses on the epidemiology and prevention of cancer (especially cancer of the large bowel) and the epidemiology of gastrointestinal diseases.

I have also been active as an educator. For 6 years I was on the faculty of the New England Epidemiology Institute, teaching a summer course in Clinical Epidemiology. That formed the basis for a much subsequent teaching: At Uppsala University and the Karolinska Institute in Sweden, in short courses in the United States and Europe, and in a course for fellows and junior faculty I taught in 1995-1996 in Clinical Epidemiology and Statistics. I was the Curriculum Coordinator, Quantitative Teaching during 1989-1992, a position explicitly supported by the Culpepper Foundation. I have taught in the undergraduate Biostatistics and Epidemiology course at Dartmouth Medical School since 1983, and was the director of that course for 6 years in the 1990's. In my teaching, I strive to infuse both clinical and quantitative perspectives in a highly interactive learning environment.