

FRANK R. LICHTENBERG, Ph.D.

Curriculum Vitae

18 July 2025

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CURRENT POSITIONS

Research Associate, National Bureau of Economic Research, Productivity and Health Care Programs

Research Fellow, CESifo (Center for Economic Studies/Ifo Institute for Economic Research), Munich, Germany

Associate Editor, *Economics*

Editorial Board member, *Journal of Evolutionary Economics*

Editorial Board member, *Defence and Peace Economics*

Member, Conference on Research in Income and Wealth

AWARDS

Winner of the 20th *East Asian Economic Review* Best Paper Award for the article, [*The Health Impact of, and Access to, New Drugs in Korea.*](#)

Winner of the *Economic Record* 2017 Best Paper Prize for the article, [*The Impact of Pharmaceutical Innovations on Premature Mortality, Hospital Separations, and Cancer Survival in Australia*](#)

Winner of an Outstanding Author Contribution Award at the Literati Network Awards for Excellence 2011 for the publication *The Effect of Drug Vintage on Survival: Micro Evidence from Puerto Rico's Medicaid Program.*

Winner of Research!America's 2010 Garfield Economic Impact Award for the paper, *The effect of new cancer drug approvals on the life expectancy of American cancer patients, 1978-2004.*

Winner of the 2003 Milken Institute Award for Distinguished Economic Research for the paper, *Pharmaceutical Knowledge-Capital Accumulation and Longevity.*

Winner of the 1998 Schumpeter Prize for the paper, *Pharmaceutical Innovation as a Process of Creative Destruction.*

Margaret Chandler Memorial Award for Commitment to Excellence (Best Teacher Award) by the Columbia Business School Executive MBA Class of 1994-II.

EDUCATION

Ph.D. Economics, University of Pennsylvania, 1982

Dissertation: Training, Tenure, and Productivity

Graduate Honors received: University Fellow, Teaching Fellow, Graduate Group Fellow

M.A. Economics, University of Pennsylvania, 1976

B.A. with Honors, History, University of Chicago, 1973

National Merit Scholar Finalist, 1969

attended University of Warwick (England), Fall 1972

PREVIOUS TEACHING AND RESEARCH POSITIONS

Cain Brothers & Company Professor of Healthcare Management, Columbia University Graduate School of Business

Courtney C. Brown Professor of Business, Columbia University Graduate School of Business

Visiting Lecturer, University of Hamburg, Summer 2015

Columbia–Ecole Polytechnique Alliance Visiting Professor at the Ecole Polytechnique, Paris, France (Spring 2011)

Visiting Professor, Center for Strategic Economic Studies, Victoria University, Melbourne, Australia, 2006-2012

Member, Advisory Committee, Division of Information Management, New York Academy of Medicine

Visiting Scholar, Federal Trade Commission, Fall 1997

Visiting Scholar, Center for Economic Studies, University of Munich, July 1997

Columbia University Graduate School of Business

Head of Economics Group, 1994-96

Professor, 1992-95

Associate Professor, 1986-92

Assistant Professor, 1983-86

Visiting Scholar, Wissenschaftszentrum Berlin, July 1995

Visiting Scholar, Kiel (Germany) Institute of World Economics, August 1993

National Bureau of Economic Research

Faculty Research Fellow, 1982-86

Research Economist, 1980-82

Jerome Levy Economics Institute at Bard College

Research Fellow, 1989-90

American Statistical Association/National Science Foundation/Census Bureau

Research Fellow, 1986-87

Columbia University, Center for Education and the American Economy

Senior Research Associate, 1985-87

University of Adelaide (Australia)

C.V. of Frank R. Lichtenberg

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Visiting Lecturer, 1982

Harvard University
Instructor, 1982

U.S. Bureau of Labor Statistics, Office of Economic Growth
Dissertation Fellow, 1979-80

Brookings Institution
Research Fellow in Economics, 1978-79

University of Pennsylvania, Wharton School
Instructor, 1978

U.S. Congressional Budget Office, Budget Analysis Division
Intern, 1977

U.S. Department of Justice, Antitrust Division
Intern, 1976

Henry Dreyfuss Associates (Industrial Designers), Production Manager, 1973-75

PUBLICATIONS

Book

Corporate Takeovers and Productivity (Cambridge: MIT Press, 1992).

Articles

[The long-run impact of changes in prescription drug sales on mortality and hospital utilization in Belgium, 1998-2019.](#) *Econometrics*, Published online 2025.

[The impact of biomedical innovation on U.S. mortality, 1999-2019: evidence partly based on 286 million descriptors of 27 million PubMed articles.](#) Coauthor: Kriste Krstovski. *Journal of Demographic Economics*, Published online 2025:1-27.

[Prevalence and relationship with health of off-label and contraindicated drug use in the United States: a cross-sectional study.](#) Coauthor: Katharina Blankart. *Journal of Pharmaceutical Policy and Practice* 18(1).

[Do newer drugs treat fewer diseases, controlling for time since launch? Evidence from France and the U.S.](#) *Journal of Pharmaceutical Policy and Practice* 17(1).

[Racial and gender disparities in the effect of new drug approvals on U.S. cancer mortality.](#) *Academia Medicine* 2024;1.

[Has pharmaceutical innovation reduced the average cost of U.S. health care episodes?](#) *International Journal of Health Economics and Management* 24: 1-31, published online 8 November 2023.

[The relationship between pharmaceutical innovation and cancer mortality in Spain, 1999-2016.](#) *Value in Health*, published online 19 October 2023.

[Number of drugs provided by the Pharmaceutical Benefits Scheme and mortality and hospital utilization in Australia, 2002-2019.](#) *SSM - Population Health* 24.

[The impact of biomedical innovation on the disability of elderly Medicare recipients, 2013-2019.](#) *Economics of Innovation and New Technology*, published online 15 March 2023.

[Effect on mortality of inclusion of drugs in Thailand's National List of Essential Medicines, 2005-2016.](#) *Health Policy and Technology* 12(1), March 2023.

[The impact of biopharmaceutical innovation on disability, Social Security reciprocity, and use of medical care of U.S. community residents, 1998-2015.](#) *Forum for Health Economics & Policy* 24(1): 35-74, 2022 Aug 30.

[The effects of dynamic and static competition on prescription drug prices in Denmark, 1997-2017.](#) *Journal of Evolutionary Economics* 32:1155–1173.

[The effect of pharmaceutical innovation on longevity: evidence from the U.S. and 26 high-income countries.](#) *Economics and Human Biology* 46 (2022).

[The association between pharmaceutical innovation and both premature mortality and hospital utilization in Switzerland, 1996-2019.](#) *Swiss Journal of Economics and Statistics* 158, Article number: 7 (2022).

[Are drug prices subject to creative destruction? Evidence from the U.S., 1997-2017.](#) *Health Economics* 30(8):1910-1932, August 2021.

[The impact of pharmaceutical innovation on the longevity and hospitalization of New Zealand cancer patients, 1998-2017.](#) *Expert Review of Pharmacoeconomics & Outcomes Research* 21(3): 476-477, March 2021.

[Are estimates of "potential gains in life expectancy" potentially unreliable?](#) *Public Health* 189:115-6, December 2020.

[Are patients more adherent to newer drugs?,](#) with Katharina Blankart. *Health Care Management Science* 23: 605–18, 8 August 2020.

[The health impact of, and access to, new drugs in Korea.](#) *East Asian Economic Review* 24 (2), (June 2020): 127-164.

[The impact of pharmaceutical innovation on the burden of disease in Ireland, 2000-2015.](#) *Journal of Public Health*, 42(4): 816–827, December 2020.

[How cost-effective are new cancer drugs in the U.S.?](#) *Expert Review of Pharmacoeconomics & Outcomes Research* 20(1): 39-55 (6 January 2020).

[How many life-years have new drugs saved? A 3-way fixed-effects analysis of 66 diseases in 27 countries, 2000-2013.](#) *International Health* 11(5): 403–416 (September 2019).

[The impact of pharmaceutical innovation on the burden of disease in Canada, 2000-2016.](#) *SSM - Population Health* 8 (August 2019).

[The impact of access to prescription drugs on disability in eleven European countries.](#) *Disability and Health Journal*, 12(3): 375-386 (July 2019).

[The Value of Cytochrome P450 2C19 Pharmacogenomic Information for Patients Receiving Clopidogrel Therapy following a Major Cardiovascular Event: Evidence from Geisinger,](#) with Rebecca A. Pulk, Jove Graham, Daniel Maeng, Marc S. Williams, Eric Wright, in [Economic Dimensions of Personalized and Precision Medicine](#), Ernst Berndt, Dana Goldman, and John Rowe, editors, (University of Chicago Press, 2019), pp. 273-304.

[The long-run impact of new medical ideas on cancer survival and mortality](#), *Economics of Innovation and New Technology* 28(7): 722-740 (2019).

[The Physician-Patient Relationship in the Age of Precision Medicine](#), with Eyal G, Sabatello M, Tabb K, Adams R, Jones M, Nelson A, Ochsner K, Rowe J, Stiles D, Sivaramakrishnan K, Underhill K, Appelbaum PS, *Genetics in Medicine* 21: 813–815 (2019).

[The impact of new drug launches on hospitalization in 2015 for 67 medical conditions in 15 OECD countries: a two-way fixed-effects analysis](#). *Forum for Health Economics & Policy* 21(2) (December 2018).

[The impact of new drug launches on longevity growth in 9 Middle Eastern and African countries, 2007-2015](#), *Review of Middle East Economics and Finance* 14(3) (December 2018).

[The Impact of New Drug Launches on Life-Years Lost in 2015 from 19 Types of Cancer in 36 Countries](#), *Journal of Demographic Economics* 84: 309–354, September 2018.

[The impact of pharmaceutical innovation on cancer mortality in Russia, 2001-2011](#), *Journal of Pharmaceutical Health Services Research* 9 (2): 79-89, June 2018.

[The Impact of Public and Private Research on Premature Cancer Mortality and Hospitalization in the U.S., 1999-2013](#), *The American Economist* 63 (2): 147-165, First Published March 26, 2018.

[The impact of pharmaceutical innovation on cancer mortality in Mexico, 2003-2013](#), *Latin American Economic Review* 26:8, December 2017.

[The Impact of Pharmaceutical Innovation on Premature Mortality, Hospital Separations, and Cancer Survival in Australia](#), *Economic Record* 93 (302): 353-378, September 2017.

[The impact of biomedical innovation on longevity and health](#), *Nordic Journal of Health Economics* 5 (1): 45-57; also published in *Elgar Encyclopedia on the Economics of Knowledge and Innovation*, ed. by Cristiano Antonelli.

[The impact of pharmaceutical innovation on health outcomes and utilization in Turkey: a re-examination](#), with Mehtap Tatar and Zafer Çalışkan, *Health Policy and Technology* 6(2): 226–233, June 2017.

[The impact of pharmaceutical innovation on cancer mortality in Belgium, 2004-2012](#), *Forum for Health Economics and Policy* 20:1, 2016.

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[Pharmaceutical innovation, longevity, and medical expenditure in Greece, 1995-2010](#), *International Journal of the Economics of Business* 22(2): 277-299.

[The impact of cardiovascular drug innovation on the longevity of elderly residents of Switzerland, 2003-2012](#), *Nordic Journal of Health Economics*, published online March 2015.

[The Impact of Biomedical Knowledge Accumulation on Mortality: A Bibliometric Analysis of Cancer Data in Measuring and Modeling Health Care Costs](#), Ana Aizcorbe, Colin Baker, Ernst Berndt, and David Cutler, editors.

[The impact of recent chemotherapy innovation on the longevity of myeloma patients: US and international evidence](#), with Gisela Hostenkamp, *Social Science & Medicine* 130 (2015): 162-171.

[The impact of pharmaceutical innovation on premature mortality, cancer mortality, and hospitalization in Slovenia, 1997-2010](#), *Applied Health Economics and Health Policy* 13(2): 207-22, April 2015.

[The impact of pharmaceutical innovation on disability days and the use of medical services in the United States, 1997-2010](#), *Journal of Human Capital* 8(4): 432-480.

[The effect of pharmaceutical innovation on longevity, hospitalization and medical expenditure in Turkey, 1999-2010](#), with Mehtap Tatar and Zafer Çalışkan, *Health Policy* 117(3): 361-73, September 2014.

[Has Medical Innovation Reduced Cancer Mortality?](#), *CESifo Economic Studies* (2014) 60 (1): 135-177, First published online: November 14, 2013.

[Pharmaceutical Innovation and Longevity Growth in 30 Developing and High-income Countries, 2000-2009](#), *Health Policy and Technology* 3(1): 36-58, March 2014.

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[The Effect of Pharmaceutical Innovation on Longevity: Patient Level Evidence from the 1996–2002 Medical Expenditure Panel Survey and Linked Mortality Public-use Files](#), *Forum for Health Economics and Policy* 16(1): 1–33, Published Online 2013-01-24.

[The impact of therapeutic procedure innovation on hospital patient longevity: Evidence from Western Australia, 2000-2007](#), *Social Science and Medicine* 77: 50-9, January 2013.

The effect of pharmaceutical innovation on the functional limitations of elderly Americans: evidence from the 2004 National Nursing Home Survey, *Advances in Health Economics and Health Services Research* 23, 71-99 (2012).

Is home health care a substitute for hospital care?, *Home Health Care Services Quarterly* 31, 8-109 (2012).

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The contribution of pharmaceutical innovation to longevity growth in Germany and France, 2001-2007, *PharmacoEconomics* 30(3), March 2012, 197-211.

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Has pharmaceutical innovation reduced Social Security Disability growth?, *International Journal of the Economics of Business* 18 (2), 2011.

[Pharmaceutical Companies' Variation of Drug Prices Within and Among Countries Can Improve Social Well Being Over the Long Term](#), *Health Affairs* 30 (8), August 2011; shorter version also published in *The World Financial Review*, Sept/Oct. 2011.

What are the Respective Roles of the Public and Private Sectors in Pharmaceutical Innovation?, with Bhaven Sampat, *Health Affairs* 30(2):332-9, Feb. 2011.

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[Pharmaceutical Price Discrimination and Social Welfare](#), *Capitalism and Society* 5 (1), Article 2, 2010.

Are Increasing 5-Year Survival Rates Evidence of Success Against Cancer? A Reexamination Using Data from the U.S. and Australia, *Forum for Health Economics & Policy* 13 (2) (Health Economics), Article 11.
<http://www.bepress.com/fhep/13/2/11>

The Effect of Patent Expiration on U.S. Drug Prices, Marketing, and Utilization, with Gautier Duflos, *Concurrences (Review of Competition Laws)*.

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International differences in cancer survival rates: the role of new drug launches, *International Journal of Healthcare Technology and Management* 10 (3), 2009, 138-55.

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Pharmaceutical Innovation and U.S. Cancer Survival, 1992-2003: Evidence from Linked SEER-MEDSTAT Data, *Forum for Health Economics & Policy*: Vol. 10: Iss. 1 (Frontiers in Health Policy Research), Article 1.

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Pharmaceutical-embodied technical progress, longevity, and quality of life: drugs as ‘equipment for your health,’ with Suchin Virabhak, *Managerial and Decision Economics* 28: 371–392 (2007)

[The Effect of Drug Vintage on Mortality: Economic Effect of New Drugs](#), with Kee Taig Jung and Jeong Yoon Kim, *Korean Journal of Health Policy and Administration* 16(4), December 2006, 147-68.

Effects of new drugs on overall health spending: Frank Lichtenberg responds, *Health Affairs* 26(3), May-June, 887-90.

The effect of using newer drugs on admissions of elderly Americans to hospitals and nursing homes: state-level evidence from 1997-2003, *Pharmacoeconomics* 24 Suppl 3, 2006, 5-25.

The Impact of New Drugs on U.S. Longevity and Medical Expenditure, 1990-2003, *American Economic Review* 97 (2), May 2007, 438-443.

Ensuring the future supply of vaccines: Is a National Vaccine Authority the answer?, in *Pharmaceutical Innovation: Incentives, Competition, and Cost-Benefit Analysis in International Perspective*, ed. by Chee-Ruey Hsieh and Frank Sloan (Cambridge University Press, 2007), 127-52.

The impact of increased utilization of HIV drugs on longevity and medical expenditure: an assessment based on aggregate U.S. time-series data, *Expert Review of Pharmacoeconomics and Outcomes Research*, Volume 6, Number 4, August 2006, 425-436.

Did CMS' Functional Equivalence Decision Result in Equitable Payments?, *Journal of Pharmaceutical Finance, Economics & Policy* 15(1), 2006, 7-20.

Has using newer drugs reduced admissions to hospitals and nursing homes?, *Swiss Journal of Economics and Statistics* 142, 2006, pp. 69-75.

The Benefits to Society of New Drugs: A Survey of the Econometric Evidence, in *Engaging the New World: Responses to the Knowledge Economy*, edited by Bhajan S. Grewal and Margarita Kumnick, Melbourne University Press, Melbourne, 2006.

Pharmaceutical Innovation as a Process of Creative Destruction, in *Knowledge Accumulation and Industry Evolution: The Case of Pharma-Biotech*, ed. by Mariana Mazzucato and Giovanni Dosi (Cambridge University Press, 2006), pp. 21-72.

Pharmaceutical innovation and the burden of disease in developing countries, *Journal of Medicine and Philosophy* 30(6), December 2005.

Pharmaceutical Knowledge-Capital Accumulation and Longevity, in *Measuring Capital in the New Economy*, ed. by Carol Corrado, John Haltiwanger, and Dan Sichel, pp. 237-269 (University of Chicago Press, 2005).

Availability of new drugs and Americans' ability to work, *Journal of Occupational and Environmental Medicine* 47 (4), April 2005, 373-380.

The Effect of Access Restrictions on the Vintage of Drugs Used by Medicaid Enrollees, *American Journal of Managed Care* 11, Special Issue, 2005, SP7-SP13.

The impact of new drug launches on longevity: evidence from longitudinal disease-level data from 52 countries, 1982-2001, *International Journal of Health Care Finance and Economics* 5, 2005, pp. 47-73.

Sources of U.S. Longevity Increase, 1960-2001, *Quarterly Review of Economics and Finance* 44(3), pp. 369-389 (July 2004).

Public policy and innovation in the U.S. pharmaceutical industry, in *Public Policy and the Economics of Entrepreneurship*, ed. by Douglas Holtz-Eakin and Harvey S. Rosen (MIT Press, 2004), pp. 83-113.

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Pharmaceutical Innovation, Mortality Reduction, and Economic Growth, in *Measuring the Gains from Medical Research: An Economic Approach*, ed. by Kevin M. Murphy and Robert H. Topel (Chicago: University of Chicago Press, 2003), pp. 74-109.

The Dual Effects of Intellectual Property Regulations: Within- and Between-Patent Competition in The US Pharmaceuticals Industry, with Tomas Philipson, *Journal of Law & Economics* 45, pp. 643-672, 2002.

The Effects of Medicare on Health Care Utilization and Outcomes, *Frontiers in Health Policy Research*, Vol. 5, ed. by Alan Garber (MIT Press, 2002), <http://www.nber.org/chapters/c9857>

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Does foreign direct investment transfer technology across borders?, with Bruno van Pottelsberghe de la Potterie, *The Review of Economics and Statistics*, Aug 2001; Vol. 83, Iss. 3; pp. 490-7.

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The Effect of Pharmaceutical Utilisation and Innovation on Hospitalisation and Mortality, in *Productivity, Technology, and Economic Growth*, ed. by B. van Ark, S. K. Kuipers and G. Kuper (Kluwer Academic Publishers, 2000).

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The Output Contributions of Computer Equipment and Personnel: A Firm-Level Analysis, *Economics of Innovation and New Technology* 3 (1995), 201-17.

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Have International Differences in Educational Attainment Levels Narrowed?, in *Convergence of Productivity: Cross-National Studies and Historical Evidence*, ed. by W. Baumol, R. Nelson, and E. Wolff (New York: Oxford University Press, 1994), 225-42.

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Industrial De-Diversification and Its Consequences for Productivity, *Journal of Economic Behavior and Organization* 18 (1992), 427-38.

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Review of *International High-Technology Competition*, by F. M. Scherer, in *The Journal of Economic Literature* XXXI (4), Dec. 1993, 2015-7.

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Review of *The Burden of Government*, by Edwin S. Mills (Stanford: Hoover Institution Press, 1986) in *Journal of Comparative Economics* 12(2), June 1988, 304-5.

Military R&D Depletes Economic Might, *Wall Street Journal* (editorial page article), Aug. 21, 1986; reprinted in *Impact*, newsletter of the Institute of Electrical and Electronic Engineers 11(1), May 1987.

CONGRESSIONAL TESTIMONY

Testified before the House Committee on Veterans' Affairs on [Access to new drugs in the Veterans Health Administration](#), Sept. 22, 2009.

Testified before the House Committee on Science, Space, and Technology in hearings on Corporate Restructuring and Its Effects on R&D, July 13, 1989.

SOURCES OF RESEARCH GRANTS, FELLOWSHIPS, AND CONTRACTS

American Assembly of Collegiate Schools of Business	Merck and Co.
American Enterprise Institute	National Institute of Education
American Statistical Association	National Institutes of Health
Federal Trade Commission	National Pharmaceutical Council
French-American Foundation	National Science Foundation
Fulbright Commission	Pfizer, Inc.
German Academic Exchange Service	RAND Corporation
German Marshall Fund of the U.S.	Research Triangle Institute
Jerome Levy Economics Institute	Securities Industry Association
MacArthur Foundation	Alfred P. Sloan Foundation
Siemens	U.S. Bureau of the Census

CONSULTING AND REVIEWING ACTIVITIES

Reviewer for:

Administrative Science Quarterly	Journal of Industrial Economics
American Economic Review	Journal of Labor Economics
Commonwealth Fund	Journal of Peace Research
Econometrica	Journal of Political Economy
Economic Letters	Journal of Policy Analysis and Management
Economica	Journal of Productivity Analysis
Economics of Innovation and New Technology	Journal of Public Economics
European Economic Review	Journal of the American Medical Association
Financial Management	Medical Care
Health Affairs	MIT Press
Health Economics	National Science Foundation
Industrial Relations	Oxford University Press
International Journal of Epidemiology	Population Studies
International Journal of Industrial Organization	Prentice Hall
Journal of Comparative Economics	Princeton University Press
Journal of Development Economics	Quarterly Journal of Economics
Journal of Economic Behavior and Organization	Rand Journal of Economics
Journal of Econometrics	Research Policy
Journal of Economic Literature	Review of Income and Wealth
Journal of Health Economics	Science

Journal of Health Politics, Policy and Law

University of Chicago Press

Consultant to:

Amer. Fed. of State, County, and Municipal Employees	New York City Water Board
American Hospital Association	New York State Dept. of Econ. Devel.
American Society for Clinical Oncology	OECD
Barr Laboratories	Pennie and Edmonds
Community Preservation Corporation	RAND Corporation
Consortium on Productivity in the Schools	Research Triangle Institute
Economic Policy Institute/Union of Concerned Scientists	Skadden, Arps, Slate, Meagher, & Flom
Gellman Research Associates	Touche, Ross, and Co.
Institute of Medicine	U.S. Bureau of the Census
Internal Revenue Service	Wachtell, Lipton, Rosen & Katz
National Institute of Standards & Technology	Weil, Gotshal, & Manges
National Science Foundation	World Health Organization
New York Attorney General	

Outside activities, January 2006-June 2025

Consultant: Amgen, Baker Brothers, Deloitte Consulting LLP, Edelman, Eisai, Korean Research Based Pharmaceutical Industry Association, McKinsey, Mylan Laboratories, OTR Media Group, Oxford University Press, PharmaInvest, L.L.C., Price Waterhouse Coopers, Roche, Sanofi Aventis, TAP pharmaceuticals, Viewpoint Consulting

Expert witness: Food Marketing Consultants, Global Pharmaceuticals, Internal Revenue Service, New York City Law Department, New York State Office of Attorney General, anonymous generic pharmaceutical company

Speaker: Abbott Labs, AdvaMed, Alliance for Aging Research, AMCP Horizons, LLC, Associação Portuguesa da Indústria Farmacêutica, Association of Research-based Pharmaceutical Firms (Turkey), Bates White Economic Consulting, Biogen Idec, Canada's Research-Based Pharmaceutical Companies (Rx&D), Canadian Medical Association, Croatian Association of Research-based Pharmaceutical Companies, Danish Association of the Pharmaceutical Industry, George Mason University, Gerson Lehrman Group, Hamburg Center for Health Economics, Hitotsubashi University, InHealth Institute for Health Technology Studies, International Federation of Pharmaceutical Manufacturers and Associations, Interpharma, International Research-Based Pharmaceutical Manufacturers Association, Irish Pharmaceutical Healthcare Association Ltd, Manhattan Institute for Policy Research, Merck & Co., Inc., Merck Frosst, Milken Institute, Montreal Economic Institute, MSD Portugal, National Institutes of Health, Ontario Ministry of Health, Pfizer, pharma.be, Pharma Israel, Pharmacy Society of Wisconsin, Quebec International, Research!America, Roche, Rutgers University, Science Union et Cie, St. Vincent's Hospital, (Slovenian) Forum of International Research and Development Pharmaceutical Companies, Stockholm Network, Swiss Ministry of Health, Swiss Pharma importers, US-Russia Business Council, Vital Options, Watson Wyatt Worldwide

Researcher:

Organization	Research area
Innovative Medicines Canada	The impact of pharmaceutical innovation on mortality and hospital utilization in Canada, 2000-2022
Information Technology and Innovation Foundation	The Adverse Effects of Imprecise (or Inappropriate) Medicine

Medicines Australia	The effect of drugs provided by the Pharmaceutical Benefits Scheme on mortality and hospital utilization in Australia, 2002-2019
pharma.be	Impact of pharmaceutical innovation on mortality and hospitalization in Belgium
Asociación Nacional Empresarial de la Industria Farmacéutica	The relationship between pharmaceutical innovation and cancer mortality in Spain, 1999-2016
American Association of Nurse Anesthetists	Do certified registered nurse anesthetists increase access to anesthesia services by underserved populations?
Analysis Group	Analysis of IMF Recommendations to Foreign Governments Faced with Fiscal Crises and Impacts on the Biopharmaceutical Sector; Global Drug Price Index project
American Enterprise Institute	The impact of new (orphan) drug approvals on premature mortality from rare diseases in the U.S. and France, 1999-2007; The effect of pharmaceutical innovation on longevity: patient-level evidence from the 1996-2005 Medical Expenditure Panel Survey and Linked Mortality Public-use Files
Center for Medicine in the Public Interest	The impact of pharmaceutical innovation on cancer survival: evidence from the SEER-Medicare Linked Database
Home Instead, Inc.	Is home health care a substitute for hospital care?
Laboratory Health Care Coalition	Econometric Estimation of the Value of Clinical Laboratory Innovations
Novartis	The impact of new (orphan) drug approvals on premature mortality from rare diseases in the U.S. and France, 1979-2005; The effect of pharmaceutical innovation on the functional limitations of elderly Americans: evidence from the 2004 National Nursing Home Survey; The effect of pharmaceutical innovation on longevity: patient-level evidence from the 1996-2005 Medical Expenditure Panel Survey and Linked Mortality Public-use Files; The impact of pharmaceutical innovation on medication adherence in the U.S.
National Pharmaceutical Council	Has Medicare Part D improved the health of elderly Americans?
PhRMA	Value of Medicines in the Korean Health Care System
Siemens Medical Solutions	The Quality of Medical Care, Behavioral Risk Factors, and Longevity Growth; Has Medical Innovation Reduced Cancer Mortality?
AdvaMed	The impact of antimicrobial susceptibility testing on the survival and treatment costs of inpatients with infectious diseases
Canada's Research-Based Pharmaceutical Companies (Rx&D)	The impact of drug vintage on patient survival: A Patient-Level Analysis Using Quebec's Provincial Health Plan Data; The impact of pharmaceutical innovation on premature cancer mortality in Canada
International Federation of Pharmaceutical Manufacturers and Associations	Have newer cardiovascular drugs reduced hospitalization? Evidence from longitudinal country-level data on 21 OECD countries, 1995-2004
Manhattan Institute for Policy Research	The Quality of Medical Care, Behavioral Risk Factors, and Longevity Growth; Has pharmaceutical innovation reduced Social Security Disability growth?; Does competition stimulate drug utilization? The impact of changes in market structure on US drug prices, marketing and utilization

Merck & Co., Inc.	The contribution of pharmaceutical innovation to longevity growth in Germany and France, 2001-2007; The impact of pharmaceutical innovation on longevity and medical expenditure in Greece
National Institutes of Health	What are the respective roles of the public and private sectors in pharmaceutical innovation?
Pfizer	The impact of new (orphan) drug approvals on premature mortality from rare diseases in the U.S. and France, 1979-2005; The effect of pharmaceutical innovation on longevity: patient-level evidence from the 1996-2005 Medical Expenditure Panel Survey and Linked Mortality Public-use Files; Pharmaceutical innovation and longevity growth in 30 developing and high-income countries, 2000-2009
Science Union et Cie	The contribution of pharmaceutical innovation to longevity growth in Germany and France, 2001-2007
SNS - Centre for Business and Policy Studies	The impact of pharmaceutical innovation on longevity and medical expenditure in Sweden, 1997-2010: evidence from longitudinal, disease-level data
Celgene	The impact of recent chemotherapy innovation on the longevity of myeloma patients: U.S. and international evidence
Vereinigung Pharmafirmen in der Schweiz	The impact of pharmaceutical innovation on longevity and medical expenditure in Switzerland
(Slovenian) Forum of International Research and Development Pharmaceutical Companies	The impact of pharmaceutical innovation on longevity and medical expenditure in Slovenia
Steptoe & Johnson	Preparation of expert report
Polar Sağlık Ekonomisi ve Politikası Dan. Tic. Ltd. Şti	Research on the impact of pharmaceutical innovation on longevity and medical expenditure in Turkey
MSD Portugal	Research on the impact of pharmaceutical innovation on mortality and hospitalization in Portugal
MSD Australia	Research on the impact of pharmaceutical innovation on premature mortality, hospitalization, and cancer survival in Australia
Asociación Mexicana de Industrias de Investigación Farmacéutica A.C.	Research on the impact of pharmaceutical innovation on premature mortality, hospitalization, and cancer survival in Mexico
Medicines New Zealand	Research on the impact of pharmaceutical innovation on the longevity and hospitalization of cancer patients in New Zealand
Montreal Economic Institute	Preparation and presentation of report, <i>The benefits of pharmaceutical innovation: health, longevity, and savings</i>
PhRMA	The impact of new drug launches on longevity growth in 9 Middle Eastern and African countries, 2007-2015
Novartis	The impact of pharmaceutical innovation on health and disability in 27 European countries, 2004-2015

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AFIDRO - Asociación de Laboratorios Farmacéuticos de Investigación y Desarrollo	The impact of new drug launches on premature mortality, medical procedure utilization, and medical expenditure in Colombia, 2003-2015
CAEMe - Cámara Argentina de Especialidades Medicinales	The impact of new drug launches on premature mortality and medical expenditure in Argentina, 2003-2013
MSD Ireland	the impact of pharmaceutical innovation on longevity in Ireland
Incyte	The impact of pharmaceutical innovation on mortality from 22 types of cancer in 28 countries, 2002-2012: a triple-differences analysis
Merck	The impact of pharmaceutical innovation on cancer patient outcomes in Russia during the period 2002-2012
Analysis Group	Preparation of expert report