

CURRICULUM VITAE

GARY E. MARCHANT

Sandra Day O'Connor College of Law
Arizona State University
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Current Positions

Professor of Law, Arizona State University College of Law (Associate Professor from Aug. 1999 - July 2003; Professor from July 2003 to present)

Faculty Director, Center for Law, Science & Innovation, Arizona State University College of Law (July 2001- present)

Regents Professor, Arizona State University (Jan. 1, 2012 – present)

Lincoln Professor of Emerging Technologies, Law & Ethics, Arizona State University (July 2005 - present)

Professor of Life Sciences, School of Life Sciences, Arizona State University (July 2004 - present)

Distinguished Sustainability Scientist, Global Institute of Sustainability (2014-present); Senior Sustainability Scientist (2010-2014)

Faculty Affiliate, School of Public Affairs (2012-present)

Faculty Affiliate, Future of War Center (2014-present)

Courses Taught

Environmental Law
Law, Science and Technology
FDA Regulation of Drugs, Devices & Biologicals
Nanotechnology Law & Policy
Biotechnology: Law, Science & Policy
Genetics and the Law
Research Ethics and Law

Legal Education

J.D., magna cum laude, Harvard Law School, 1990 (Class rank 1/540).

- Activities:
- Editor-in-Chief, Harvard Journal of Law & Technology
 - Editor, Harvard Environmental Law Review
 - Vice-President, Harvard Law & Technology Society
- Awards:
- Harvard Law School Sears Prize, 1988 (awarded to top two students in first year class)
 - Harvard Law School, Fay Diploma, 1990 (awarded to top student in graduating class)

Other Education

Master of Public Policy, John F. Kennedy School of Government, Harvard University, 1990.

Ph.D. (Genetics), Department of Zoology, University of British Columbia, 1986.

B.Sc., University of British Columbia, 1980; Dean's Honor List.

Bar Admissions:

Massachusetts (admitted 1991) (currently inactive)
District of Columbia (admitted 1993)

Legal Practice

Kirkland & Ellis, Washington, D.C., Sept. 1990-June 1999, elected Partner in September 1995.

Practice Areas: Environmental, occupational safety & health, and administrative law. Represented clients in cases before the U.S. Supreme Court, the U.S. Court of Appeals for the D.C., First, Second, Fifth and Sixth Circuits, and several federal district courts and state courts. Represented clients in numerous administrative proceedings before the U.S. Environmental Protection Agency, Occupational Safety & Health Administration, Food & Drug Administration, National Toxicology Program, Consumer Product & Safety Commission, National Highway Traffic Safety Administration, and the Federal Trade Commission. Also represented clients in product liability and toxic tort litigation.

Activities, Awards and Memberships

Professor of the Year, Sandra Day O'Connor College of Law, 2007, 2011 (voted by students)
2009 Outstanding Faculty Award, Arizona State University Alumni Association
Law Professor of the Year, 2003, awarded by the Maricopa County Bar Association
American Law Institute, Elected Member, 2013-present
Principal Investigator, "Physician Liability and Personalized Medicine," R01 grant from National Human Genome Research Institute, NIH, August 2012-July 2015

Principal Investigator, “Governing Nanotechnology Risks and Benefits in the Transition to Regulation: Innovative Public and Private Approaches,” ELSI Grant from Department of Energy Genomes to Life Program, Sept. 2010-August 2012

Principal Investigator, “Adapting Law to Rapid Technological Change,” National Science Foundation, October 2009 – September 2012

Principal Investigator, “Mechanisms for Transnational Coordination and Harmonization of Nanotechnology Governance,” ELSI Grant from Department of Energy Genomes to Life Program, Sept. 2007-August 2009.

Principal Investigator, “Genetic Susceptibility and Environmental Regulation,” R01 Grant from the National Human Genome Research Institute and the National Institute of Environmental Health Sciences, May 2003 - February 2005.

Member, National Academy of Science’s Committee on Human Gene Editing, December 2015-present.

Member, National Research Council (National Academy of Sciences), Committee on Assessment of Technologies and Approaches for Reducing the Fuel Consumption of Medium- and Heavy-Duty Vehicles, Phase 2, February 2013-present.

Member, National Research Council (National Academy of Sciences), Committee on Assessment of Solid State Lighting, May 2011-February 2013.

Member, National Research Council (National Academy of Sciences) Committee on State Practices in Setting Mobile Source Emission Standards, 2004-2006

Member, National Research Council (National Academy of Sciences) Committee on Applications of Toxicogenomic Technologies to Predictive Toxicology and Risk Assessment, 2005-2007

Congressional Testimony, Fostering Quality Science at EPA, House Committee on Science, Space and Technology, Subcommittee on Energy & Environment, Nov. 30, 2011

Lead or Co-Lead Conference/Workshop Organizer:
 Workshop on Legal Analytics and Big Data, Center for Law, Science & Innovation, Dec. 8, 2016; Workshop on the Aging Brain, Nov. 18, 2016; 4th Annual Governance of Emerging Technologies Conference, May 24-26, 2016; From Top Science Journals to Your Bottom Line: How Emerging Science Intersects with Business, Law and Regulation to Create Risks and Opportunities, April 14-15, 2016; Regulatory and Reimbursement Obstacles and Drivers for Clinical Uptake of Molecular Diagnostics, April 8, 2016; Regulatory Pathways and Challenges for Anti-Aging Interventions: A Roundtable Discussion, Feb. 26, 2016; Pharmaceutical Pricing and Marketing: Markets versus Regulation, Jan. 15-16, 2016; Safeguarding Brains: The Law, Science & Ethics of the Concussive Injury Epidemic, Nov. 13, 2015; Workshop on Genetics & Medical Malpractice, Nov. 2, 2015; Third Annual Conference on Governance of Emerging Technologies: Law, Policy and Ethics, May 26-28, 2015; Roundtable Workshop on Identifying Biomarkers for Concussion Susceptibility and Effects, Jan. 16, 2015; Roundtable Workshop on Directed Genetic Modification Technologies: An Opportunity for Science-Based Regulatory Reform, Jan. 14, 2015; Second Annual Conference on Governance of Emerging Technologies: Law, Policy and Ethics, May 27-29, 2014; Personalized Medicine and Malpractice Liability, April 4, 2014; Innovation in Evidence Development for Molecular Diagnostics, April 3, 2014; First Annual Conference on Governance of Emerging Technologies: Law, Policy and Ethics, May 20-21, 2013; Roundtable on Whole Genome Sequencing: Regulatory and Reimbursement Issues, April 12, 2013; Technology and the Rising Cost of Health Care: A Paradigm Shift, March 2, 2013; Workshop on Personal Data Privacy, Feb. 1, 2013; Potential Solutions to Regulatory and Reimbursement Barriers for Molecular Diagnostics: Parallel Review and

Coverage with Evidence Development, April 4, 2012; Soft Law Governance Workshop, March 5, 2012; Workshop on Pacing Governance with Technology, March 6, 2012; Adolescent Brains and Juvenile Justice: New Insights from Neuroscience, Genetics and Addiction Science, May 12, 2011; Soft Law Oversight Mechanisms for Nanotechnology, March 22, 2011; The Biggest Issues for the Smallest Stuff: Regulation and Risk Management of Nanotechnology, March 21, 2011; Pacing Law & Ethics with Science & Technology, February 4, 2011; Clearing the Air: Clean Air, Climate Change and Sustainability in Arizona, Jan. 13, 2011; Personalized Medicine in the Clinic: Policy, Legal, and Ethical Implications, March 8-9, 2010; Hooked: Legal and Ethical Implications of Recent Advances in Alcohol and Drug Addiction Research, April 10, 2009; Pacing Law and Ethics with Science and Technology, Dec. 4-5, 2008; Workshop on Emerging Norms, Law and Ethics in Virtual Worlds, March 10, 2008; The Law and Ethics of Brain Scanning: The Next Big Thing Coming Soon to a Courtroom Near You?, April 13, 2007; Personalized Medicine & Molecular Diagnostics: Legal, Regulatory & Ethical Perspectives, March 2, 2007; Forbidding Science?, Jan. 12-13, 2006; Surveillance Technologies, Privacy and the Law, Feb. 17, 2006; Human Genetic Sampling: Ethical, Legal and Social Considerations, March 19, 2004.

World Economic Forum Advisory Board on the Global Risks Report, 2016-present
National Human Genome Research Institute (NHGRI), Genomics & Society Working Group, Member (2013-2016)
State Bar of Arizona, Executive Council of Environmental & Natural Resources Law Section, Elected Member 2004-2006
Society for Risk Analysis Section on Risk Science and the Law, Chair, 2005-2006; 2015-2016
Translational Genomics Research Institute (TGEN), Conflicts of Interest Committee, Member (2010-present)
ABA Section of Environment, Energy and Resources, Science and Technology Committee, Vice Chair, Committee Newsletters, 2012-2013
Book Series Editor, Springer International Library of Ethics, Law and Technology (2008-2016)
Associate Editor, *Dose-Response* Journal, 2003-2012
American Bar Association, Member
Environmental Law Institute, Member
American Association for the Advancement of Science, Member
Society for Risk Analysis, Member
New York Academy of Sciences, Member
Society of Toxicology, Member and Vice-President Elect, ELSI Section (2011-2012); Vice-President, ELSI Section (2012-13); President (2013-2014).
American College of Medical Genetics and Genomics, Member

Publications

Books

GARY E. MARCHANT & WENDELL WALLACH (eds.), EMERGING TECHNOLOGIES: ETHICS, LAW AND GOVERNANCE (London: Routledge, 2016)

NATIONAL RESEARCH COUNCIL, REDUCING THE FUEL CONSUMPTION AND GREENHOUSE GAS EMISSIONS OF MEDIUM- AND HEAVY-DUTY VEHICLES, PHASE II WASHINGTON, DC: NATIONAL ACADEMY PRESS, 2014 (member of authoring committee).

GARY E. MARCHANT, KENNETH W. ABBOTT & BRADEN ALLENBY (EDS.), INNOVATIVE GOVERNANCE MODELS FOR EMERGING TECHNOLOGIES. Cheltenham,UK: Edward Elgar, 2013.

NATIONAL RESEARCH COUNCIL, ASSESSMENT OF ADVANCED SOLID STATE LIGHTING (National Academy Press, 2013) (member of authoring committee)

GARY MARCHANT, BRADEN ALLENBY & JOSEPH HERKERT (EDS.), THE GROWING GAP BETWEEN EMERGING TECHNOLOGIES AND LEGAL-ETHICAL OVERSIGHT: THE PACING PROBLEM (Dordrecht, Germany: Springer, 2011).

CANCER RISK EVALUATION: METHODS AND TRENDS (EDITORS: GÜNTER OBE, BURKHARD JANDRIG, GARY MARCHANT, HOLGER SCHÜTZ, PETER M. WIEDEMANN) (Wiley, 2011).

GARY MARCHANT, GUY A. CARDINEAU & THOMAS P. REDICK, THWARTING CONSUMER CHOICE: THE CASE AGAINST MANDATORY LABELING FOR GENETICALLY MODIFIED FOODS (Washington, D.C.: AEI Press, 2010)

RICHARD SHARP, GARY MARCHANT & JAMIE GRODSKY (EDS.), GENOMICS AND ENVIRONMENTAL REGULATION: SCIENCE, ETHICS & LAW (Baltimore: John Hopkins Press, 2008).

National Research Council, APPLICATIONS OF TOXICOGENOMIC TECHNOLOGIES TO PREDICTIVE TOXICOLOGY AND RISK ASSESSMENT (National Academy Press, 2007) (member of authoring committee)

National Research Council, STATE AND FEDERAL STANDARDS FOR MOBILE-SOURCE EMISSIONS (National Academy Press, 2006) (member of authoring committee)

Gary E. Marchant and Kenneth L. Mossman, ARBITRARY & CAPRICIOUS: THE PRECAUTIONARY PRINCIPLE IN THE EUROPEAN UNION COURTS (Washington, D.C.: AEI Press, 2004).

George M. Gray, William G. Jeffrey and Gary E. Marchant, RISK ASSESSMENT AND RISK MANAGEMENT OF NON-FERROUS METALS: REALIZING THE BENEFITS AND MANAGING THE RISKS (ICME, 1997).

Book Chapters

Gary E. Marchant and Wendell Wallach, *Introduction*, in: Gary E. Marchant & Wendell Wallach (eds.), EMERGING TECHNOLOGIES: ETHICS, LAW AND GOVERNANCE 1-12 (London: Routledge, 2016)

Gary E. Marchant et al., *International Governance of Autonomous Military Robots*, in: BRADEN R. ALLENBY, THE APPLIED ETHICS OF EMERGING MILITARY AND SECURITY TECHNOLOGIES 207-250 (Ashgate, 2015).

Gary Marchant and Lyn Gulley, *National Security Neuroscience and the Reverse Dual-Use Dilemma*, in: BRADEN R. ALLENBY, *THE APPLIED ETHICS OF EMERGING MILITARY AND SECURITY TECHNOLOGIES* 477-480 (Ashgate, 2015).

Gary E. Marchant et al., *International Governance of Autonomous Military Robots*, in KIMON P. VALAVANIS AND GEORGE J. VACHTSEVANOS (EDS.), *HANDBOOK OF UNMANNED AERIAL VEHICLES* 2879-2910 (Springer, 2015)

Gary E. Marchant and Lyn M. Gaudet, *Neuroscience, National Security, and the Reverse Dual-Use Dilemma*, in JAMES GIORDANO (ED.), *NEUROTECHNOLOGY IN NATIONAL SECURITY AND DEFENSE* (Boca Raton, FL: CRC Press, 2015)

Gary E. Marchant, *Science, Technology, and Law*, in *ENCYCLOPEDIA OF ETHICS, SCIENCE, TECHNOLOGY, AND ENGINEERING* (2d ed. 2014), at 39-46.

Gary E. Marchant, *Regulatory Impact Analysis in the United States: "Consensus" or Stalemate?*, in KOREA LEGISLATION RESEARCH INSTITUTE, *LEGISLATIVE IMPACT ASSESSMENT FOR REGULATORY REFORM: ACHIEVEMENTS AND PROSPECTS* 39-62 (Bobmunsu: Paju Bookcity, 2013)

Gary E. Marchant, *Conclusion: Emerging Governance for Emergent Technologies*, in: GARY E. MARCHANT, KENNETH W. ABBOTT & BRADEN ALLENBY (EDS.), *INNOVATIVE GOVERNANCE MODELS FOR EMERGING TECHNOLOGIES* 254-258 (Cheltenham,UK: Edward Elgar, 2013)

Rachel A. Lindor & Gary E. Marchant, *Innovative Governance Schemes for Molecular Diagnostics*, in GARY E. MARCHANT, KENNETH W. ABBOTT & BRADEN ALLENBY (EDS.), *INNOVATIVE GOVERNANCE MODELS FOR EMERGING TECHNOLOGIES* 198-213 Cheltenham,UK: Edward Elgar, 2013.

Gary E. Marchant & Wendell Wallach, *Governing the Governance of Emerging Technologies*, in GARY E. MARCHANT, KENNETH W. ABBOTT & BRADEN ALLENBY (EDS.), *INNOVATIVE GOVERNANCE MODELS FOR EMERGING TECHNOLOGIES* 136-152 Cheltenham,UK: Edward Elgar, 2013.

Gary E. Marchant, *Regulatory Toxicology*, in Casarett & Doull's *Toxicology: The Basic Science of Poisons* (Curtis D. Klaassen, ed., 8th ed.) (New York: McGraw Hill) pp. 1415-1425.

Gary E. Marchant, *Technology Mandates and Socio-Behavioral Life Cycle Assessment*, in *EMERGING TECHNOLOGIES: SOCIO-BEHAVIORAL LIFE CYCLE APPROACHES*, eds. Nora Savage, Michael Gorman & Anita Street, pp 41-76. Singapore: Pan Stanford Publishing, 2013.

Gary E. Marchant, *Risk Over-Simplified: The Enduring and Unfortunate Legacy of Silent Spring*, in, *SILENT SPRING AT 50: THE FALSE CRISES OF RACHEL CARSON* (ED. ROGER MEINERS, PIERRE DESROCHERS AND ANDREW MORRIS) 271-288 Washington, D.C.: Cato Institute, 2012.

Gary E. Marchant, *A Return to Expertise?: A Proposal for an Institute of Scientific Assessments*, in *INSTITUTIONS AND INCENTIVES IN REGULATORY SCIENCE* (ED. JASON SCOTT JOHNSON) 199-213 Lanham: Lexington Books, 2012.

Gary E. Marchant, *Regulatory Toxicology*, in CASARETT & DOULL'S TOXICOLOGY: THE BASIC SCIENCE OF POISONS (ed. Curtis D. Klaassen) (7th ed., forthcoming 2012)

Gary E. Marchant and Alexandra Lopez, *The (In)Feasibility of Regulating Enhancement*, in BUILDING BETTER HUMANS? REFOCUSING THE DEBATE ON TRANSHUMANISM 255-269 (ed. Hava Tirosch-Samuels and Kenneth L. Mossman). Frankfurt: Peter Lang GmbH, 2012.

Gary E. Marchant, Kenneth A. Abbott, Douglas J. Sylvester & Lyn M. Gulley, *International Harmonization of Nanotechnology Oversight*, in THE NANOTECHNOLOGY CHALLENGE: CREATING LAW AND LEGAL INSTITUTIONS FOR UNCERTAIN RISKS 179-202 (ed. Dana, David A.). Cambridge: Cambridge University Press, 2012.

Gary E. Marchant, *The Precautionary Principle and Radio Frequency Exposure from Mobile Phones*, in CANCER RISK EVALUATION: METHODS AND TRENDS (EDITORS: GÜNTER OBE, BURKHARD JANDRIG, GARY MARCHANT, HOLGER SCHÜTZ, PETER M. WIEDEMANN) 329-339 (Wiley, 2011).

Gary E. Marchant, *The Growing Gap Between Emerging Technologies and the Law*, in GARY MARCHANT, BRADEN ALLENBY & JOSEPH HERKERT (EDS.), THE GROWING GAP BETWEEN EMERGING TECHNOLOGIES AND LEGAL-ETHICAL OVERSIGHT: THE PACING PROBLEM 19-33 (Springer, 2011).

Ruth Carter & Gary E. Marchant, *Principles-Based Regulation and Emerging Technology*, in GARY MARCHANT, BRADEN ALLENBY & JOSEPH HERKERT (EDS.), THE GROWING GAP BETWEEN EMERGING TECHNOLOGIES AND LEGAL-ETHICAL OVERSIGHT: THE PACING PROBLEM 157-166 (Springer, 2011).

Lyn Gaudet and Gary E. Marchant, *Administrative Law Strategies*, in GARY MARCHANT, BRADEN ALLENBY & JOSEPH HERKERT (EDS.), THE GROWING GAP BETWEEN EMERGING TECHNOLOGIES AND LEGAL-ETHICAL OVERSIGHT: THE PACING PROBLEM 167-182 (Springer, 2011).

Kathleen Waugh and Gary E. Marchant, *Collaborative Voluntary Programs: Lessons from Environmental Law*, in GARY MARCHANT, BRADEN ALLENBY & JOSEPH HERKERT (EDS.), THE GROWING GAP BETWEEN EMERGING TECHNOLOGIES AND LEGAL-ETHICAL OVERSIGHT: THE PACING PROBLEM 183-196 (Springer, 2011).

Gary E. Marchant, *Conclusion: Addressing the Pacing Problem*, in GARY MARCHANT, BRADEN ALLENBY & JOSEPH HERKERT (EDS.), THE GROWING GAP BETWEEN EMERGING TECHNOLOGIES AND LEGAL-ETHICAL OVERSIGHT: THE PACING PROBLEM (Springer, 2011).

Gary E. Marchant, *Law*, chapter in ENCYCLOPEDIA OF NANOSCIENCE AND SOCIETY, Sage Publications, 2010.

Kenneth W. Abbott, Douglas J. Sylvester and Gary E. Marchant, *Transnational Regulation: Reality or Romanticism?*, in: INTERNATIONAL HANDBOOK ON REGULATING NANOTECHNOLOGIES (eds. Graeme Hodge, Diana Bowman and Andrew Maynard). Cheltenham, U.K: Edward Elgar Publishing, 2011: 525-544.

Gary E. Marchant, *Science Policy and Cancer Risk Assessment*, in: CANCER RISK ASSESSMENT: CHEMICAL CARCINOGENESIS, HAZARD EVALUATION, AND RISK QUANTIFICATION (eds. Ching-Hung Hsu and Todd Stedeford), pp. 23-46, Hoboken, N.J.: John Wiley & Sons, 2010).

Gary E. Marchant, *Toxicogenomics and Environmental Regulation*, in: GENOMICS AND ENVIRONMENTAL REGULATION: SCIENCE, ETHICS & LAW (Baltimore: John Hopkins Press, 2008).

Gary E. Marchant, *Setting Air Quality Standards in the Post-Genomic Era*, in: GENOMICS AND ENVIRONMENTAL REGULATION: SCIENCE, ETHICS & LAW (Baltimore: John Hopkins Press, 2008).

Andrew Askland and Gary E. Marchant, *Genetic Data and Toxic Torts: Intimations of Statistical Reductionism*, in: GENOMICS AND ENVIRONMENTAL REGULATION: SCIENCE, ETHICS & LAW (Baltimore: John Hopkins Press, 2008).

Gary E. Marchant and Jamie A. Grodsky, *Genomics and Environmental Justice: Some Preliminary Thoughts*, in: GENOMICS AND ENVIRONMENTAL REGULATION: SCIENCE, ETHICS & LAW (Baltimore: John Hopkins Press, 2008).

Gary Marchant, Douglas Sylvester and Kenneth W. Abbott, *Nanotechnology Regulation: The United States Approach*, in: New Global Frontiers of Regulation: The Age of Nanotechnology pp. 189-211 (eds. G. Hodge, D. Bowman & K. Ludlow). Cheltenham, U.K: Edward Elgar Publishing, 2007).

Gary E. Marchant. 2007. Genomics, Ethics, and Intellectual Property. In Intellectual Property Management in Health and Agricultural Innovation: A Handbook of Best Practices (eds. A Krattiger, RT Mahoney, L Nelsen, et al.). MIHR: Oxford, U.K., and PIPRA: Davis, U.S.A

Gary E. Marchant, *Applications of Biomarkers in Forensics and Toxic Tort Proceedings*, in Anthony DeCaprio (ed.), TOXICOLOGICAL BIOMARKERS, at 273-288 (New York: Taylor & Francis, 2006).

Gary E. Marchant, *Law, Science & Technology*, in: ENCYCLOPEDIA OF SCIENCE, TECHNOLOGY, AND ETHICS (ed. Carl Mitcham). Detroit: Macmillan Reference, 2005.

Gary E. Marchant, *Genetics and the Future of Environmental Policy*, in ENVIRONMENTALISM AND THE TECHNOLOGIES OF TOMORROW (eds. Robert Olsen & David Rejeski) (Washington, D.C.: Island Press 2004).

Gary E. Marchant, *Environmental Legal Liabilities: Prevention and Control*, in ENVIRONMENTAL STRATEGIES HANDBOOK (McGraw Hill, 1994).

Susan Proctor, Gary Marchant & Michael Baram, *Evaluation of Risk Assessment as Evidence for Risk Decision-Making*, in RISK ANALYSIS: PROSPECTS AND OPPORTUNITIES at 655 (ed. C. Zervos, 1991).

Gary Marchant, *Genetic Disease and the Right to Procreate*, in SCIENCE IN SOCIETY: ITS FREEDOM AND REGULATION (1982), pp. 123-137.

Articles in Academic Journals

- Gary E. Marchant and Karen Bradshaw, *The Short-Term Temptations and Long-Term Risks of Environmental Catastrophism*, 56 JURIMETRICS 345-366 (2016)
- Lyn M. Gaudet and Gary E. Marchant, *Under the Radar: Neuroimaging Evidence in the Criminal Courtroom*, 64 DRAKE L. REV. 577-661 (2016)
- Gary E. Marchant & Yvonne A. Stevens, *Resilience in Environmental Law: Existing Measures*, 31(3) Natural Resources & Environment (ABA) 8-11 (Winter 2017)
- Gary E. Marchant, *Technology Innovation Policy at the Local Level: The United States Experience*, 16(2) KOREAN LOCAL GOVERNMENT LAW JOURNAL 19-29 (2016)
- Gary E. Marchant, Kathryn Scheckel & Doug Campos-Outcalt, *Contrasting Medical and Legal Standards of Evidence: A Precision Case Study*, 44 J. LAW, MED. & ETHICS 194-204 (2016)
- Gary E. Marchant, Yvonne A. Stevens, Braden R. Allenby, and James M. Hennessy, *Governing Emerging Technologies: The First 30 Years*, 56 JURIMETRICS 113-116 (2016).
- Gary E. Marchant, *Genetic Data in Toxic Tort Litigation*, THE BRIEF (ABA), Winter 2016, 22-31.
- Gary E. Marchant & Yvonne A. Stevens, *A New Window of Opportunity to Reject Process-Based Biotechnology Regulation*, 6(4) GM Crops & Food 233-242 (2016)
- Amalia M. Issa, Gary E. Marchant & Douglas Campos-Outcalt, *Big Data in the Era of Precision Medicine: Big Promise of Big Liability?* 13(4) Personalized Medicine 283-285 (2016)
- Betsy J. Grey & Gary E. Marchant, *Biomarkers, Concussions, and the Duty of Care*, 2015 MICH. ST. L. REV. 1911-1981 (2015)
- Richard J. Caselli, Gary E. Marchant, Katherien S. Hunt, et al., *Predictive Testing for Alzheimer's Disease: Suicidal Ideation in Healthy Participants*, 29(3) ALZHEIMER DIS ASSOC DISORD 252-254 (2015)
- Gary E. Marchant & Wendell Wallach, *Coordinating Technology Governance*, ISSUES IN SCI. & TECH., Summer 2015, at 430-450.
- Marc A. Saner and Gary E. Marchant, *Proactive International Regulatory Cooperation for Governance of Emerging Technologies*, 55 JURIMETRICS 147-178 (2015)
- Gary E. Marchant, *Governance of Emerging Technologies Symposium: A Forward*, 55 JURIMETRICS 145-146 (2015)
- Amalia M Issa, Vivek S Chaudhari and Gary E Marchant, *The Value of Multigene Predictors of Clinical Outcome in Breast Cancer: An Analysis of the Evidence*, 15(2) EXPERT REV. MOL. DIAGN. 277-286 (2015)
- Gary E. Marchant, *Complexity and Anticipatory Socio-Behavioral Assessment of Government*

Attempts to Induce Clean Technologies, 61 UCLA L. REV. 1858-1894 (2014)

Richard J. Caselli, Jessica Langbaum, Gary E. Marchant, et al., *Public Perceptions of Presymptomatic Testing for Alzheimer Disease*, 89 MAYO CLIN. PROC. 1389-1396 (2014)

Gregory N. Mandel & Gary E. Marchant, *The Living Regulatory Challenges of Synthetic Biology*, 100 IOWA L. REV. 155-200 (2014)

Gary E. Marchant, Yvonne A. Stevens and James M. Hennessy, *Technology, Unemployment & Policy Options: Navigating the Transition to a Better World*, 24(1) JOURNAL OF EVOLUTION AND TECHNOLOGY 26-44 (2014)

Gary E. Marchant, *Indoor Air Quality, Risk and Uncertainty: The “New” Risks of Vapor Intrusion*, 46 ARIZ. ST. L.J. 565-576 (2014).

Gary E. Marchant, *“Soft Law” Mechanisms for Nanotechnology: Liability and Insurance Drivers*, 17 J. RISK RESEARCH 709-719 (2014).

Gary E. Marchant & Yvonne A. Stevens, *The United States Supreme Court Resolves The Gene Patenting Controversy (Or Did It?)*, 1 ZEITSCHRIFT FUER INNOVATIONS- UND TECHNIKRECHT [INTER] 174 (2013)

Gary Marchant, *The Case Against Mandatory Labeling of GM Food*, 28(2) NATURAL RES. & ENV'T 11-13 (Fall 2013).

Gary E. Marchant and Guy A. Cardineau, *The Labeling Debate in the United States*, 4 GM CROPS AND FOOD 126-134 (2013)

Gary E. Marchant and Yvonne A. Stevens, *Involuntary Exposures to Love-Enhancing or Anti-Love Agents*, 13(11) AM. J. BIOETHICS 26-27 (2013)

Gary E. Marchant & Rachel A. Lindor, *Personalized Medicine and Genetic Malpractice*, 15 GENETICS IN MEDICINE 921-22 (2013)

Gary E. Marchant and Kenneth W. Abbott, *International Harmonization of Nanotechnology Governance Through “Soft Law” Approaches*, 9 NANOTECHNOLOGY LAW & BUSINESS 393-410 (2013).

Gary E. Marchant, *Nanotechnology Regulation: Potential and Progress for International Coordination*, 3 KOREAN J. LAW & LEGISLATION 29-72 (2013).

Rachel A. Lindor, Scott J. Alloco, Lee Cheatham Gary E. Marchant, *Molecular Diagnostics: Regulatory and Reimbursement Innovation*, 5 Nos. 175-178 SCI. TRANSLATIONAL MED. 19-22 (March 2013).

Gary E. Marchant and Rachel A. Lindor, *The Coming Collision Between Autonomous Vehicles and the Liability System*, 52 SANTA CLARA L. REV. 1321-1340 (2012).

Gary E. Marchant et al., *The Biggest Issues for the Smallest Stuff: Nanotechnology Regulation and Risk Management*, 52(3) JURIMETRICS, THE JOURNAL OF LAW, SCIENCE, AND TECHNOLOGY 243-277 (2012).

Kenneth W. Abbott, Gary E. Marchant, and Elizabeth A. Corley, *Soft Law Oversight Mechanisms for Nanotechnology*, 52(3) JURIMETRICS, THE JOURNAL OF LAW, SCIENCE, AND TECHNOLOGY 279-312 (2012).

Gary E. Marchant and Rachel A. Lindor, *Prudent Precaution in Clinical Trials of Nanomedicines*, 40 J. LAW MED. ETHICS 831-840 (2012).

Leili Fatehi, ... Gary E. Marchant et al., *Recommendations for Nanomedicine Human Subjects Research Oversight: An Evolutionary Approach for an Emerging Field*, 40 J. LAW MED. ETHICS 716-750 (2012).

Brad Biddle, ... Gary Marchant, et al., *The Expanding Role and Importance of Standards in the Information Technology and Communications Industry*, 52(1) JURIMETRICS, THE JOURNAL OF LAW, SCIENCE, AND TECHNOLOGY 177-208 (2012).

Gary E. Marchant, *Genetic Susceptibilities: The Future Driver of Ambient Air Quality Standards?*, 43 ARIZ. ST. L.J. 791-803 (2011).

Gary E. Marchant, Rachel A. Lindor & Doug E. Campos-Outcalt, *Physician Liability: The Next Big Thing for Personalized Medicine?*, 8 PERSONALIZED MEDICINE 457-467 (2011).

Gary E. Marchant, Braden Allenby, Ronald Arkin, Edward T. Barrett, Jason Borenstein, Lyn M. Gaudet, Orde Kittrie, Patrick Lin, George R. Lucas, Richard O'Meara, Jared Silberman, *International Governance of Autonomous Military Robots*, 12 COLUMBIA SCIENCE & TECHNOLOGY LAW REV. 272-315 (2011).

Gary E. Marchant & Andrew White, *An International Nanoscience Advisory Board to Improve and Harmonize Nanotechnology Oversight*, 13 J. NANOPARTICLE RESEARCH 1489-1498 (2011).

Gary Marchant and Angus Crane, *Problems and Benefits with Voluntary Exposure Registries*, 53 J. OCCUPATIONAL & ENVIRONMENTAL MANAGEMENT S52-S56 (2011).

Gary E. Marchant, Douglas J. Sylvester & Kenneth W. Abbott, *A New Soft Law Approach to Nanotechnology Oversight: A Voluntary Product Certification Scheme*, 28 UCLA J. ENVTL. LAW 123-152 (2010)

Kenneth W. Abbott and Gary E. Marchant, *Institutionalizing Sustainability Across the Federal Government*, 2 SUSTAINABILITY 1924-1942 (2010).

Gary Marchant and Lyn Gulley, *National Security Neuroscience and the Reverse Dual-Use Dilemma*, AM. J. BIOETHICS NEUROSCIENCE 1:20-22 (2010)

Gary Marchant, Ann Meyer, Megan Scanlon, *Integrating Social and Ethical Concerns Into Regulatory Decision-Making for Emerging Technologies*, 11 MINNESOTA J. LAW SCIENCE & TECHNOLOGY 345-363 (2010)

Gary E. Marchant, Douglas J. Sylvester, Kenneth W. Abbott, Tara Lynn Danforth, *International Harmonization of Regulation of Nanomedicine*, STUDIES IN ETHICS, LAW & TECHNOLOGY, 3(3): Article 6 (2009).

Gary E. Marchant. *Small is Beautiful: What Can Nanotechnology Do for Personalized Medicine?* CURRENT PHARMACOGENOMICS AND PERSONALIZED MEDICINE 7:231-237 (2009).

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Overview of Legal Analytics, Workshop on Legal Analytics and Big Data, Center for Law, Science & Innovation, Phoenix, AZ, Dec. 8, 2016

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The Science and Regulation of Anti-Aging Interventions, Wise Guys Luncheon Seminar Series, Scottsdale, AZ, Nov. 11, 2016

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International Harmonization of Gene Editing Governance, Holtz Center Lecture Series, University of Wisconsin, Madison, WI, Oct. 6, 2016

CRISPR Editing Applications in Human Medicine, OECD Workshop on Gene Editing in an International Context: Scientific, Economic and Social Issues across Sectors, Ottawa, Canada, Sept. 29, 2016

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Standards for Regulation of Innovative Technologies, Workshop on Advancing Science for Policy Through Interdisciplinary Research in Regulation, Berkeley School of Public Health, Berkeley, CA, Sept. 15, 2016

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Liability: Carrot or Stick for Clinical Use of Molecular Diagnostics?, Regulatory and Reimbursement Obstacles and Drivers for Clinical Uptake of Molecular Diagnostics, Tempe, AZ, April 8, 2016

Ethical and Legal Implications of Alzheimer's Genetic Testing, ASU School of Life Sciences Seminar Series, Tempe, AZ, Feb. 29, 2016

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Scottsdale, AZ, Feb. 26, 2106

Epigenetics in the Courtroom, International Association of Defense Council 2016 Midyear Meeting, Pebble Beach, CA, Feb. 21, 2016

Regulatory & Technology Innovation Policy at the Local Level – The U.S. Experience, Conference on Legal Issues and Political Solution for Establishment of Local Autonomy and Regulatory Reform, Korean Regulatory Law Society, Ulsan, South Korea, Feb. 19, 2016

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Who Wants Your Genetic Info? And Why?, Arizonians for National Security, Phoenix, AZ, Jan. 6, 2016

Technology Changes, National Academy of Sciences Innovation Policy Forum: National and International Intellectual Property Practices and Policies: Assessing the Impact of Political, Economic and Technological Pressures, Washington, D.C., Dec. 11, 2015

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Who Wants Your Genetic Information and Why?, 2015 Annual Dr. Leroy E. Burney Lecture, John Hopkins Bloomberg School of Public Health, Baltimore, MD, Nov. 16, 2015

Genetic Malpractice, Keynote Presentation, Oklahoma Health Law Layers Luncheon, Oklahoma Hospital Association Annual Convention, Oklahoma City, OK, Nov. 4, 2015

Genetics, Doctors & Courts – Risk and Empirical Assessment, Workshop on Genetics & medical Malpractice, Scottsdale, AZ, Nov. 2, 2015

Soft Law Approaches to Cybersecurity, Center for Law & Global Affairs Lunch Discussion Series, Tempe, AZ, Oct. 29, 2015

Drones: The Legal and Regulatory Challenges on the Horizon, Keynote Presentation, Navigant/ABA Law & Innovation Speaker Series, Chicago, IL, Oct. 28, 2015

Probabilistic Risk Assessment: The Shift to More Realistic Risk Decision-Making, Keynote Presentation, Silicon Flatirons Conference on Risk Assessment in Spectrum Policy, University of Colorado Law School, Boulder, CO, Oct. 23, 2015

Head Transplants, Desert Foothills Library Public Lecture Series, Cave Creek, AZ, Oct. 22, 2015

Future Technology Disruptions to Courts and the Law, 2015 Arizona Courts Leadership Conference, Flagstaff, AZ, Oct. 21, 2015

Emerging Science: When Does It Become Accepted in the Courts?, International Society of Exposure Science, 25th Annual Meeting, Henderson, NV, October 20, 2015

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The Ethics of Anti-Aging Research, Lincoln Center Ethics@Noon Lecture, Tempe, AZ, Sept. 23, 2015

Who Wants Your Genetic Information and Why?, Phoenix Rotary Club, Phoenix, AZ, Sept. 11, 2015

Emerging Technologies and the Law, Indiana Annual Judicial Conference, Indianapolis, IN, Sept. 9, 2015

Technological Unemployment (with Yvonne Stevens), Spirit of the Senses, Scottsdale, AZ, Sept. 1, 2015

The Road Ahead: Smooth Pavement or Full of Potholes – The Regulatory, Privacy, Cybersecurity, and Product Liability Potential of Automated Vehicles, Federation of Defense and Corporate Council Annual Meeting, Banff, Canada, July 28, 2015

Genomic Malpractice, Precision Medicine 2015: Patient Driven, Harvard Medical School, Boston, MA, June 24, 2015

Ethical, Social, Policy, and Legal Implications Impacting the Adoption of Genomics in Healthcare, Chair and Panelist, Festival of Genomics, Boston 2015, Boston, MA, June 23, 2015

Genomic Malpractice, ASLME Health Law Professors Annual Conference, Saint Louis, MO, June 6, 2015

Litigation of the Future: What Trial Lawyers Need to Know, ABA Section of Litigation 2015 Spring Leadership Meeting, Asheville, NC June 5, 2015

Head Transplants, Spirit of the Senses: The Salons, Scottsdale, AZ, June 2, 2015

Biomarkers of Concussive Injury: Policy, Legal and Ethical Implications, Brain Matters! 5 Conference, Scottsdale, AZ, May 28, 2015

Overcoming Regulatory Impediments to Anti-Aging Technologies, Third Annual Conference on Governance of Emerging Technologies, Law & Ethics, Scottsdale, AZ, May 26, 2015

The Biology of Romance: Genes, Pheromones & Oxytocin, Third Annual Conference on Governance of Emerging Technologies, Law & Ethics, Scottsdale, AZ, May 26, 2015

Genomic Malpractice, PIAA Medical Liability Conference, Las Vegas, NV, May 14, 2015

Law and Innovation: 3D Printers, Keynote Presentation, 3D Printing: Challenging Notions of Ownership, Liability and Commerce, Navigant and ABA Section of Litigation Law & Innovation Speaker Series, Chicago, IL, April 29, 2015

Molecular Diagnostics: The Shift to Complexity, Workshop Chair and Discussion Leader, Scottsdale, AZ, April 17, 2015

Genetics and Toxic Torts, ABA Tort Trial & Insurance Practice Section's 2th Annual Spring CLE Meeting of the Toxic Torts and Environmental Law Committee, Phoenix, AZ, April 10, 2015

Smart Technologies, Big Data and Environmental Protection, George Washington University School of Law, J.B. and Maurice C. Shapiro Symposium, Advanced Monitoring, Remote Sensing, and Data Gathering, Analysis and Disclosure in Compliance and Enforcement, Washington, D.C., March 26, 2015

How Will the Digital Biology Revolution Transform Conflict?, New America/ASU Future of War First Annual Conference, Washington, D.C., Feb. 24, 2015

Legal Implications for Identifying Biomarkers for Concussion Susceptibility, Roundtable Workshop on Identifying Biomarkers for Concussion Susceptibility and Effects, Scottsdale, AZ, Jan. 16, 2015

Policy and Law Session Discussion Chair, Roundtable Workshop on Directed Genetic Modification Technologies: An Opportunity for Science-Based Regulatory Reform, Scottsdale, AZ, Jan. 14, 2015

How Does Combining DNA and Nano Affect Oversight and Public Accountability Challenges?, DNA Nanotechnology ELSI Working Group, University of Minnesota, Minneapolis, MN, Dec. 11, 2014

Genetic Biomarkers of Risk in Toxic Tort Litigation (with Kirk Hartley), Society for Risk Analysis Annual Meeting 2014, Denver, CO, Dec. 8, 2014

Nanotechnology: From Harmful to Helpful?, Society for Risk Analysis Annual Meeting 2014, Denver, CO, Dec. 8, 2014

Digital Currencies: A Primer, The Emerging World of Digital Currency, ABA Section of Litigation and Navigant Law & Innovation Speaker Series, Chicago, IL, Nov. 19, 2014

Emerging Technologies and the Courts, Series Keynote Presentation, ABA Section of Litigation and Navigant Law & Innovation Speaker Series, Chicago, IL, Nov. 19, 2014

Social Media and Privacy, 5th Annual Lincoln Ethics Symposium: Should We Care About Privacy?, Tempe, AZ, Nov. 17, 2014

Pacing Law with Emerging Technologies: The Example of Nanotechnology, Duke University Center for Environmental Implications of Nanotechnology Seminar, Raleigh, NC, Oct. 31, 2014

Predictive Toxicology, Working Group Moderator, Advancing Alternatives Analysis Working Conference, UCLA Sustainable Technology and Policy Program, Los Angeles, CA, Oct. 9-10, 2014

Rapid Technology Change and the Future of Law, University of Colorado Faculty Retreat, Boulder, CO, August 22, 2014

Governing Technology in a Period of Rapid Technological Change, Gordon Research Conference on Science & Technology Policy, Waterville Valley, NH, Aug. 12, 2014

Precaution about the Precautionary Principle, Council of Producers & Distributors of Agrotechnology 2014 Summer Conference and Annual Meeting, Santa Fe, NM, July 23, 2014

Epigenetics & Criminal Law, Mental Health Seminar: A Program for the Defense, The Center for American and International Law, Plano, TX, July 18, 2014

Technology, Relationships, and Law (with Yvonne Stevens), National Association of Appellate Court Attorneys (NAACA) 2014 Annual Conference, Savannah, GA, July 11, 2014

Personalized Medicine in the Era of Big Data: How Will This Affect You? (Panel Discussion), International Society for Pharmacogenomics and Outcomes Research (ISPOR) 19th Annual International Meeting, Montreal, Canada, June 4, 2014.

Emerging Technologies, Complexity and the Regulatory Mismatch, 2nd Annual Conference on the Governance of Emerging Technologies, Scottsdale, AZ, May 29, 2014

Emerging Technologies and the Future of Law, Supreme Court of Appeals of West Virginia Circuit Judges' Education Conference, Huntington, WV, May 23, 2014.

Genetic Information as Protected Health Information (Panel Discussion), Multiple Myeloma Research Foundation Annual Legal Roundtable, Phoenix, AZ, May 15, 2014

Robots, Unemployment, and Basic Income, London Futurists Hangout On Air, May 11, 2014

How Technology is Changing Love, Relationships and Marriage, And What (If Anything) We should Be Doing About It (with Yvonne Stevens), Valley Engineering, Science and Technology Club, Sun City West, AZ, May 2, 2014

Law and Science: A Forced Marriage, Forensic Expert Witness Annual Conference & Symposium 2014, Tempe, AZ, April 25, 2014

Keynote Presentation: How Can We Prepare for the Technological Disruption of Jobs and Should We?, Rethinking Work Event, The Institute for the Future, Palo Alto, CA, April 23, 2014

Bits, Bots, and Bytes in the Courtroom – New Technologies of Evidence Coming Soon to a Courtroom Near You, ABA Section of Litigation Annual Conference, Scottsdale, AZ, April 10, 2014

Medical vs Legal Evidentiary Standards: Warfarin Case Study, Workshop on Personalized Medicine and Malpractice Liability, Scottsdale, AZ, April 4, 2014.

Is Liability in the Genes? Toxic Torts, Med Mal and Pharma, State Bar of New Mexico Judicial Conference on Skeptically Determining the Limits of Expert Testimony, Albuquerque, NM, March 28, 2014

Next Generation Sequencing and Genetic Liability, Society of Toxicology 53rd Annual Meeting, Phoenix, AZ, March 26, 2014

Evidentiary Challenges with Genomic Data in Toxic Tort Litigation, Society of Toxicology 53rd Annual Meeting, Phoenix, AZ, March 24, 2014

The Science of Toxicology: Some Basics, Society of Toxicology, All About Poisons – Toxicology Revealed, Phoenix, AZ, March 22, 2014

The Next Wild Frontier: Virtual Worlds, Virtual Currencies & Virtual Law, Sandra Day O'Connor Inn of Court, Phoenix, AZ, March 18, 2014

Technology and the Law – Perils in Keeping Up!, U.S. District of Arizona Conference, Phoenix, AZ, March 7, 2014

Smart Cities and Public Health, Fordham Law School Conference on Smart Law for Smart Cities: Regulation, Technology, and the Future of Cities, New York, NY, Feb. 27, 2014

Personalized Medicine Bootcamp, Part I: The Basics of Personalized Medicine and Its Applications, American Health Lawyers Association Webinar, Feb. 24, 2104.

Meet Your New (Virtual) Valentine: How Technology is Transforming Love, Relationships and Marriage (with Yvonne Stevens), Rio Verde-ASU Lecture Series, Rio Verde, AZ, Feb. 11, 2014

International Harmonization for PBTs, Conference on PBTs: Science and Policy, Indiana School of Public and Environmental Affairs, Washington D.C., Jan. 17, 2014

Managing Pharmacogenomic Risks Through Litigation, Society for Risk Analysis Annual Meeting, Baltimore, MD, Dec. 10, 2013

Emerging Technologies and the Future of Law, Indiana Statewide Annual Bench-Bar Symposium, Indianapolis, IN, Dec. 4, 2013

Emerging Technology and the Future of Law, North Dakota Judicial Conference, Bismarck, ND, Nov. 25, 2013

Steroids and Drug Testing: Panel Discussion, ASU Fourth Annual Conference on Sports and Entertainment Law, Tempe, AZ, Nov. 9, 2013.

Liability and Insurance Drivers of Soft Law Programs for Nano?, Second Sustainable Nanotechnology Organization Conference, Santa Barbara, CA, Nov. 4, 2013

Technology Forcing Mandate, UCLA Law Review Symposium: Toward a Clean Energy Future: Powering Innovation Through Law, Los Angeles, CA, Nov. 1, 2013

New Surveillance Technologies, Conference of Midwest Supreme Court Justices and Administrators, Madison, WI, Oct. 17, 2013

Emerging Technologies and the Future of Law, Engelman Berger PC Annual Retreat, Litchfield, AZ, Sept. 28, 2013.

Emerging Technologies and the Future of Law, 2013 Ohio Judicial Conference, Columbus, OH, Sept. 13, 2013

Impact of the Precautionary Principle on Feeding Current and Future Generations, UC Davis/EPA Pesticide Regulatory Education Program, Grand Rapids, MI, Aug. 15, 2013.

Genes and Liability: The Next Wave of Genetic Information in the Courtroom, National Association of Appellate Court Attorneys Annual Conference, Santa Fe, NM, July 18, 2013

My Amygdala Made Me Do It, National Association of Appellate Court Attorneys Annual Conference, Santa Fe, NM, July 17, 2013

Law Enforcement Searches of Social Media Sites, 2013 Ninth Circuit Federal Judicial Center Mid-Summer Workshop, San Diego, CA, July 16, 2013

Technology and Romantic Relationships, Spirit of the Senses Salon, Paradise Valley, AZ, July 13, 2013

Emerging Technologies: Law and Ethics, Pima County Superior Court, Tucson, AZ, June 27, 2013.

Privacy in the Digital Age, 2013 Arizona Judicial Conference, Scottsdale, AZ, June 26, 2013

Impact of the Precautionary Principle on Feeding Current and Future Generations, U.S. Senate Briefing, Washington, D.C., June 24, 2013

Goldilocks and Risk Management, National Coalition for Food and Agriculture Research 'Lunch 'n Learn Seminar', U.S. House of Representatives, Washington, D.C., June 24, 2013

Impact of the Precautionary Principle on Feeding Current and Future Generations, George Washington University/Society for Risk Analysis, Washington, D.C., June 24, 2013

Liability: The Next Big Thing in Personalized Medicine, MDx Next: Gaining Ground in Molecular Testing and Genomic Medicine, G2 Intelligence, Las Vegas, NV, June 14, 2013

Emerging Technologies Law and Ethics, New Mexico Judicial Enclave, Albuquerque, NM, June 7, 2013

Governing the Governance of Emerging Technologies (with Wendell Wallach), First Annual Conference on Governance of Emerging Technologies: Law, Policy and Ethics, Chandler, AZ, May 21, 2013

Liability Drivers and Impediments to Individualized Medicine, First Annual Conference on Governance of Emerging Technologies: Law, Policy and Ethics, Chandler, AZ, May 20, 2013

Emerging Technologies and the Future of Law, U.S. District Court of Nevada Annual Conference, Las Vegas, NV, May 9, 2013

It's A Brave New World: Science and Technology Collide with Legal Ethics, The G. Thomas VanBebber Fourteenth Annual Ethics in Litigation Forum, Kansas City, KS, May 2, 2013

The Intersection of Law and Science – Research Ethics and the Law; Ethical, Legal, and Policy Issues, Forensic Expert Witness Association Annual Conference, Scottsdale, AZ, April 26, 2013

Autonomous Road Vehicles: Panel Discussion, 14th International Conference on Automated People Movers and Automated Transit Systems, Phoenix, AZ, April 22, 2013

Emerging Technologies and the Future of Law, National Judicial College Essential Skills for Appellate Judges Conference, Reno, NV, March 18, 2013

Roundtable: Sceptically Examining the Limits of Toxicology Evidence in the Courtroom, Moderator, Society of Toxicology Annual Meeting, San Antonio, TX, March 13, 2013.

Utilization of Benzene Chromosomal Biomarkers by U.S. Courts in Adjudicating Causation (Poster Presentation), Society of Toxicology Annual Meeting, San Antonio, TX, March 12, 2013.

Technology and the Rising Cost of Health Care: A Paradigm Shift, Moderator and Conference Co-Chair, Tempe, AZ, March 2, 2013

The 1997 NAAQS Revisions: Descent into Arbitrariness, Unaccountability, and Bad Governance, Power Plant Conference, University of Texas School of Law, Austin, TX, Feb. 15, 2013

What Is a Public Record in the Digital Age, 2013 National Association of Government Archives and Records Administrators (NAGARA) Judicial Records Forum, Phoenix, AZ, Feb. 8, 2013

Autonomous Agents, Participant in workshop sponsored by University of Virginia, Charlottesville, VA, Jan. 24-25, 2013

U.S. Government Policy on Persistent, Bioaccumulative and Toxic Chemicals, Expert Group Meeting on PBT Chemicals, Washington, D.C., Dec. 17, 2012

Emerging Technologies and Law, Iowa State Bar Association's 2012 Federal Practice Seminar, Des Moines, IA, Dec. 14, 2012

Risk Management Challenges from DIY SynBio, 2012 Annual Meeting of the Society for Risk Analysis, San Francisco, CA, Dec. 11, 2012

New Surveillance Technologies and the Changing Face of Privacy, Minnesota Annual Conference of Judges, Minneapolis, MN, Dec. 6, 2012

Emerging Technologies and the Future of Law, Minnesota Annual Conference of Judges, Minneapolis, MN, Dec. 5, 2012

Biomarkers for Alzheimer's Disease: Perceptions and Expectations (Poster presentation), Mayo Clinic/Arizona State University Research Summit, Tempe, AZ, Dec. 1, 2012

Emerging Technologies and the Future of Law, Oklahoma Judicial Conference, Oklahoma City, OK, Nov. 14, 2012

The Adolescent Brain and Society, Oklahoma Judicial Conference, Oklahoma City, OK, Nov. 13, 2012

Emerging Technologies Transforming Your Life and Society: Social, Ethical and Legal Dimensions. Series of Four Weekly Lectures on Emerging Technologies and Health, Emerging Technologies and Relationships, Emerging Technologies and Employment, and Emerging Technologies and Privacy. Presidential Engagement Programs, ASU Foundation, Scottsdale, AZ, Oct. 25-Nov. 15, 2012.

Not Guilty by Reason of Biology (Panel Discussion), My Brain Me Do It, The New American Foundation, Washington, D.C., Oct. 22, 2012

Soft Law Mechanisms for Nanotechnology: Liability and Insurance Implications, NeTWork 2012 conference on Liability and Insurance and their Influence on Safety Management of Industrial Operations and Products, Toulouse, France, Oct. 11, 2012

Emerging Technologies and the Future of Law, University of Utah Office of General Counsel Legal Retreat, Alta, UT, Oct. 5, 2012

Addressing Challenges to the Regulatory System Created by Synthetic Biology, Workshop participant, Craig Venter institute, Washington D.C., Aug. 27-28, 201

The Impact of RIA on Regulatory Reform in the U.S., KLRI 22nd Anniversary International Conference on Legislative Impact Assessment for Regulatory Reform: Achievements and

Prospects, Seoul, South Korea, Aug. 23, 2012

Whole Genome Sequencing: Ethical, Policy and Legal Issues, Health Care Delivery Conference, Mayo Clinic, Phoenix, AZ, Aug. 17, 2012

Emerging Technologies That Will Radically Change Your Life, Society and the Law in the Next Five Years, Federal Judicial Center National Workshop for U.S. Bankruptcy Judges II, Santa Fe, NM, Aug. 1, 2012

California's Proposed GM Food Labeling Laws: Pros, Cons, and Legal Issues, ABA Section of Science and Technology Law Quick Teleconference Program, July 31, 2012.

Emerging Technologies, Law & Ethics, Federal Judicial Center National Workshop for U.S. Magistrate Judges II, Denver Co., July 25, 2012

Emerging Technologies and the Future of Law, Federal Judicial Center National Workshop for District Judges II, San Francisco, CA, July 18, 2012

The Courts and the Future, Iowa Judges Association and Iowa State Bar Association 139th Annual Meeting, Des Moines, IA, June 21, 2012

Personalized Medicine, Law & Policy, plenary Presentation, ASLME 35th Annual health law Professors Conference, Tempe, AZ, June 8, 2012

Murder Genes, Brain Scans and the Criminal Justice System, Arizonans for National Security Speaker Series, Phoenix, AZ, June 6, 2012

Pardon the Disruption: GPS, Privacy, and Vehicles, 2012 CCC Industry Conference, Jacksonville, FL, May 17, 2012

Genetic Research and Legal Requirements to Protect Patients, The Neuroblastoma and Medulloblastoma Translational Research Consortium Symposium 2012, Austin, TX, May 16, 2012

Emerging Technology and the Future of Law, Federal Judicial Center National Workshop for District Judges I, Boston, MA, April 30, 2012

Emerging Technologies, Law and Ethics, Federal Judicial Center National Workshop for Magistrate Judges I, Miami, FL, April 20, 2012

Potential Solutions to Regulatory and Reimbursement Barriers for Molecular Diagnostics: Parallel Review and Coverage with Evidence Development, Workshop co-chair and moderator, Scottsdale AZ, April 4, 2012

Social Media and the Courts, ABA Tort Trial & Insurance Practice Session 21st Annual Spring CLE Meeting, Phoenix, AZ, March 31, 2012

Emerging Technologies and the Future of Law, National Judicial College Essential Skills for Appellate Judges Seminar, Reno, NV, March 29, 2012 (by video conference)

Emerging Technologies That Will Radically Change Your Life, Society, and the Law in the Next Five Years, Federal Judicial Center National Workshop for Bankruptcy Judges I, Charleston, SC, March 27, 2012

The New Science of Epigenetics: How Your Environment and Genetics Combine to Influence the Health and Behavior of You and Your Children, Arizona Science Center New Frontiers Lecture Series, Phoenix, AZ, March 11, 2012

Proposal for an Emerging Technology Governance Coordination Committee (with Wendell Wallach), Workshop on Pacing Governance with Technology, Scottsdale, AZ, March 6, 2012.

The OSHA-NAIMA HSPP: Example of a Voluntary Industry-Government Program (with Adam Finkel), Soft Law Governance Workshop, Scottsdale, AZ, March 5, 2012

What Has the Brave New World Wrought?, Federalist Society Colloquium, Tempe, AZ, Feb. 27, 2012

Adolescent Brains and Crime: New Opportunities, New Controversies, Rio Verde-ASU Lecture Series, Rio Verde, AZ, Feb. 21, 2012

Evaluation of Regulatory Framework for Algae and Cyanobacteria Engineered to Produce Transportation Fuels, Workshop on Synthetic Biology Regulation, Venter Institute, Rockville, MD, Jan. 30, 2012.

The Coming Collision between Autonomous Vehicles and the Liability System, Santa Clara Law Journal Annual Conference, San Jose, CA, Jan. 20, 2012

Fostering Quality Science at EPA: Perspectives on Common Sense Reform, Testimony before the Subcommittee on Energy and the Environment, House Committee on Science, Space & Technology, Washington, D.C., Nov. 30, 2011

Roundtable – The Science Policy and Regulatory Implications of Emerging Technologies, Society for the Study of Nanoscience and Emerging Technologies Annual Meeting, Tempe, AZ, Nov. 10, 2011

Pacing Law and Policy with Science and Technology, Society for the Study of Nanoscience and Emerging Technologies Annual Meeting, Tempe, AZ, Nov. 8, 2011

Gene Doping, ASU Sports and Entertainment Law 2nd Annual Conference, Tempe, AZ, Nov. 5, 2011

Neuroscience in the Courtroom: Current Applications and Cases in Criminal and Civil Law, U.S. District Court for the District of Arizona, Phoenix, Arizona, Nov. 4, 2011

Genetics, Liability & Pharmaceuticals, The Miranda Warning of Genetic Mapping – This Information Can be Used Against You, Defense Research Institute Annual Meeting,

Washington, D.C., Oct. 27, 2011

Technology and the Future of Law, Summit Law Group Annual Meeting, Seattle, WA, Oct. 22, 2011

Emerging Technologies and the Future of the Law, Arkansas Fall Judicial College, Eureka Springs, Arkansas, Oct. 20, 2011

The Emerging Technologies that are about to Radically Transform Business, Law and Your Life, Central Florida Bankruptcy Law Association, Orlando, FL, Oct. 6, 2011

Emerging Technologies and the Future of Law, 53rd State of Washington Judicial Conference, Vancouver, WA, Oct. 3, 2011

Applying Prudent Precaution to Nanomedicine Clinical Trials, University of Minnesota Consortium on Law and Values in Health , Environment & the Life Sciences, Conference on Nanodiagnosics and Nanotherapeutics: Building Research Ethics and Oversight, Minneapolis, MN, Sept. 26, 2011.

Emerging Technologies and the Future of Law, Utah Judicial Institute 2011 Annual Judicial Conference, Midway, UT, Sept. 16, 2011

Emerging Technologies that Will Radically Change Your Life, Society and the Law in the Next Five Years, District of Columbia Superior Court Second Annual Criminal Justice Conference, Criminal Justice in the Digital Age, Washington, D.C., Sept. 15, 2011.

Murder Genes, Brain Scans and the Criminal Justice System, Phoenix Rotary 100, Phoenix, AZ, Aug. 12, 2011.

Understanding Tort Law Impacts Created by Scientific Advances of Human Biomonitoring and Genetic Biomarkers, National Foundation for Judicial Excellence 2011 Annual Judicial Symposium, Chicago, IL, July 16, 2011

The Adolescent Brain and Society, Spirit of the Senses Lecture Series, Scottsdale, AZ, June 29, 2011

Emerging Technologies that will Radically Change Your Life, Society and the Law in the Next Five Years, Federal Judicial Center Workshop for Judges of the DC and Seventh Circuits, Cambridge, MD, June 27, 2011

Emerging Technologies and the Future of Law, Opening Plenary Lecture, 2011 Arizona Judicial Conference, Phoenix, AZ, June 22, 2011

Emerging Technologies: Impacts on Law, Life and Society, Harvard Law School Alumni Association, Tucson, AZ, June 17, 2011

The Impact of Developing Technologies on the Law and Court Processes, Commonwealth Judicial Education Institute, Halifax, Canada, June 9, 2011.

A Review of Medical Malpractice Claims Related to Clinical Genetic Testing (with Rachel Lindor) (poster), American Society of Clinical Oncology, Chicago, IL, June 4, 2011

Screening Kids for Violent Predispositions: Future Hope or Ethical Quagmire?, Conference on Adolescent Brains and Juvenile Justice: New Insights from Neuroscience, Genetics and Addiction Science, Phoenix, AZ, May 12, 2011.

Emerging Technologies and the Future of Law, Nebraska Supreme Court Judicial Education Webinar, Lincoln, NE, May 3, 2011

Murder Genes, Brain Scans, and the Criminal Justice System, Wharton-Penn Alumni Association, Phoenix, AZ, April 29, 2011

Emerging Technologies and the Future of Law, Eleventh Circuit Judicial Conference, Orlando, FL, April 27, 2011.

The Emerging Technologies That Are About to Change Your Life, ASU Faculty Emeriti Association Luncheon, Tempe, AZ, April 19, 2011

“Soft Law” Approaches to Nanotechnology Oversight (with Kenneth Abbott, Douglas Sylvester and Elizabeth Corley) (poster presentation), Department of Energy Office of Science Grantees Conference, April 12, 2011, Arlington, VA

The Coming Era of PGx and Drug Safety Across the Product Life Cycle, 20th Annual Partnerships in Clinical Trials Conference, Phoenix, AZ, April 1, 2011

Opportunities to Advance Personalized Medicine: A Blue Sky Session, Workshop Participant, Johnson & Johnson, La Jolla, CA, March 30, 2011

Emerging Technologies and the Future of Law, Ninth Circuit Court of Appeals Judicial Symposium, Tempe, AZ, March 29, 2011

Oversight of Emerging Technologies: Five Challenges, Conference on Environmental Governance at the Leading Edge of Technology, George Washington University Law School, Washington, D.C., March 23, 2011

Soft Law Oversight Mechanisms for Nanotechnology, Workshop Leader, Scottsdale, AZ, March 22, 2011

Nanotechnology: Regulatory Challenges, Conference: The Biggest Issues for the Smallest Stuff: Regulation and Risk Management of Nanotechnology, Phoenix, AZ, March 21, 2011

Nanotechnology: The Regulatory Frontier, Arizona Department of Environmental Quality, Phoenix, AZ, March 1, 2011

Drones, Remote Targeting and the Promise of Law, Session Moderator, New American Foundation, Washington, D.C., Feb. 24, 2011

Governing the Emerging Technologies that are About to Transform our Society and Lives, Rio Verde-ASU Lecture Series, Rio Verde, AZ, Feb. 22, 2011

The Global Biosignatures Network: Creating Partnerships Between Academia and Industry, Forum Participant, Forum for Sustainable Health, Phoenix, AZ, Feb. 17-18, 2011

Technology, Privacy & the Law: A GPS Case Study, Arizona State Bar E-Commerce and Technology Law Section Speaker Series, Phoenix, AZ, Feb. 15, 2011

The Impact of Developing Technologies on the Law and Court Processes, Patron Chief Justices' Meeting, Commonwealth Judicial Education Institute, Hyderabad, India, Feb. 5, 2011 (by Skype)

Nanotechnology: A Case Study, A Workshop on Pacing Law & Ethics with Science & Technology, Scottsdale, AZ, February 4, 2011

Can Washington Keep Up with the Next Big Thing?, Here Be Dragons: Governing a Technologically Uncertain Future, New American Foundation, Washington, D.C., Feb. 3, 2011

International Governance of Robots in National Security, Consortium on Emerging Technologies, Military Operations and National Security Virtual Conference, Second Life, Jan. 20, 2011.

Emerging Technologies in Health Care, University of Miami Global Business Forum -- The Business of Health Care: Defining the Future, Miami, Florida, Jan. 14, 2011

Susceptible Populations and the Future of Air Quality Regulation, Conference on Clearing the Air: Clean Air, Climate Change and Sustainability in Arizona, Tempe, AZ, Jan. 13, 2011.

Thirty Years After the Benzene Decision: When Will Risk Assessment Benefit Workers?, Session Chair and Commentator, Society for Risk Analysis Annual Meeting, Salt lake City, UT, Dec. 6, 2010.

Ethical and Legal Issues Concerning Medical Technologies and Healthcare, David Lincoln Inaugural Symposium: Ethical Leadership in Emerging Technologies, Paradise Valley, AZ, Dec. 3, 2010

Warfarin, Personalized Medicine and Liability, Panel Discussion on Controversies in Pharmacogenomics, University of Arizona College of Pharmacy, Tucson, AZ, Dec. 2, 2011.

Robotic Insects, Military Technologies, and the Reverse Dual-Use Problem, Triple Helix at ASU Seminar Series, Tempe, AZ, Nov. 29, 2010

Cost-Benefit Analysis, the Precautionary Principle and Emerging Technologies, a series of five judicial lectures, Science for Judges, George Mason Law & Economics Program, Captiva, FL, Nov. 16-17, 2010

Emerging Technologies: The Future of Law?, Federalist Society 2010 National Lawyers Convention, Washington, D.C., Nov. 20, 2010.

What's in Your Emerging Technologies Toolbox?, Annual Conference of the Council of Chief Judges of the State Courts of Appeal, Napa, California, November 12, 2010

Societal Issues Arising from Synthetic Biology: What Lies Ahead (Workshop participant), Woodrow Wilson International Center for Scholars, Washington, D.C., Nov. 8-9, 2010

Emerging Technologies: The Challenges for Judges and Judicial Education, National Association of State Judicial Educators Webinar, Oct. 22, 2010

Regulatory/Governance Factors Diminishing Trust in Science, Conference on Trust and Accountability in Science and Technology, California Council on Science and Technology, Irvine, CA, October 19, 2010

Threats to the University and Science, California Council on Science and Technology, Workshop on Threats to Science, Irvine, CA, October 18, 2010

Technology and the Law: What Does the Future Hold and How Will It Impact Me?, Conference on Finding Our Future – Practicing Law in the 21st Century, Washington State Bar Association, Seattle WA, Oct. 8, 2010

Nanotechnology Regulation, ASU Faculty CrossTalk Speakers Series, Tempe, AZ, Sept. 22, 2010

Technology and the Courts, Florida Conference of District Court of Appeal Judges, Jacksonville, FL, Sept. 14, 2010

The Intersection of Law, Technology and Ethics, Ohio Judicial Conference 2010 Annual Meeting, Dublin, OH, Sept. 9, 2010

Emerging Technologies and the Future of Law, National Association of State Judicial Educators 2010 Annual Conference, San Antonio, TX, Aug. 9, 2010

Problems and Issues with Exposure Registries, NIOSH Conference: Nanomaterials and Worker Health, Keystone, CO, July 22, 2010.

Human Gene Patents after ACLU v. Myriad, WiseGuise Luncheon Lecture Series, Scottsdale, AZ, June 25, 2010

The Emerging Technologies That Will Radically Change Your Life, Society and the Law in the Next Five Years, District of Columbia Judicial Conference, Farmington, PA, June 10, 2010

A Return to Expertise? A Proposal for an Institute of Scientific Assessments, Penn Workshops on Markets and the Environment: “Institutions and Incentives in Regulatory Science,” Washington, D.C., June 7, 2010.

Nanotechnology Governance, Nanomormal Project International and Interdisciplinary Seminar:

Normative Pluralism & Nanotechnologies, Rovigo, Italy, June 4, 2010.

Personalized Medicine, Spirit of the Senses speaker series, Phoenix, AZ, May 13, 2010.

International Harmonization of Nanotechnology Regulation, Global Regulation of Nanotechnologies Conference, Northeastern University School of Law, Boston, MA, May 8, 2010

Emerging Technologies and the Future of the Law, The National Judicial College, Essential Skills for Appellate Judges, Reno, NV, April 29, 2010

Emerging Technologies and the Future of Law, Gust Rosenfeld Law Firm, Phoenix, AZ, April 22, 2010.

Commentary on Nanotechnology Regulation, Conference on Governing Nanobiotechnology: Reinventing Oversight in the 21st Century, University of Minnesota, Minneapolis, MN, April 15, 2010

Nanotechnology: Opportunity or Threat, West Valley Engineers Club, Sun City West, April 2, 2010

Risk Management of Nanotechnology, National Nanotechnology Initiative Capstone Meeting on Risk Management Methods & Ethical, Legal, and Societal Implications of Nanotechnology, Roslyn, VA, March 30, 2010

Real Laws in Virtual Space, Panel Chair and Moderator, Conference on Governance in Virtual Worlds, Second Life, March 26, 2010

Future Risks and Emerging Technologies, Bayer Trend Immersion Workshop, Pittsburgh, PA, March 22, 2010

Physician Liability and Personalized Medicine (with Bob Milligan), Personalized Medicine in the Clinic: Policy, Legal, and Ethical Implications, Phoenix, AZ, March 8, 2010

Should Morality Be Legislated?, Federalist Society Public Lecture, Tempe, AZ, March 4, 2010.

Genetic Data and Toxic Substances Litigation, International Association of Defense Counsel 2010 Midyear Meeting, Naples, FL, Feb. 14, 2010

Sustainable Energy Technologies: Lessons from the History of Technology Regulation, EUEC2010 Energy & Environment Conference, Phoenix, AZ, Feb. 2, 2010

Role of the Human Genome and Genetic Testing in Toxic and Mass Tort Litigation, 2010 ABA Section of Litigation Environmental, Mass torts & products Liability Committees Joint CLE Seminar, Vail, CO, Jan. 30, 2010

Cost-Benefit Analysis and Regulating Risk of Emerging Technologies, Science in the Courts Institute for Judges, George Mason Law & Economics Center, Captiva, Florida, Dec. 5-6, 2009

The (In)Feasibility of Legal Restrictions on Human Enhancement, Templeton Faculty Seminar on Transhumanism, Tempe, AZ, Nov. 9, 2009

Regulating Nanotechnology: Opportunity or Threat for an Emerging Technology, Arizona Nanotechnology Cluster Speaker Series, Tempe, AZ, Oct. 22, 2009

Regulatory Oversight of Emerging Technologies, National Academy of Sciences Committee on Science, Technology, and Law, Washington, D.C., Oct. 19, 2009

Robo Insects, Workshop on Emerging Technologies, Military Operations, and National Security, Case Western Reserve University, Cleveland, OH, Oct. 10, 2009

Legal Issues in Primary Care Genomic Medicine, Mayo Clinic Conference on Genomics in Everyday Medical Practice, Scottsdale, AZ, Sept. 26, 2009

Pacing Regulatory Oversight with Rapidly Emerging Nanotechnologies, Chatham House, London, UK, Sept. 11, 2009.

Emerging Health Technologies: The Pharmacogenomics Example, Physicians Insurance Board Retreat, Suncadia, Washington, August 13, 2009.

Genetics and Toxic Torts, American Bar Association Annual Meeting, Chicago, IL, Aug. 2, 2009

Owning Life, Chautauqua Institution, Chautauqua, N.Y., July 20, 2009

The Brain and Criminal Justice, Spirit of the Senses lecture series, Tempe, AZ, July 13, 2009.

The Rise and Fall of “Reg Neg” in the United States, BK 21 Team and Ewha Legal Science Institute International Conference on Conflict Resolution in the Legislative Process, Seoul, Korea, June 27, 2009.

Regulatory Analysis in the United States: Underlying Tensions and Contested Legitimacy, Korea Public Law Association and Korea Legislation Research Institute International Conference on Evaluation of Legislation & Regulatory reform, Seoul, Korea, June 26, 2009

Emerging Technologies and the Law, California Administrative Office of the Courts Lecture Forum, San Francisco, CA, June 17, 2009

Evolution and the Law, Workshop: Translating Evolutionary Science into the Public Classroom, ASU Darwinfest, Tempe, AZ, May 9, 2009

Genetics and Toxic Torts, 2009 ABA Section on Litigation Annual Meeting, Atlanta, GA, April 30, 2009

Research Roundtable: Environmental, Health, and Safety Risks of Emerging Technologies, Workshop Participant. Searle Center on Law, Regulation, and Economic Growth, Northwestern University School of Law, Chicago, IL, April 23-24, 2009

Soft Law Approaches to Nanotechnology Oversight: A Voluntary Product Certification Scheme, 2009 Working Conference on Nanotech Regulatory Policy, UCLA Law School, Los Angeles, CA, April 17, 2009

Addiction Science in the Courtroom: How Have Courts Responded?, Hooked: Legal and Ethical Implications of Recent Advances in Alcohol and Drug Addiction Research, Phoenix AZ, April 10, 2009

Emerging Technologies and the Future of Law, Washington State Appellate Judges' Spring Program, Chelan, WA, April 8, 2009

Surveillance Technologies, Migs Woodside Salon, Phoenix, AZ, April 7, 2009

Genetics and Toxic Torts, ABA Tort Trial & Insurance Practice 18th Annual Spring Meeting of the Toxic Torts and Environmental Law Committee, Phoenix, AZ, April 3, 2009

Emerging Technologies and the Law, 16 hour mini-course, Vanderbilt Law School, Nashville, TN, March 26-29, 2009.

Elements of Our Changing Healthcare Delivery System (with Robert Milligan), Physician Insurer Association of America (PIAA) CEO/COO Meeting and Chairs' Roundtable, Scottsdale, AZ, March 21, 2009.

Science and Resistance to New Ideas, Unchallengeable Orthodoxies in Academia and Science, Tempe, AZ, March 19, 2009

The Pacing Problem: Addressing the Growing Gap Between Emerging Technologies & the Law, Conference on What's Next in Law, Health & the Life Sciences, University of Minnesota, Minneapolis, MN, March 6, 2009

Governing Emerging Technologies: New Challenges, U.S. District Court, Arizona Judges Seminar, Phoenix, AZ, Feb. 25, 2009.

International Harmonization of Nanotechnology Regulation, 2nd Annual Conference on Nanotechnology Law, Regulation and Policy, Washington, D.C., Feb. 19, 2009.

Evolution, Creationism and the Courts, Symposium on "Teaching and Learning Evolution in American: Darwin's Role in the Classroom", Tempe, AZ., Feb. 13, 2009

Sustainable Energy Technologies: Ten Lessons from the History of Technology Regulation, Conference on "Sustainable Energy: The Intersection of Innovation, Law, and Policy, Widener Law School, Harrisburg, PA, Feb. 10, 2009

Emerging Technologies & The Future of Law, Conference of Chief Justices Midyear Meeting, Scottsdale, AZ, Jan. 28, 2009

Moral, Social and Religious Factors in Regulatory Decisions, Templeton Faculty Seminar series on facing the Challenges of Transhumanism, Tempe, AZ, Jan. 26, 2009

Non-Discriminatory Regulation of Emerging Technologies, Mercatus Center Capital Hill Briefing, Washington, D.C., Dec. 10, 2008

Cost-Benefit Analysis and Regulating Risk of Emerging Technologies, Science in the Courts institute for judges, George Mason Law & Economics Center, Captiva, Florida, Dec. 8-9, 2008

The Growing Gap Between Emerging Technologies & the Law, Workshop on Pacing Law & Ethics with Science and Technology, Scottsdale, AZ, Dec. 4, 2008;

Human Enhancement and the Arts, Arizona 5 Arts Circle Arts & Beyond Lecture Series, Phoenix, AZ, Oct. 30, 2008

Murder Genes and Dangerous Minds: New Roles for Genetics and Neuroscience in the Courts?, Inamori International Center for Ethics and Excellence Lecture Series, Case Western University, Cleveland, OH, Oct. 17, 2008

Making Regulatory Systems Adaptive to Changing Science and Technology, ASU Center for the Study of Institutional Diversity Seminar Series, Oct. 15, 2008, Tempe, AZ

Brain Scanning in the Courts: Criminal Cases, Presentation to the MacArthur Law & Neuroscience Project Network on Legal Decision Making, Oct. 11, 2008, St. Louis, MO (via teleconference)

Transnational Models for Regulation of Nanotechnology, University of Dayton School of Law Scholarly Symposia Series, Oct. 7, 2008, Dayton, OH.

Creating an Institute of Scientific Assessments, AEI/NYU Workshop on Breaking the Logjam: Environmental Reform for the New Congress and Administration, Washington, D.C., Sept. 25, 2008

Lessons for Emerging Technologies, Conference on 21st Century Regulation: Discovering Better Solutions for Enduring Problems, Mercatus Center, Washington D.C., Sept. 15, 2008

Making Regulatory Decisions More Adaptive, Workshop: The Long Haul: Navigating the Energy Transition to Limit Climate Change, Victoria, B.C. Canada, Aug. 12, 2008.

The World You Know Is Obsolete: The Disruptive Impact of Emerging Technologies, Chautauqua Institution, Chautauqua, N.Y., July 14, 2008

How Genomic Medicine Improves the Accuracy of Warfarin Dosing, Helix Health WebCast, June 30, 2008

The New Era of Personalized Medicine: Opportunities and Challenges, National Association of Legal Professionals Region 8 Annual Conference, Tucson, AZ, June 28, 2008

Emerging Technologies and Privacy, Arizona State Bar Annual Convention, Tucson, AZ, June 20, 2008

Omics and the Precautionary Principle, International Workshop on Omics for Assessing Unclear Risks, Berlin, Germany, May 28, 2008

Liability Implications of Genetic Susceptibility Testing, Health Helix Webcast on How Genomic Medicine Is Changing the Management of Breast & Ovarian Cancer, May 21, 2008.

Oversight of Nanotechnology and Emerging Technologies, Workshop on Evaluating Oversight Model for Active Nanostructures and Nanosystems, University of Minnesota, Minneapolis, MN, May 20, 2008

Emerging Technologies and the Practice of Law, Snell & Wilmer LLP Annual Meeting, Scottsdale, AZ, May 17, 2008

Surveillance and Privacy, Spirit of the Senses Lecture Series, Phoenix, AZ, April 2, 2008

The Future of Law and Emerging Technologies, Presentation to the Arizona Attorney General's Office, Phoenix, AZ, March 6, 2008.

Project on Nanotechnology Regulation, Presentation to the 1st Annual Conference on Nanotechnology Law, Regulation and Policy, Washington, D.C., Feb. 29, 2008.

The Law of Neuroscience: Lie Detection, Presentation to the National Association of Criminal defense Lawyers 2008 Midwinter Meeting, Tucson, AZ, Feb. 22, 2008.

Technology in the Courtroom, Presentation to Arizona Federal District Court Annual Conference, Phoenix, AZ, Feb. 8, 2008.

Nanotechnology Regulation, Presentation to the conference on Capitalizing on Nanoplastics, San Antonio, TX, Feb. 4, 2008

Public Health and the Environment, Panel Discussion at the 2008 Earth, Life, and Social Science Graduate Research Symposium, Tempe, AZ, Jan. 31, 2008

Radical New Technologies: The Promise and the Concerns, Series of five 2-hour weekly seminars on Personalized Medicine, Surveillance Technology, Brain Scanning, Nanotechnology and Human Enhancement, ASU President's Community Enrichment Program, Scottsdale, AZ, Jan. 10-Feb. 7, 2008.

Cost-Benefit Analysis, George Mason University Law & Economic Center Institute on Science in the Courts, Captiva, FL, Dec. 4, 2007.

Risk Management Principles for Nanotechnology, University of Pennsylvania Law School/Wharton School Risk Regulation Seminar Series, Philadelphia, PA, Nov. 27, 2007.

The Rule and Role of Law in the Global Development of Biotechnology, Horning Lecture, Oregon State University, Corvallis, OR, Nov. 15, 2007

The Precautionary Principle: Wrong Answer to the Right Question, Department of Political Science Seminar, Oregon State University, Corvallis, OR, Nov. 15, 2007.

The Legal and Ethical Issues Associated with the Collection of Tissue Samples, Society of Clinical Research Associates Valley of the Sun Chapter Speaker Series, Phoenix, AZ, Oct. 25, 2007.

Ethics and Emerging Technologies, ABA Section of Environment, Energy, and Resources 21st Annual Petroleum Marketing Roundtable, Scottsdale, AZ, Oct. 10, 2007.

Emerging Technologies and the Environment, Center for Responsible Nanotechnology Conference on Challenges & Opportunities: The Future of Nano & Bio Technologies, Tucson, AZ, Sept. 10, 2007.

Tensions and Challenges in U.S. Nanotechnology Regulation, European Consortium for Political Research Annual Conference, Pisa, Italy, Sept. 8, 2007.

Are Your Genes Being Patented?, Presentation to the Spirit of the Senses Speaker series, Phoenix, AZ, Aug. 2, 2007.

Biotech in the Courts: Recent Developments, Presentation to the American Society of Horticultural Science Annual Conference, Scottsdale, AZ, July 16, 2007.

Ethics, Law and Emerging Technologies, Chautauqua Institution, New York, June 25, 2007.

Brain Scanning in the Courts ... The Story So Far, Presentation to Conference on The Law and Ethics of Brain Scanning: The Next Big Thing Coming Soon to a Courtroom Near You?, Phoenix, Arizona, April 13, 2007.

Embryonic Stem Cells: Ethical and Legal Issues, Presentation to A Panel on Stem Cell Research: A Modern Perspective, The Liberty Project, Tempe, AZ, April 3, 2007.

Liability and Personalized Medicine, Presentation to Conference on Personalized Medicine & Molecular Diagnostics: Legal, Regulatory & Ethical Perspectives, Tempe, AZ, March 2, 2007

The Complexity of Risk ... Or Why We Make Such a Mess of Risk Decision-Making, Presentation to ASU Retirees Day, Tempe, AZ, Feb. 17, 2007

Asthma Toxicogenomics: Ethical, Legal and Social Issues, Workshop on Using Toxicogenomic Research to Understand Disease Mechanisms: An Asthma Case Study, National Academy of Sciences, Washington, D.C., Feb. 8, 2007.

Property Rights for Tissue Donors?, Presentation to conference on The Tissue Issue: Ethical and Legal Issues in Biorepository Research, Phoenix, Arizona, January 31, 2007

Workshop Participant, Workshop on Ethical Aspects of Nanotechnology, ASU, Tempe, AZ, January 11-12, 2007.

Legal Pressures for Incorporation of Genetics Into Medical Practice, Mayo Hospital Family Medicine Grand Rounds, Dec. 14, 2006, Scottsdale, AZ

Workshop Participant, 1st International IMBA (Implications of Biomedicine for the Assessment of Human Health Risks) Workshop, Max-Delbruck Center for Molecular Medicine, Berlin, Germany, Oct. 12-13, 2006.

Nanotechnology and Environmental Regulation, Quarles & Brady National Environmental Law Practice Group Retreat, Phoenix, AZ, Oct. 20, 2006

Genetics and Toxic Torts, Dupont Women Lawyers National Conference, Scottsdale, Arizona, Oct. 19, 2006

Nanotechnology Regulation: The United States Approach, Conference on New Global Regulatory Frontiers: Evaluating What Will Work for Nanotechnology, Monash University, Melbourne, Australia, July 17-18, 2006.

Legal Pressures and Incentives for Personalized Medicine, Beyond Genome 2006 Conference, San Francisco, CA, June 19, 2006.

Symposium on *Nanotechnology Governance: Environmental Management from a Global Perspective*, Participant and Commentator, Environmental Law Institute and Vanderbilt Center for Environmental Management Studies, Vanderbilt University, Nashville, TN, May 19, 2006

Legal Ethical and Policy Issues with Biomarkers, Keystone Symposium on Emerging Genomic Biomarkers: Impact on Drug Discovery and Clinical Practice, Victoria, British Columbia, Canada, May 9, 2006.

Property Rights and Benefit-Sharing for DNA Tissue Donors, ABA Biotechnology Law Committee National Biotechnology Roundtable, April 27, 2006.

Pros and Cons of Cost-Benefit Analysis; Issues in Implementing Cost-Benefit Analysis; and The Precautionary Principle: An Alternative to Cost-Benefit Analysis?, Institute on Science in the Courts, George Mason University Law & Economics Center, Tucson, AZ, April 26-27, 2006

The Intersection of Law & Science, State Bar of Arizona CLE on Scientific Evidence, Phoenix, AZ, April 19, 2006

Legal, Ethical and Policy Issues with Pharmacogenomics, TGEN, Phoenix, AZ, April 14, 2006

Moderator, Panel on *Health Care Litigation Reforms as Transformational Tools*, National Symposium on Transforming American HealthCare Over the Next Decade, Phoenix, AZ, March 24, 2006

Regulatory and Legal Implications of Hormesis, Society of Toxicology Annual Meeting, San Diego, CA, March 8, 2006

Aspirations and Limitations of the Precautionary Principle, Society of Toxicology Annual Meeting, San Diego, CA, March 7, 2006

Incorporating Genetic Susceptibility Data in Standard-Setting for Air Pollutants, Society of Toxicology Annual Meeting, San Diego, CA, March 6, 2006

Global Positioning Systems (GPS), Privacy and the Law, Conference on Surveillance Technologies, Privacy and the Law, ASU College of Law, Tempe, AZ, Feb. 17, 2006

Genetics and Criminal Responsibility, ASU Adventures in Learning Lecture Series, Scottsdale, AZ, Feb. 7, 2006

Evolution, Creation, and the Law, MetaNexus Board Presentation, Tempe, AZ, Jan. 22, 2006

The Problems with the Precautionary Principle, Washington Health Legislative Conference, Seattle, WA, Dec. 6, 2005.

Arbitrary and Capricious: The Precautionary Principle in European and Global Lawmaking, Centre for the New Europe, Brussels, Belgium, Oct. 5, 2005.

The Precautionary Principle in the European Union Courts, Institute for Economic Affairs, London, UK, Oct. 4, 2005.

Genetically Based Toxic Tort Suits, 9th International Conference on Environmental Mutagens, San Francisco, CA, Sept. 4, 2005.

Toxic Torts: How Genetics Can Shape the Debate Regarding Proximate cause and Damages, National Association of Women Judges Genome Justice Pilot Project, Phoenix, April 9, 2005.

Genetics and Toxic Torts, Sciences for Judges V, Brooklyn Law School, New York, NY, April 1, 2005.

Transnational Models for Regulating Nanotechnology, Conference on Nanoethics, University of South Carolina, Columbia SC, March 4, 2005

Labeling of GM Foods – A “No Brainer” Or Not?, Western Regional Bioethics Conference, Tempe, AZ, Feb. 26, 2005

Applications of Toxicogenomics to Environmental Regulation, Workshop on Genomics and Environmental Regulation, ASU College of Law, January 13-14, 2004

Incorporating Genetic Susceptibility Data Into Air Quality Standards, Workshop on Genomics and Environmental Regulation, ASU College of Law, January 13-14, 2004

Risk Analysis: As Others See Us, Plenary Session Respondent, Society for Risk Analysis Annual Conference, Palm Springs, CA, Dec. 7, 2004.

Incorporating Genomics into Risk Assessment and Regulation, Society for Risk Analysis Annual Conference, Palm Springs, CA, Dec. 7, 2004.

Transnational Regulatory Models for Molecular Nanotechnology, 1st Conference on Advanced Technology, Foresight Institute, Arlington, VA, Oct. 24, 2004

Legal and Ethical Issues of Genomics, Spirit of the Senses Lecture, Barrow Neurological Institute, Phoenix, AZ, September 20, 2004

Genetic Testing: How Will It Impact Your Life in the Next Five Years?, Gathering for the Great Minds Awesome Hearts Lecture series, Interfaith Community Care, Sun City West, AZ, Sept. 14, 2004

Regulating Risks from Research on New Technologies, Harrington Department of Bioengineering Seminar Series, Arizona State University, September 10, 2004.

Genomics and Environmental Regulation, presentation to the National Human Genome Research Institute ELSI Genetic Variation Consortium, Rockville, MD, July 12, 2004

Regulatory Incentives and Impediments to Fuel-Celled Vehicles, presentation to the Conference on Legal Issues in Developing Hydrogen Technologies, George Washington University Law School, Washington, D.C., June 11, 2004.

Regulatory Applications and Acceptance of Hormesis, presentation to the American Industrial Hygiene Conference, Expo 2004, Atlanta, Ga, May 13, 2004

An Occupational Exposure Database for Synthetic Vitreous Fibers (SVFs), Society of Toxicology Annual Meeting, Baltimore, MD, March 22, 2004 (Poster presentation)

Property Interests of Genetic Research Donors?, Presentation to the Conference on Human Genetic Sampling: Ethical, Legal, and Social Considerations, ASU College of Law, Tempe, AZ, March 19, 2004.

The Precautionary Principle, Presentation to the Capstone course: Issues in Biotechnology, Arizona State University School of Life Sciences, Tempe, AZ, March 9, 2004.

Genetics and the Law: An Introduction, 2004 Arizona Federal District Court Conference, Phoenix, AZ, Feb. 7, 2004.

Contagion, Risk and Fear: Lessons From SARS, Mad Cow Disease, West Nile Virus and Anthrax, ASU President's Community Enrichment Program, Scottsdale, AZ, Feb. 3, 2004.

Toxicogenomics: Ethical, Legal and Social Issues, National Institute of Environmental Health Sciences (NIEHS), Division of Extramural Research and Training (DERT), Science Retreat, Southern Pines, NC, Dec. 4, 2003.

Risk in the Republic, Greater Phoenix Humanists Association, Tempe, AZ, Oct. 19, 2003.

Risk in the Republic, World Presidents Association, Phoenix, AZ, Oct. 2, 2003.

Risk as Tort Injury? and *Genetics and Toxic Torts*, Toxic Torts: A Seminar for Federal Judges and Law Professors, Foundation for Research on Economics and the Environment, Big Sky, Montana, Sept. 9-14, 2003.

Genetic Susceptibility and Environmental Exposures, Special Committee on Bioethics, ABA Annual Meeting, San Francisco, CA, August 9, 2003

How Genomics Will Change Environmental Regulation, EPA Region 10, Seattle, WA, July 2, 2003

Hopes and Hypes of the Biomedical Revolution: Genetic Testing, 9th Circuit Judicial Conference, Kaua'i, Hawaii, June 23, 2003

Human Cloning, presented at conference on "What Every Lawyer Should Know About Bioethics Law," Arizona State Bar, Phoenix, AZ, April 11, 2003

Genetics and Toxic Torts, presented at conference on Issues in Biotechnology and Genetics, co-sponsored by Eccles Institute of Human Genetics and FREE, Salt Lake City, UT, March 27, 2003

Genomics and Environmental Regulation, ABA Section of Environment Annual Meeting, Keystone, CO, March 15, 2003.

Ethical and Legal Dilemmas of Genetic Testing, Greater Phoenix Humanist Association, March 9, 2003

The Human Genome and Beyond, State Capital Global Law Firm Group 2003 Midwinter Meeting, Scottsdale, AZ, March 7, 2003.

Genetics and Toxic Torts, Federal Judicial Center, Workshop for Judges of the Ninth Circuit, Santa Barbara, Ca., Jan. 28, 2003.

Genetic Susceptibility: Regulatory Issues, Annual Meeting of the Society for Risk Analysis, New Orleans, Dec. 8, 2002

Potential Public Consultation and Participation Mechanisms, Conference on Confidence Building Measures for Genetically Modified Foods, ASU College of Law, Tempe, AZ, Dec. 6, 2002

Genomics and the Law, presentation to the National Academy of Science's conference entitled "Toxicogenomics: The 'New Biology' Revolution in Environmental Health Sciences," Washington, D.C., Nov. 4, 2002

Genetics and Toxic Torts, Maricopa County Superior Court Judicial Education Day, Phoenix, AZ, Nov. 1, 2002

Ethical and Legal Dilemmas of Genetic Testing, ASU President's Community Enrichment Program, Scottsdale, AZ, Oct. 29, 2002

Non-Linear Dose Response: Legal Standards for the Admission of Novel Scientific Theories in Regulatory Decision-Making, presentation to International Conference on Non-Linear Dose-Response Relationships in Biology, Toxicology and Medicine, University of Massachusetts, Amherst, June 2002

The Role of the Federal Government in Environmental Regulation, Presentation to State Bar of Arizona Environmental and Natural Resources Law Section Conference, *Who Are Your Environmental Regulators?*, Phoenix, AZ, May 9, 2002

Biotechnology and Public Confidence: Legal & Policy Issues, Presentation to Arizona Bioindustry Cluster, Phoenix, AZ, April 29, 2002

Genetic Biomarkers in Civil Litigation, Presentation to the American Bar Association Section of Litigation Annual Meeting, Boston, MA April 26, 2002

Ten Ways Genomics Could Change Environmental Regulation, Presentation to the Seton Hall Law School Faculty Colloquium, March 8, 2002

Ten Ways Genomics Could Change Environmental Regulation, Presentation to the Wilson Center, Washington, D.C., March 7, 2002

Ten Ways Genomics Could Change Environmental Regulation, Presentation to the Environmental Law Institute, Washington, D.C., March 7, 2002

Some Legal Implications of the Beryllium Lymphocyte Proliferation Test (BLPT), Presentation to the Beryllium Lymphocyte Proliferation Test Panel, Menlo Park, CA, Feb. 28, 2002

Risk in the Republic: The Struggle to Define a Rational Risk Policy, ASU's President's Community Enrichments Programs, Feb. 5, 2002

Frankenfoods or Better Foods? The GM Foods Controversy, Presentation to ASU College of Law Alumni, Yuma, AZ, January 16, 2002.

Legal Implications of Toxicogenomics for Environmental Regulation and Toxic Torts, National Institutes of Health/National Institute of Environmental Health Sciences, Symposium on Gene Expression and Proteomics in Environmental Health Research, Dec. 3-4, 2001, Bethesda, MD.

Legal Aspects of Genetic Testing, Capstone Course in Biotechnology, Arizona State University, November 19, 2001

Bioterrorism: The Threat and Legal Consequences, Arizona State University College of Law, November 15, 2001

Risk in the Republic, Presentation to the Motorola Science Advisory Board, Mesa, Az, Sept. 27, 2001.

Presentations on the precautionary principle, cost-benefit analysis, and genetically modified foods, to Innovations in Environmental Economics & Policy Analysis: A Seminar for Law Professors, Bozeman, MT, July 10-15, 2001 (Foundation for Research on Economics & the Environment).

Economics and Environmental Policy, presentation to Economics 591, ASU, June 11, 2001.

Institutionalizing Science and Economics in the Regulatory Process, Commentator at *The Role of Science and Economics in Setting Environmental Standards*, A Kennedy School Policy Workshop, Washington, D.C., May 31, 2001.

The Precautionary Principle, presentation to the Goldwater Institute, May 18, 2001, Phoenix, AZ.

Risk Is a Four-Letter Word, presentation to the Law Society Dinner, Arizona State University College of Law, Tempe, Az, May 15, 2001

Genetic Biomarkers and Tort Litigation, presentation to the National Institute of Environmental Health Sciences, Research Triangle Park, N.C., May 10, 2001.

Legal Criteria, Obstacles and Precedents for Considering Hormesis in Regulation, Issues and Applications in Toxicology and Risk Assessment, Conference sponsored by the U.S. Environmental Protection Agency, et al., Dayton, Ohio, April 25, 2001.

Risk, Uncertainty and the Precautionary Principle, presentation to the University of Colorado School of Law, Faculty Colloquium, Boulder, Co., April 6, 2001.

Genetic Biomarkers and Toxic Torts, presentation to the American Bar Association, Appellate Judges Seminar, Phoenix, AZ, March 20, 2001

Genetic Biomarkers and Toxic Torts, presentation to the American Association of Law Schools Annual Meeting, Session on "Genetics and the Courtroom," San Francisco, Ca, January 5, 2001.

The Precautionary Principle: The Wrong Answer to the Right Question, presentation to International Conference on Biotechnology in the Global Economy: Science and the Precautionary Principle, Kennedy School of Government, Harvard University, Sept. 22-23, 2000

Biotech Materials and Medical Devices in the New Millennium, The Third Annual Technology Symposium, Boston University School of Law, February 18, 2000

Legal Rules vs. Scientific Judgment in Risk Assessment, Society for Risk Analysis Annual Meeting, New Orleans, LA, Dec. 10, 1996