

Pilar Nicole Ossorio, Ph.D., JD

University of Wisconsin Law School
975 Bascom Mall, rm. 9103
Madison, WI 53706-1399

phone: (608) 263 – 4387
pnossorio@wisc.edu

Morgridge Institute for Research
330 N. Orchard St
Madison, WI 53715

phone: (608) 316 – 4650
possorio@morgridgeinstitute.org

CURRENT POSITION

Professor of Law and Bioethics, University of Wisconsin; Bioethics Scholar-in-Residence at the Morgridge Institute for Research

UNIVERSITY OF WISCONSIN-MADISON AND MORGRIDGE INSTITUTE FOR RESEARCH

Co-Director, UW Research Ethics Consultation Service, 2013 – present

Professor of Law and Bioethics, University of Wisconsin, 2012 – present

Inaugural Bioethics Scholar-in-Residence, Morgridge Institute for Research, 2011 – present

Co-Director, Dual Degree Program in Law and Neuroscience, 2011 – present

Associate Professor of Law and Bioethics, 2006 – 2011

Program Faculty, Graduate Program in Population Health, 2004 – present

Assistant Professor of Law and Bioethics, 2000 – 2006

Faculty Associate, Center for the Study of Race and Ethnicity in Medicine, 2000 – 2002

Teaching:

Torts

Patent Law

Introduction to Intellectual Property

Law, Science & Biotechnology

Biotechnology Regulation

Clinical Ethics

Biotechnology Patent Law Seminar

Law and Medicine

Concepts of Race in Medicine

Service at the University of Wisconsin and the Morgridge Institute for Research:

University of Wisconsin School of Medicine and Public Health, Strategic Plan Implementation Committee, 2015 - present

University of Wisconsin Advisory Committee for the Office of Equity and Diversity, 2014 – present
Law School Tenure Committee, 2014 – present
Chair, Committee on Ethical, Legal, and Social Implications of Human Genome Research and Clinical Genomics, 2013 – present
Morgridge Conflicts of Interest Committee, 2013 – present
Law School, Clinical Appointments Committee, 2012 – 2014
UW Stem Cell Research Oversight Committee, 2010 – present
Law School Academic Planning Council, 2010 – 2013
Committee for the Five Year Review of the Law School Dean, 2010
Law School Appointments Committee, 2007 – 2011, 2013
Search committees for various faculty positions
in Medical History and Bioethics, 2004 – 2008
Law School Curriculum Committee, 2004 – 2005, 2008 – 2010 (chair 2009 – 2010)
Law School Research Committee, 2004, 2005, 2007 – 2008
Law School Retentions Committee, 2004 – 2005
Mentor, Chancellor’s Scholar’s Program, 2003 – present
Health Sciences Institutional Review Board, 2003 – present
UW Hospital Ethics Committee, 2003 – present
Law School Representative to the Faculty Senate, 2001 – 2003
Medical School Admissions Committee, 2000 – 2003
Hastie Fellows Committee, 2002 – 2005

BIOETHICS AND LAW PUBLICATIONS

Ossorio, P.N., *The Ethics of Translating High-Throughput Science Into Clinical Practice*, 44 HASTINGS CENTER REPORT 8 (2014) (forthcoming republication in: *The ETHICAL CHALLENGES OF EMERGING MEDICAL TECHNOLOGIES* (A.L. Caplan and B. Parent eds., Ashgate, Feb. 2016)).

Fujimura et al., *The Reproduction of Biological Race Through Clinical Classes: A Response to Shiao*, 32 SOCIOLOGICAL THEORY 208 (2014).

Ossorio, P.N., *Repositories for Sharing Human Data in Stem Cell Research*, in *REGENERATIVE MEDICINE ETHICS: GOVERNING RESEARCH AND KNOWLEDGE PRACTICES* (Linda Hogle ed., Springer Press, 2014).

Ossorio, P.N. & Kelleher, J.P., *Why We Should Not Use the Affordable Care Act to Encourage Widespread Whole Genome Sequencing*, 39 JOURNAL OF HEALTH POLITICS, POLICY AND LAW 247 (2014). PMID: 24193611

Caulfield, T. et al., *Reflections on the Cost of “Low-Cost” Whole Genome Sequencing: Framing the Health Policy Debate*, 11 PLOS BIOLOGY. e1001699. Doi: 10.1371/journal.pbio.1001699 (2013). PMID: 24223516, PMCID: PMC3818164

- Shapiro, R.B. & Ossorio, P.N., *Regulation of Online Social Network Research*, 339 SCIENCE 144 (2013). PMID:23307724
- Shapiro, R.B. & Ossorio, P.N., *Ethics for Design-based Research on Online Social Networks*, 1 CSCL 422 (2013).
- Ossorio, P.N., *Taking Aims Seriously: Repository Research and Limits on the Duty to Return Individual Research Findings*, 14 GENETICS IN MEDICINE 461 (2012). PMID: 22402758; PMCID 3940279
- Wolf, S.M. *et al.*, *Managing Incidental Findings and Research Results in Genomic Research Involving Biobanks and Archived Datasets*, 14 GENETICS IN MEDICINE 361 (2012). PMID: 22436882, PMCID: PMC3597341
- Ossorio, P.N., *Bodies of Data: Genomic Data and Bioscience Data Sharing*, 78 JOURNAL OF SOCIAL RESEARCH 907 (2011).
- Ossorio, P.N., *Myth and Mystification: The Science of Race and IQ*, in RACE AND THE GENETIC REVOLUTION (Sheldon Krimsky ed., Columbia University Press, 2011).
- Fujimura, J., Rajagopalan, R., Ossorio, P.N. & Docksum, K.A., *Race Versus Ancestry: Operationalizing Populations in Human Genetic Variation Studies*, in WHAT'S THE USE OF RACE: MODERN GOVERNANCE AND THE BIOLOGY OF DIFFERENCE (Ian Whitmarsh & David S. Jones eds., MIT Press, 2010).
- Ossorio, P.N., *Race, Genes, and Intelligence*, 22 GENEWATCH 11 (2009). A longer version of the article is available at <http://www.councilforresponsiblegenetics.org/Projects/CurrentProject.aspx?projectId=8>.
- Lee, S.S., Bolnick, D.A., Duster, T., Ossorio, P.N. & TallBear, K., *The Illusive Gold Standard in Genetic Ancestry Testing*, 325 SCIENCE 38 (2009). PMID: 19574373
- Bolnick, D.A. *et al.*, *The Science and Business of Genetic Ancestry Testing*, 318 SCIENCE 399 (2007). PMID: 17947567
- Ossorio, P.N., *The Human Genome As Common Heritage: Common Sense or Legal Nonsense?*, 35 JOURNAL OF LAW, MEDICINE & ETHICS 427 (2007). PMID: 17714252
- Ossorio, P.N., *Letting the Gene Out of the Bottle? A Comment on Returning Individual Research Results to Participants*, 6 AMERICAN JOURNAL OF BIOETHICS 24 (2006). PMID: 17085399
- Ossorio, P.N., *About Face: Forensic Genetic Profiling for Race and Visible Traits*, 34 JOURNAL OF LAW, MEDICINE & ETHICS 277 (2006). PMID: 16789949
- Ossorio, P.N. & Duster, T., *Race and Genetics: Controversies in Biomedical, Behavioral, and Forensic Sciences*, 60 AMERICAN PSYCHOLOGIST 115 (2005). PMID: 15641926
- Ossorio, P.N., *Race, Genetic Variation, and the Haplotype Mapping Project*, 41 LOUISIANA LAW REVIEW 131 (2005).
- Ossorio, P.N., *Societal and Ethical Issues in Pharmacogenomics*, in PHARMACOGENOMICS: APPLICATIONS TO PATIENT CARE (Richard T. Scheife ed., AACP, 2004).
- Ossorio, P.N., *Inheritable Genetic Modifications: Do We Owe Them To Our Children?*, in DESIGNING OUR DESCENDANTS (Mark Frankel & Audrey Chapman eds., AAAS, 2003).
- Ossorio, P.N., *Property and Human Bodies*, in WHO OWNS LIFE (David Magnus, Arthur Caplan & Glenn McGee eds., Prometheus, 2002).
- Ossorio, P.N., *Not Taking, Just Borrowing: Government Use of Patented Drugs*, 2 AMERICAN JOURNAL OF BIOETHICS 51 (2002). PMID: 12230861

- Ossorio, P.N., *Legal and Ethical Issues in Biotechnology Patenting*, in A COMPANION TO GENETHICS: PHILOSOPHY AND THE GENETIC REVOLUTION (Justine Burley & John Harris eds., Oxford Press, 2002).
- Ossorio, P.N., *Pills, Bills and Research Skills: Physician-Researchers' Conflicts of Interest*, 8 WIDENER LAW JOURNAL 76 (2001).
- Ossorio, P.N., *Product Liability for Predictive Genetic Tests*, 41 JURIMETRICS 239 (2001).
- Ossorio, P.N., *Prenatal Genetic Testing and the Courts*, in PRENATAL GENETIC TESTING (Eric Parens ed., 2000).
- Ossorio, P.N., *Health By Law: The Influence of Labor and Employment Law on Workers' Health*, 3 JOURNAL OF GENDER-SPECIFIC MEDICINE 45 (2000).
- Ossorio, P.N., *Dead Men Tell Tales: Disclosure of Genetic Information Discovered at Autopsy*, 11 SOCIETY OF PATHOLOGISTS REPORT 3 (2000).
- Ossorio, P.N., *Common Heritage Arguments and the Patenting of Human DNA*, in PERSPECTIVES ON GENETIC PATENTING: RELIGION, SCIENCE AND INDUSTRY IN DIALOGUE (Audrey Chapman ed., AAAS, 1999).
- Ossorio, P.N., *No Boys Allowed? Hiring Men into Ob-Gyn Practices*, 2 JOURNAL OF GENDER-SPECIFIC MEDICINE 34 (1999). PMID: 11252859
- Ossorio, P.N., *Ethics in Forensic Pathology*, 422 AMERICAN MEDICAL NEWS 6 (1999).
- Ossorio, P.N., *Breast Cancer Genetic Testing*, 394 AMERICAN MEDICAL NEWS 4 (1997).
- Asch, A. & Ossorio, P.N., *In Sickness and in Health... More Than Purgatory, Less Than Paradise?* (a review of the President Clinton's health care reform plan), 11 WOMEN'S REVIEW OF BOOKS 3 (1994).
- Ossorio, P.N., *Reflections on Health Care Reform*, Fall/Winter YALE MEDICINE 2(1994).
- Yesley, M.S. & Ossorio, P.N., ELSI BIBLIOGRAPHY (1994).
- Ossorio, P.N., *Eugenics, Human Genetics, and Human Failings* (book review), Summer DISABILITY STUDIES QUARTERLY 28 (1993).
- Ossorio, P.N. (in preparation, manuscript available on request) *Bioscience Governance: Data Sharing in Action*.
- Ossorio, P.N. (in preparation, manuscript available on request) *Genotype-driven research recruitment: When is it deception?*

COMMITTEE REPORTS AND COMMISSIONED PAPERS

INDUSTRIALIZING BIOLOGY: A ROADMAP TO ACCELERATE THE INDUSTRIAL MANUFACTURING OF CHEMICALS, Committee in Industrializing Biology, National Research Council (National Academies Press, forthcoming 2015).

PROPERTY AND INTELLECTUAL PROPERTY CONSIDERATIONS AFFECTING DISPOSITION OF THE ARMED FORCES INSTITUTE OF PATHOLOGY'S TISSUE REPOSITORY FOLLOWING ITS TRANSFER TO THE JOINT PATHOLOGY CENTER, Committee on the Appropriate Uses of AFIP's Tissue Repository Following its Transfer to the Joint Pathology Center, Institute of Medicine (National Academies Press, 2012).

2008 AMENDMENTS TO THE NATIONAL ACADEMIES' GUIDELINES FOR HUMAN EMBRYONIC STEM CELL RESEARCH, Human Embryonic Stem Cell Research Advisory Committee, National Research Council (National Academies Press, 2008).

2007 AMENDMENTS TO THE NATIONAL ACADEMIES' GUIDELINES FOR HUMAN EMBRYONIC STEM CELL RESEARCH, Human Embryonic Stem Cell Research Advisory Committee, National Research Council (National Academies Press, 2007).

A PATENT SYSTEM FOR 21ST CENTURY, Committee on Intellectual Property Rights in the Knowledge Based Economy, National Research Council (National Academies Press, 2004).

PATENTS IN THE KNOWLEDGE-BASED ECONOMY, Committee on Intellectual Property Rights in the Knowledge Based Economy, National Research Council (National Academies Press, 2003).

RESPONSIBLE RESEARCH: A SYSTEMS APPROACH TO PROTECTING RESEARCH PARTICIPANTS, Committee on Assessing the System for Protecting Human Research Subjects, Institute of Medicine (National Academies Press, 2002).

FULFILLING THE POTENTIAL OF CANCER PREVENTION AND EARLY DETECTION, National Cancer Policy Board, Institute of Medicine (National Academies Press, 2002).

MAMMOGRAPHY AND BEYOND: DEVELOPING TECHNOLOGIES FOR THE EARLY DETECTION OF BREAST CANCER, National Cancer Policy Board, Institute of Medicine (National Academies Press, 2001).

PRESERVING THE PUBLIC TRUST: ACCREDITATION AND HUMAN RESEARCH PARTICIPANT PROTECTION PROGRAMS, Committee on Assessing the System for Protecting Human Research Subjects, Institute of Medicine (National Academies Press, 2001).

IMPROVING PALLIATIVE CARE FOR CANCER, National Cancer Policy Board, Institute of Medicine (National Academies Press, 2001).

ENHANCING DATA SYSTEMS TO IMPROVE THE QUALITY OF CANCER CARE, National Cancer Policy Board, Institute of Medicine (National Academies Press, 2000).

SCIENTIFIC PUBLICATIONS

The 1000 Genomes Project Consortium, *A Global Reference for Human Genetic Variation*, Nature, 526: 68 – 74 (2015). PMID: 26432245 (Ossorio was a member of the 1000 Genomes Consortium)

The 1000 Genomes Project Consortium, *An Integrated Map of Genetic Variation from 1092 Human Genomes*, Nature 491: 56-65 (2012). PMID: 23128226, PMCID: PMC3498066.

The 1000 Genomes Project Consortium, *A Map of Human Genome Variation from Population-Scale Sequencing*, Nature 467: 1061-1073 (2010). PMID: 20981092, PMCID: PMC3042601.

The International HapMap Consortium, *Integrating Ethics and Science in the International HapMap Project*, Nature Reviews Genetics 5: 467-475 (2004). PMID: 15153999, PMCID: PMC2271136 (Ossorio was a member of the International HapMap Consortium)

International HapMap Consortium, *The International HapMap Project*, Nature 426: 789-796 (2003). PMID: 14685227

Ossorio, P.N., Dubremetz, J.F. & Joiner, K.A., *A Soluble Secretory Protein of the Intracellular Parasite Toxoplasma gondii Associates with the Parasitophorous Vacuole Membrane through*

Hydrophobic Interactions, Journal of Biological Chemistry 269: 15350-15357 (1994). PMID: 8195173

Joiner, K.A., Beckers, C.J.M., Bermudes, D., Ossorio, P.N., Schwab, C.J. & Dubremetz, J.F., *Structure and Function of the Parasitophorous Vacuole Membrane Surrounding Toxoplasma gondii*, Annals of the New York Academy of Science 730: 1-6 (1994). PMID: 8080165

Ossorio, P.N., Schwartzman, J.D. & Boothroyd, J.C., *A Toxoplasma gondii Rhoptry Protein Associated with Host Cell Penetration Has Unusual Charge Asymmetry*, Molecular Biochemical Parasitology 50: 1-16 (1992). PMID: 1542304

Ossorio, P.N., Sibley, L.D. & Boothroyd, J.C., *Mitochondrial-like DNA Sequences Flanked by Direct and Inverted Repeats in the Nuclear Genome of Toxoplasma gondii*, Journal of Molecular Biology 222: 525-536 (1991). PMID: 1660924

Ossorio, P.N., (doctoral dissertation) CHARACTERIZATION OF A RHOPTRY PROTEIN GENE IN *TOXOPLASMA*, AND THE DISCOVERY OF MITOCHONDRIAL-LIKE SEQUENCES IN ITS NUCLEAR GENOME (Stanford University Press, 1990).

Boothroyd, J.C., Burg, J.L., Nagel, S.D., Ossorio, P.N., Perelman, D., Kasper, L.H., Ware, P.L., Prince, J., Sharma, S. & Remington, J., *Antigen and Tubulin Genes of Toxoplasma gondii, in MOLECULAR STRATEGIES OF PARASITIC INVASION, UCLA SYMPOSIUM ON MOLECULAR & CELLULAR BIOLOGY, VOL. 42* (Agabain, N., Goodman, H & Noguiera, N. eds., 1987).

PRIOR EMPLOYMENT

BERKELEY LAW (BOALT HALL), UNIVERSITY OF CALIFORNIA, Berkeley, CA
Visiting Professor of Law, 2006

UNIVERSITY OF CHICAGO SCHOOL OF LAW, Chicago, IL
Adjunct Professor of Law, 1998 – 2000

AMERICAN MEDICAL ASSOCIATION, Chicago, IL
Director, Genetics Section, Institute for Ethics, 1997 – 2000

MORRISON AND FOERSTER, LLP, Palo Alto, CA
Summer Associate, then Associate, 1995 – 1997

PILLSBURY MADISON & SUTRO, San Francisco, CA
Summer Associate, June – Sept. 1995, Aug. 1996

WHITE HOUSE, Washington, DC
Special Government Employee working on health care reform with the Bioethics Working Group, 1993

EDUCATION AND TRAINING

UNIVERSITY OF CALIFORNIA AT BERKELEY SCHOOL OF LAW, J.D.

1997

Elected to Order of the Coif (legal honor society), 1997
Articles Editor, Berkeley Technology Law Journal, 1996 – 1997
Elected student representative to the appointments committee, 1995 – 1997
Research Assistant for professor Robert Merges, 1995 – 1996
Jurisprudence Awards (highest grade in class): Critical Race Theory; Substantive Legal Theory; Rights, Justice & Utility in Liberal Theory
Prosser Awards (second highest grade in class): Torts; Patent Law and Policy; Legal Ethics
Commendation in Moot Court

YALE UNIVERSITY SCHOOL OF MEDICINE, Post Doctoral Fellowship **1990 – 1993**
Identified and characterized a parasitophorous vacuole membrane protein of the parasite *Toxoplasma gondii*
Trained medical fellows, medical students, and graduate students
Supervised two technicians
Successfully obtained three competitive grants

STANFORD UNIVERSITY

Ph.D., Microbiology and Immunology **1990**

B.S., Biology **1983**

Ph.D. thesis examined molecular mechanisms of host cell invasion employed by the eukaryotic parasite *Toxoplasma gondii*
Predoctoral National Research Service Award, 1988 – 1990
Qualified for Ph.D. with exams in bacterial genetics, bacterial physiology, medical microbiology, virology, and immunology
Student representative to the appointments committee in Microbiology and Immunology, 1988 – 1989
Student representative to the graduate school diversity committee, 1986 – 1989
Rape Prevention Education Project, treasurer 1980 – 1982

PROFESSIONAL ACTIVITIES – SELECTED ADVISORY COMMITTEES AND WORKING GROUPS

National Heart, Lung, and Blood Advisory Council, an HHS appointment 2015 – cont.
International Summit on Human Gene Editing, a National Academies of Sciences, Engineering, and Medicine Committee 2015
Committee on Industrialization of Biology: A Roadmap to Accelerate Advanced Manufacturing of Chemicals, a committee of the Board on 2014 – cont.

Chemical Sciences and Technology and the Board on the Life Sciences, National Research Council	
State of Wisconsin Umbrella Committee on Newborn Screening, Advisory to the State Dept. of Public Health	2014 – cont.
Secretary’s Advisory Committee on Human Research Protections, an HHS appointment	2012 – 2016
Working Group on the Federal Regulation of Probiotics (Diane Hoffman, PI), U. of MD Law School	2011 – 2012
Working Group on Returning Research Results and Incidental Findings (Susan Wolf, PI), U. MN Law School	2010 – 2012
Gene-Environment Interaction Project (Alexandra Shields, PI), Harvard University	2010 – 2012
International Advisory Committee to the Human Microbiome Project, National Institutes of Health (NIH)	2009 – 2012
Working Group on Translating Addiction Genomics Research into Practice: Ethics and Policy (Barbara Koenig and Jennifer McCormick, PIs), Mayo Clinic	2009 – 2012
National Advisory Council for Human Genome Research, an HHS appointment	2008 – 2011
Medical Sequencing Advisory Committee, National Human Genome Research Institute (NHGRI)	2008 – 2011
Working Group on Genetics Research in Indigenous Communities (Rebecca Tsosie and Kimberley Tallbear, PIs), ASU Law School	2008 – 2010
Working Group on Forensic Genetics (Pamela Sankar, PI), University of Pennsylvania	2008 – 2010
ELSI Assessment Committee (EAP) for the NHGRI: conducted a comprehensive evaluation of the program on the Ethical, Legal and Social Implications of the Human Genome Project (ELSI), and advised the Director on possible changes to the program	2007 – 2008
Steering Committee and Samples and ELSI Subcommittee of the 1000 Genomes Project, an international project to sequence the entire genomes of approximately 1500 people	2007 – 2014
Informed Consent Advisory Committee (Chair) and Umbrella Protocol Advisory Committee, Human Microbiome Project, NIH	2007
Human Embryonic Stem Cell Research Advisory Committee, a committee of the Board on Life Sciences and the Board on Health and Science Policy of the National Academy of Sciences	2006 – 2009
Technical Advisory Group for the Genetic Association Information Network of the Foundation for the National Institutes of Health	2006
Study Section (grant proposal review) for Ethical, Legal and Social (ELS) Implications of Human Genetics, National Institutes of Health	2006 – 2008
Toward a Comprehensive Genomic Analysis of Cancer: A Roundtable and Workshop (conference chair and speaker), National Cancer Institute and	2005

NHGRI

Workshop on the Future of the NHGRI Large-Scale Sequencing Program	2005, 2008, 2009
Workshop on Whole-Genome DNA Sequencing, NHGRI	2005
International Advisory Committee, Center for Excellence in Ethics Research, Case Western Reserve University. Cleveland, OH	2004 – 2010
Advisory board for the National Center for Bioethics. Tuskegee, AL	2003 – 2007
Advisory board for “New Definitions of Merit,” a project on law school admissions criteria, Berkeley Law. Berkeley, CA	2003 – 2009
Advisor to the National Library of Medicine, Bioethics Working Group	2003 – 2004
Lasker Foundation Forum on Ethical Issues in Biomedical Research and Practice	2003
Advisory Committee for the Latino Community Engagement Project (Amelie Raimerez, PI), Baylor University	2002 – 2004
Advisory committee for the Food and Drug Administration, Center for Devices and Radiological Health (CDER)	2002 – 2004
Working Group for Research on Human Germline Genetic Interventions (Rebecca Dresser, PI), Washington University. St. Louis, MO	2002 – 2004
Working Group on Equity in Newborn Screening, a joint project of the Hastings Center for Bioethics and the Health Services Research Administration (HRSA)	2002 – 2003
Liaison to the Committee on Intellectual Property Rights, National Research Council, National Academy of Sciences	2000 – 2003
Liaison to the Committee on Assessing the System for Protecting Human Research Subjects, Institute of Medicine, National Academy of Sciences	2000 – 2002
National Cancer Policy Board, Institute of Medicine, National Academy of Sciences	1999 – 2002
Co-chair, Working Group on Germ-line Genetic Intervention, American Association for the Advancement of Science (AAAS)	1998 – 2000

EXPERT WORK

Consulted on the regulation of human subjects research for the Havasupai Tribe in its litigation against the Arizona Board of Regents. Wrote briefs, participated in mediation, and prepared an opinion letter for settlement negotiations. 2005 – 2010.

SELECTED OTHER PROFESSIONAL AND PUBLIC EDUCATION ACTIVITIES

Consulted on the development and implementation of human subjects research oversight for the Hopi Tribe of Arizona	2010 – 2013
Member, site visit team for Centers for Excellence in Genome Ethics	2007

Editorial Board, American Journal of Bioethics	2002 – 2009
Adviser and interviewee for the PBS television series <i>Race—The Power of an Illusion</i> , produced by California Newsreel productions, Christine Herbes-Sommers, program producer, and Larry Adelman, executive producer	2001 – 2004
Adviser for the DNAFiles radio series produced by SoundVision Productions (winner of the 2000 Dupont Award, 2001 Peabody Award, 2002 Robert Wood Johnson Award for outstanding reporting in health and medicine, and the 2002 AAAS Pinnacle of Excellence Award for science reporting), Bari Scott, executive producer	1998 – 2003, & 2009 – 2011

AWARDS AND HONORS, 2000 AND LATER

Appointed by the Secretary of Health and Human Services to the National Heart, Lung, and Blood Advisory Council, 2015 - 2019

Appointed by the Secretary of Health and Human Services to the Secretary's Advisory Committee on Human Research Protections, 2012 – 2016

Distinguished Academic Alumni Award from Stanford University, 2010

Appointed by the Secretary of Health and Human Services to the National Advisory Council for Human Genome Research, 2008 – 2011

Elected to national office in AAAS as Member-at-Large representing the Section on Societal Impacts of Science and Engineering, 2001 – 2004

Elected to national office in AAAS as a member of the Electorate Nominating Committee, 1998 – 2001

Elected fellow of the AAAS, 2000