GREGORY N. MANDEL

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CURRENT EMPLOYMENT

Temple University **2007 - present**
Philadelphia, PA

Senior Vice President and Provost **2021 – 2025**
Senior Advisor to the President **2025 - present**
Dean, Beasley School of Law **2016 - 2021**
Laura H. Carnell Professor of Law **2022 - present**
Peter J. Liacouras Professor of Law **2011 - 2022**
Associate Dean for Research, Beasley School of Law **2009 - 2016**
Professor of Law **2007 - present**

Senior Vice President and Provost (2021-2025)
Chief academic officer of R-1 research university with over 30,000 students and nearly 4,000 faculty members. Portfolio includes university strategic planning; overseeing the university's 17 schools and colleges; academic, faculty and student affairs; enrollment management; diversity, equity and inclusion; research; global engagement; and information technology. Served as interim provost from August-December 2021. Notable accomplishments include:

- Enrollment: Achieved a record number of undergraduate applications and first-year deposits for the university. Welcomed the most racially and ethnically diverse first-year classes in the university's history for four years running. Set records for the highest proportion of first-generation students and financially-deserving students.
- Access: Created the Temple Promise, a new last-dollar scholarship program designed to cover the full cost of tuition and fees for all incoming admitted students from Philadelphia with family adjusted gross income below certain $65,000. Launched the Temple Future Scholars program, creating a seventh grade to college pipeline for students in local public schools.
- Research: University surpassed $300 million in annual research expenditures for the first time. Created the Temple University Research Council to identify new interdisciplinary and growth opportunities, and to bring recognition to research activities and programs. Launched the Innovation Next (iNest).
- Leadership: Hired 17 new deans, vice presidents, and vice provosts to help lead the university. Ten of the hires are women and six are BIPOC, significantly increasing the diversity of the leadership team.
- Health and Wellness: Established a new Health and Well-being Division to better integrate and coordinate services, expanded mental health services for students, faculty, and staff, and added a new counseling location at the Health Sciences Campus.
- Interdisciplinary Education and Research: Supported the development of new interdisciplinary academic programs, research, health equity initiatives and community engagement. Established an interdisciplinary collaboration task force to promote collaboration in academic programs and research.
- Global Engagement: Doubled proportion of international students in first-year class, created new entry-year programs in Rome and Tokyo, opened new satellite location in Kyoto, and moved Rome campus to iconic location by the Spanish Steps. Built multiple relationships and academic partnerships in India, China, Israel, Brazil, and other countries around the world.
- Rankings and Awards: Temple University achieved its highest ranking ever in U.S. News, placing in the top 100 national universities for the first time. The university received the Higher Education Excellence in Diversity (HEED) Award from Insight Into Diversity magazine for three years running.

Dean, Beasley School of Law (2016-2021)
Responsible for leading the law school with 60 full-time and 150 part-time faculty and about 900 Juris Doctor and Masters of Law students. Served as interim dean from 2016-2017. Major accomplishments during tenure as dean include:

- Enrollment: Both the academic credentials and the diversity of the first-year classes continuously increased, with each reaching their highest known levels; J.D. applications rose over 30%.
- Faculty: Secured funding for seven new faculty Chairs and Professorships; made 14 full-time faculty hires, including three nationally prominent lateral hires; increased support for faculty research and teaching initiatives.
- Curriculum: Made revisions to provide more evidence-driven and pro-active approach to student academic support; added new Bias & the Law course requirement; established new Systemic Justice, Access to Justice, and Low-Income Taxpayer Clinics.
- Student Outcomes: Achieved highest-ever graduate job placement rates; secured new graduate fellowships; revamped career services support for students and alumni.
- Diversity, Equity, & Inclusion: Both student and faculty gender and racial/ethnic diversity reached their highest known levels. Nationally recognized as one of the top-10 most diverse law schools and #7 law school in the country for Racial Justice; introduced initiatives to support persons of color, all genders, LGBTQ+ persons, first generation students, persons with disabilities, religious observance, and nursing parents.
- Research Mission: Created new Institute for Law, Innovation, & Technology; new Center for Tax Law & Public Policy; and formalized the Center for Compliance & Ethics.
- International: Created new faculty and student programs in Chile, Columbia, and Israel, and grew partnerships in China and Italy; significantly increased Foreign LLM student enrollment at main campus.
- Financial: More than doubled annual fundraising and raised endowment from $66 million to $100 million. Increased operating revenue over 20%, moving law school from multi-million dollar deficit to multi-million dollar surplus.
- Rankings: Achieved the law school's highest rankings ever in U.S. News at #47, including as #1 for Trial Advocacy and nationally ranked for the first time in Healthcare Law and Tax Law. Also ranked as one of the top-20 best value law schools, top-25 law schools for Black students, and top-10 for resources for women law students.

Associate Dean for Research, Beasley School of Law
Designed and implemented a faculty-wide inclusive approach to advance the quality, visibility, and impact of research and scholarship. Through scholarly events and workshops, faculty hiring, and relationship building, increased participation and elevated the reputation of the law school to internal and external audiences. Created new systems and processes, including new ways to assess the research enterprise and regular research communication.

Professor of Law
Specialize in intellectual property and the interface among technology, science, and the law, with a particular focus on patent law and emerging technologies. Courses: Intellectual Property Law, Patent Law, Advanced Patent Law, Introduction to Transactional Skills, Property.

EDUCATION

Stanford Law School ***1993-1996***
J.D. 1996, Graduation with Distinction
Co-Editor-in-Chief, *Stanford Environmental Law Journal*
Founding Member, Stanford Environmental Law Clinic

Wesleyan University ***1987-1991***
B.A. 1991, double major in Physics and Astronomy
Phi Beta Kappa; High Honors; top 5% of class; Sigma Xi speaker

PRIOR ACADEMIC APPOINTMENTS

University of Cadiz Faculty of Law ***Spring 2014***
Visiting Professor of Law.

University of Canterbury School of Law ***Spring 2009***
Visiting Professor of Law.

University of Paris--Nanterre ***May 2007***
Visiting Professor of Law. Fulbright Senior Specialist Grant. Taught U.S. Intellectual Property Law to students in a specialized Franco/Anglo Law program.

Albany Law School at Union University ***2001 - 2007***
Associate Dean for Research, 2006-07
Professor of Law, 2006-07; Associate Prof., 2004-06; Assistant Prof., 2001-04
Highest rated professor in student evaluations (2004); second highest (2006). Courses: Patents; Technology, Science, & Law; Natural Resources; Property II.

SCHOLARLY ACTIVITIES

National Science Foundation Award ***2013-2016***
$300,000 grant to conduct a series of experiments on the psychology of intellectual property in the United States and China (with K. Olson).

Association of American Law Schools Intellectual Property Section ***2010-2011***
Executive Committee; Secretary.

American Bar Association Nanotechnology Task Force ***2006***
Member of task force that developed white papers and briefed Environmental Protection Agency on arising environmental law nanotechnology issues.

Legislative Consulting ***various dates***
Consulted by Congress members concerning patent, technology, pharmaceutical, and immigration legislation.

Science and Technology Law Center, Albany Law School ***2004-2007***
Advisory Board member.

Alden March Bioethics Institute, Albany Medical College ***2005-2007***
Member of the Faculty.

PUBLIC SERVICE

The Miquon School ***2010-2016***
Philadelphia, PA
President of the Board, 2013-2015
Vice-President/Secretary of the Board, 2010-2013
Member of the Board, 2010-2016

Served as the chief executive officer of The Miquon School, a non-profit, progressive, independent elementary school for nursery through sixth grade with approximately 150 students and 40 staff members. As president of the board, work included capital campaigns and other fundraising (the school's primary endowment increased by 50% during presidency), overseeing advancement of a new campus building plan, initiation of a board diversity committee, helping to oversee a major construction project, co-chairing a head of school search committee, and managing the budget with the finance committee.

LEGAL EMPLOYMENT

Skadden, Arps, Slate, Meagher & Flom LLP ***1997-2001***
San Francisco, CA ***& Summer 1995***
Associate. Advised and represented clients on a range of domestic and international transactional and corporate matters, litigation, and regulatory matters. Pro bono work included a prominent asylum case before Attorney General of the United States and Ninth Circuit Court of Appeals.

Hon. Jerome Farris, Ninth Circuit Court of Appeals ***1996-1997***
Seattle, WA
Law clerk. Drafted and edited opinions, and prepared bench and court-wide memoranda, on wide variety of federal civil and criminal appeals.

Hon. Anthony J. Scirica, Third Circuit Court of Appeals ***Summer 1994***
Philadelphia, PA
Law intern. Drafted and edited opinions and bench memoranda.

SCIENTIFIC EMPLOYMENT

NASA's Hubble Space Telescope Science Institute ***1991-1993***
Baltimore, MD
Managed team reprocessing Hubble Space Telescope images.
1992 STScI Individual Achievement Award.
1993 STScI Group Achievement Award.

PUBLICATIONS

Author of over fifty scholarly articles and book chapters, which have been cited over 5000 times. "*Patently Non-Obvious*" was selected as one of the top intellectual property law articles of 2006 and identified in 2014 as one of the most cited patent law articles of the prior decade. "*A Nonobvious Comparison*" was selected as one of the top intellectual property law articles of 2016 and "*Another Missed Opportunity*" was selected as one of the top patent articles of 2008. Experimental studies have been quoted and cited by the Federal Circuit and before the United States Supreme Court. Ranked as one of the top 250 downloaded law authors by the Social Science Research Network (SSRN), with over 30,000 downloads.

ARTICLES

1. *Debunking Intellectual Property Myths: Cross-Cultural Experiments on Perceptions of Property*, 2020 B.Y.U. L. REV. 219 (2020) (lead author, with A. Fast & K. Olson). Presented at Columbia University, Tsinghua University, Singapore Management University, and other schools. Ranked as a Top Ten SSRN download for Property, Intellectual Property, Empirical, China Law, and Foreign Relations lists.
2. *Measure for Measure: The Risks of Incorporating Citations Data into U.S. News Rankings*, 60 JURIMETRICS J. 69 (2019) (commentary). Ranked as a Top Ten SSRN download for The Legal Profession, Legal Education, Data Science & Analytics, Legal Information Scholarship, and Legal Information & Technology lists.
3. *What Causes Polarization on IP Policy?*, 52 U.C. DAVIS L. REV. 1193 (2018) (with M. Wittlin & L. Ouellette). Ranked as a Top Ten SSRN download for Intellectual Property, Law & Society, and other lists.
4. *The Role of Public Perception in the Rule of Law*, 11 TSINGHUA CHINA L. REV. 1 (2018) (symposium). Ranked as a Top Ten SSRN download for Empirical Studies, International Intellectual Property, Chinese Law, and Rule of Law lists.
5. *Institutional Fracture in Intellectual Property Law: The Supreme Court Versus Congress*, 102 MINN. L. REV. 803 (2017). Presented at NYU Law School, University of Washington School of Law, and Yunnan University Law School. Ranked as a Top Ten SSRN download for IP Empirical Studies.
6. *A Nonobvious Comparison: Nonobviousness Decisions at the PTAB and in the Federal Courts*, 49 INTELL. PROP. L. REV. 225 (2017) (*reprinted from* 24 TEX. INTELL. PROP. L.J. 403 (2016) as one of the best intellectual property law articles of 2016).
7. *Intuitive Intellectual Property Law: A Nationally-Representative Test of the Plagiarism Fallacy*, 12 PLOS ONE e0184315 (2017) (with A. Fast & K. Olson).
8. *What is IP for? Experiments in Lay and Expert Perceptions*, 90 ST. JOHNS L. REV. 659 (2016) (symposium). Presented at St. John's Law School. Ranked as a Top Ten SSRN download for Intellectual Property, Patent, Copyright, Empirical Studies, Experimental Studies, Law & Psychology, and other lists.
9. *Experimental Investigations on the Basis for Intellectual Property Rights*, 40 LAW & HUM. BEHAV. 458 (2016) (with A. Fast & K. Olson).
10. *A Nonobvious Comparison: Nonobviousness Decisions at the PTAB and in the Federal Courts*, 24 TEX. INTELL. PROP. L.J. 403 (2016) (symposium). Presented at the University of Texas School of Law. Ranked as a Top Ten SSRN download for IP Empirical Studies and the Law & Cognition lists. Selected by Thomson Reuters (West) as one of the best intellectual property law articles of 2016.

11. *Innovation Rewards: Towards Solving the Twin Market Failures of Public Goods*, 18 VAND. J. ENT. & TECH. L. 303 (2016) (symposium). Presented at Vanderbilt Law School, the International Atlantic Economic Society, Arizona State University, and Bar-Ilan University.

12. *Intellectual Property Law's Plagiarism Fallacy*, 2015 B.Y.U. L. REV. 915 (2016) (lead author, with K. Olson & A. Fast). Presented at the U.S. Patent & Trademark Office, BYU Law School, and the American Psychology-Law Annual Meeting. Ranked as a Top Ten SSRN download for Copyright Law, Patent Law, Empirical Studies, and other lists.

13. *The Public Perception of Intellectual Property*, 66 FLA. L. REV. 261 (2014). Presented at Stanford Law School, NYU Law School, and the American Psychology-Law Society Annual Meeting. Ranked as a Top Ten SSRN download for the Intellectual Property, Innovation Policy, Law & Economics, Psychology of Innovation, Experimental Studies, Empirical Studies, and other lists.

14. *The Living Regulatory Challenges of Synthetic Biology*, 100 IOWA L. REV. 155 (2014) (lead author, with G. Marchant). Ranked as a Top Ten SSRN download for the Environmental Law, Public Health, and other lists.

15. *Leveraging the International Economy of Intellectual Property*, 75 OHIO ST. L.J. 733 (2014). Presented at the Institute for Prospective Technological Studies of the European Commission and at the International Intellectual Property Law Association Annual Conference. Ranked as a Top Ten SSRN download for the International Intellectual Property, Intellectual Property: Empirical Studies, Economics of Innovation, and other lists.

16. *Proxy Signals: Capturing Private Information for Public Benefit*, 90 WASH. U. L. REV. 1 (2012). Presented at Berkeley Law School, Penn Law School, the Boston IP Colloquium, and the Philadelphia Cyberlaw Colloquium. Ranked as a Top Ten SSRN download for the Innovations & Intellectual Property Law and Empirical Intellectual Property lists.

17. *The Polarizing Impact of Science Literacy and Numeracy on Perceived Climate Change Risks*, 2 NATURE CLIMATE CHANGE 732 (2012) (with D. Kahan, E. Peters, D. Braman, P. Slovic, M. Wittlin, & L. Ouellette). Ranked as the second most downloaded article on SSRN for a two-month period and on numerous SSRN Top Ten lists.

18. *Intellectual Property and the Biological Sciences*, 2007 JUDICIAL CONFERENCE OF THE SECOND CIRCUIT OF THE UNITED STATES, 278 F.R.D. 201, 287 (2012) (symposium).

19. *To Promote the Creative Progress: Intellectual Property Law and the Psychology of Creativity*, 86 NOTRE DAME L. REV. 1999 (2011). Presented at Penn Law School, Notre Dame Law School, and the American Psychology-Law Society annual meeting. Ranked as a Top Ten SSRN download for the Intellectual Property, Patent Law, Copyright Law, Law & Psychology, and other lists.

20. *Left Brain v. Right Brain: Competing Conceptions of Creativity in Intellectual Property Law*, 44 UC DAVIS L. REV. 283 (2010). Presented at Stanford, Georgetown, Minnesota, and other law schools. Ranked as a Top Ten SSRN download for the Intellectual Property, Law & Psychology, and Cognition & Culture lists.

21. *Regulating Emerging Technologies*, 1 LAW, INNOVATION, & TECH. 75 (2009) (peer reviewed). Selected through peer review for inaugural issue of new European law and technology journal. Presented at Stanford and other law schools. Ranked as a Top Ten SSRN download for the Public Administration and Environmental & Natural Resources lists. Thompson-West.

    22. Excerpted in LAW AND TECHNOLOGIES OF THE 21ST CENTURY (Roger Brownsword and Morag Goodwin eds, 2012).

23. *Another Missed Opportunity: The Supreme Court's Failure to Define Non-Obvious or Combat Hindsight Bias in KSR v. Teleflex*, 1 PATENT L. REV. 17 (2009) (*reprinted from* 12 LEWIS & CLARK L. REV. 323 (2008) as one of the top patent law articles of 2008).

24. *Nanotechnology Governance,* 59 ALA. L. REV. 1323 (2008). Presented at multiple law schools and to multiple bar associations. Ranked as a Top Ten SSRN download for the Risk, Regulation, & Governance; Public Policy; and Bureaucracies & Public Administration lists.

25. *The Non-Obvious Problem: How the Indeterminate Non-Obvious Standard Produces Excessive Patent Grants,* 42 UC DAVIS L. REV. 57 (2008). Presented at American University Washington College of Law and at the Microsoft—Lewis & Clark Law School Business Forum.

26. *Another Missed Opportunity: The Supreme Court's Failure to Define Non-Obvious or Combat Hindsight Bias in KSR v. Teleflex*, 12 LEWIS & CLARK L. REV. 323 (2008) (symposium). Selected as one of the top Patent Law articles of 2008 by Thompson-West.

27. *When to Open Infrastructure Access,* 35 ECOLOGY L.Q. 205 (2008) (symposium). Presented at Law and Society in the 21st Century, Humboldt University, Berlin. Ranked as a Top Ten SSRN download for the Information Systems list.

28. *Patently Non-Obvious II: Experimental Study on the Hindsight Bias Issue before the Supreme Court in KSR v. Teleflex*, 9 YALE J. L. & TECH. 1 (2007). Presented at Berkeley, University of Texas, University of Arizona, and other law schools.

29. *History Lessons for a General Theory of Law and Technology*, 8 MINN. J.L., SCI., & TECH. 551 (2007) (symposium). Ranked as a Top Ten SSRN download for the Law, Politics & Courts and Political Institutions lists.

30. *Patently Non-Obvious: Empirical Demonstration that the Hindsight Bias Renders Patent Decisions Irrational,* 39 INTELL. PROP. L. REV. 27 (2007) (*reprinted from* 67 OHIO ST. L.J. 1391 (2006) as one of the best intellectual property law articles of 2006).

31. *Cost-Benefit Analysis versus the Precautionary Principle: Beyond Cass Sunstein's Laws of Fear*, 2006 UNIV. OF ILL. L. REV. 1037 (2006) (essay) (lead author, with J. Gathii).

32. *Patently Non-Obvious: Empirical Demonstration that the Hindsight Bias Renders Patent Decisions Irrational,* 67 OHIO ST. L.J. 1391 (2006). Selected as one of the top Intellectual Property articles of 2006 by Thompson-West and identified as one of the 20 most-cited Patent Law articles of the decade in a 2014 study. Presented at the Federal Circuit Judicial Conference and the Katz Foundation Lecture.

    - Quoted and cited in *In re Cyclobenzaprine Hydrochloride Extended-Release Capsule Patent Litigation*, 676 F. 3d 1063, 1079 (Fed. Cir. 2012).

33. *The Generic Biologics Debate: Industry's Unintended Admission that Biotech Patents Fail Enablement,* 11 VA. J. L. & TECH. 8 (2006). Presented at multiple law schools. Ranked as a Top Ten SSRN download for the Patent Law list.

34. *New Frontiers: The Future of Biotechnology Litigation and Adjudication*, 23 PACE ENVT'L L. REV. 83 (2005/2006) (symposium). Symposium contribution based on invited presentation at United Nations Environmental Programme Symposium: The Judiciary and Environmental Law.

35. *Promoting Environmental Innovation with Intellectual Property Innovation: A New Basis for Patent Rewards*, 5 ICFAI J. OF INTELL. PROP. RIGHTS 12 (2006) (*reprinted from* 24 TEMP. ENVT'L L. & TECH. J. 51 (2005)).

36. *Toward Rational Regulation of Genetically Modified Food*, 4 SANTA CLARA J. INT'L L. 21 (2006) (symposium).

37. *Technology Wars: The Failure of Democratic Discourse*, 11 MICH. TELECOMM. TECH. L. REV. 117 (2005). Presented at Cornell and other law schools.

38. *Promoting Environmental Innovation with Intellectual Property Innovation: A New Basis for Patent Rewards*, 24 TEMP. ENVT'L L. & TECH. J. 51 (2005) (symposium). Presented at Temple Law School, Cardozo School of Law, and Syracuse Law School.

39. *Gaps, Inexperience, Inconsistencies, and Overlaps: Crisis in the Regulation of Genetically Modified Plants and Animals*, 45 WM. & MARY L. REV. 2167 (2004). Ranked as a Top Ten SSRN download for the Administrative Law, Environmental Economics, Environmental Law & Policy, Health Law & Policy, and Regulation lists.

    - Excerpt reprinted in Roger Findley et al., CASES AND MATERIALS ON ENVIRONMENTAL LAW 962-68 (7th ed. 2006).

40. *Confidence-Building Measures for Genetically Modified Products: Stakeholder Teamwork on Regulatory Proposals*, 44 JURIMETRICS J. 41 (2003) (symposium). Peer reviewed publication.

41. *Toward a Better Decisionmaking Process: Finding the Truth in Policy and Removing False Science*, 15 TEMP. ENVT'L L. & TECH. J. 65 (1996) (comment).

BOOK CHAPTERS

42. *The Psychology of Intellectual Property*, *in* HANDBOOK ON INTELLECTUAL PROPERTY RESEARCH: LENSES, METHODS, & PERSPECTIVES (I. Calboli & L. Montagnani eds., Oxford University Press 2021)

43. *How People Understand IP, Creativity, and Reward*, *in* RESEARCH HANDBOOK ON INTELLECTUAL PROPERTY AND CREATIVE INDUSTRIES (A. Brown & C. Waelde eds., Edward Elgar 2018)

44. *Legal Evolution in Response to Technological Change*, *in* THE OXFORD HANDBOOK OF THE LAW AND REGULATION OF TECHNOLOGY (R. Brownsword, E. Scotford, & K. Yeung eds., Oxford University Press 2017)

45. *Intellectual Property: Does the Law Influence Creativity?*, *in* THE CAMBRIDGE HANDBOOK OF CREATIVITY ACROSS DOMAINS (J. Kaufman, V. Glaveanu, & J. Baer eds., Cambridge University Press 2017)

46. *Emerging Technology Governance*, *in* INNOVATIVE GOVERNANCE MODELS FOR EMERGING TECHNOLOGIES (G. Marchant, K. Abbott, & B. Allenby eds. 2014)

47. *Evolving Technology Regulation: Governance at a Temporal Distance*, in BRIDGING DISTANCES IN TECHNOLOGY AND REGULATION (R. Leenes & E. Kosta eds. 2013) (lead author, with G. Marchant)

48. *Promoting Environmental Innovation with Intellectual Property Innovation: A New Basis for Patent Rewards*, in LAW AND ECONOMICS OF INNOVATION (Eli M. Salzberger ed. 2012) (*reprinted from* 24 TEMP. ENVT'L L. & TECH. J. 51 (2005))

49. *Regulating Nanotechnology through Intellectual Property Rights*, *in* INTERNATIONAL HANDBOOK ON REGULATING NANOTECHNOLOGIES (G. Hodge, D. Bowman, & A. Maynard eds. 2010)

50. *California*, *in* BROWNFIELDS: A COMPREHENSIVE GUIDE TO REDEVELOPING CONTAMINATED PROPERTY (Todd S. Davis & Scott Sherman ed., Am. Bar Assoc. 3d ed. 2010) (with S. Kray & J. Kroesche)

51. *Thomas Edison's Patent Application for the Incandescent Light Bulb*, in MILESTONE DOCUMENTS IN AMERICAN HISTORY (Paul Finkelman ed., 2008)

52. *History Lessons for a General Theory of Law and Technology*, in LAW AND TECHNOLOGY: AN INTERFACE (K.P. Rani ed. 2008) (reprinting 8 MINN. J.L., SCI., & TECH. 551 (2007))
53. *New Frontiers: The Future of Biotechnology Litigation and Adjudication*, in BIOTECHNOLOGY: A LEGAL APPROACH (N. Sudarshan ed. 2008) (reprinting 23 PACE ENVT'L L. REV. 83 (2005/2006))
54. *Limits of Agricultural Economics for Agricultural Biotechnology*, *in* FOCUS ON AGRICULTURAL ECONOMICS (Ami R. Bellows ed., 2006)
55. *California*, *in* BROWNFIELDS: A COMPREHENSIVE GUIDE TO REDEVELOPING CONTAMINATED PROPERTY (Todd S. Davis ed., Am. Bar Assoc. 2d ed. 2002) (with J. Kroesche)

SCIENTIFIC SCHOLARSHIP

56. *Rotation Periods for Seven Stars in the Trapezium Cluster*, 383 THE ASTRONOMICAL JOURNAL, L75-L78 (1991) (lead author, with W. Herbst)
57. *Rotation Periods for Seven Stars in the Trapezium Cluster,* 24 BULLETIN AMERICAN ASTRONOMICAL SOCIETY 688 (1992) (lead author, with W. Herbst)
58. *CCD Photometry at Wesleyan College*, 21 J. AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS 15 (1992) (co-author)
59. STAR VARIATION IN THE ORION NEBULA, Undergraduate Honors Thesis, Wesleyan University, May 1991

BAR, PRACTITIONER, AND MEDIA PUBLICATIONS

- *Remarks Given at Temple Law Review Alumni Reception,* 90 TEMP. L. REV. S87 (2018).
- *Intellectual Property Law's Plagiarism Fallacy*, Temple 10-Q, Aug. 21, 2015
- *Patents: Will America Reinvent Itself? Patent Reform in 2011*, BUSINESS LAW TODAY, Aug. 18, 2011
- *Will America Reinvent Itself? The Patent Pendulum and Patent Reform in 2011*, TEMP. L. REV. ONLINE F., Jul 13, 2011
- *Petition for a Writ of Certiorari in Line Rothman & Glamourmom LLC v. Target Corp. et al.,* U.S. Supreme Court, No. 09-___ (of counsel)
- *Substantial Equivalence*, in ENCYCLOPEDIA OF ENVIRONMENTAL ETHICS AND PHILOSOPHY (J. Baird Callicott & Robert Frodeman eds. 2009)
- *Does Hindsight Bias Affect Obviousness Rulings?*, Feature Article, NAT'L L. J., Aug. 18, 2008
- *Brief of Business and Law Professors as Amici Curiae in Support of the Respondents*, in *KSR Int'l Co. v. Teleflex Inc*., U.S. Supreme Court, No. 04-1350 (with M. Lemley, R.P. Wagner, F.S. Kieff, & C. Cotropia)
- *EMS/Innovative Regulatory Approaches*, *in* AMERICAN BAR ASSOCIATION, SECTION OF ENVIRONMENT, ENERGY, AND RESOURCES, NANOTECHNOLOGY PROJECT (2006) (co-author)
- *Identity Theft Prevention Needed*, Albany Times Union, Feb. 27, 2005 (lead author, with A. Harrington)
- *Patent Primer–Patent Law for the Non-patent Attorney*, *in* BRIDGING-THE-GAP: INTELLECTUAL PROPERTY, New York State Bar Association (2004)
- *Sustainable Development is Our Duty to Future Generations*, Albany Times Union, Nov. 17, 2002
- *Environmental Progress in State Must Continue*, Albany Times Union, Apr. 7, 2002 (with D. Markell)
- *Genetically Modified Food and Drugs*, Albany Law School Magazine, Fall/Winter 2001
- *A Giant Step Backward For Asylum Law*, St. Petersburg Times, July 22, 1999 (with J. Kroesche)

PRESENTATIONS

Nearly 200 presentations in 25 countries, including for the United Nations, Second and Federal Circuits, Environmental Protection Agency, American Bar Association, American Psychology Association, National Academy of Sciences, Patent and Trademark Office, and European Commission.

1. *Cybersecurity in Higher Education: Protecting Data, Privacy, and Reputation*, Artificial Intelligence and Legal Education, International Association of Law Schools Annual Meeting, Chulalongkorn University, Bangkok (2025)
2. *NASA – Helios Open Scholarship Leadership Workshop*, participant, Florida International University (2024)
3. *The Hindsight Bias in Patent Law*, National Law School of India University (2024)
4. *Intellectual Property, Economic Policy, and Trade in the Digital Age,* Exchange Conference on the Frontiers of Intellectual Property Development, Yingke Law Firm, Beijing (2024)
5. Intellectual Property, Economic Policy, and Trade in the Digital Age, Globe-Law, Beijing (2024)
6. *Plenary Fireside Chat: Trade, Development, and Innovation: How Should We Rethink Intellectual Property for the Digital Age*, IP & Innovation Researchers of Asia Conference, Foreign Trade University, Hanoi (2024)
7. *Intellectual Property Theory*, panel chair, IP & Innovation Researchers of Asia Conference, Foreign Trade University, Hanoi (2024)
8. *Cross-Cultural Perceptions of Intellectual Property* Rights, keynote, Regime Evolution and Paradigm Shift: New Frontiers of International Intellectual Property, Shandong University Law School, Qingtao (2023)
9. *Intellectual Property and Cutting-Edge Technologies*, panel discussant, Regime Evolution and Paradigm Shift: New Frontiers of International Intellectual Property, Shandong University Law School, Qingtao (2023)
10. U*.S. Senator Robert P. Casey, Jr.'s Higher Education Roundtable*, U.S. Capitol, Washington D.C. (2022)
11. *Law Careers: Snapshot and Retrospective*, Stanford Law School (2022)
12. *The Politicization of the Supreme Court,* panel moderator, Politics, the Supreme Court, and Democracy Series, Temple University (2022)
13. *Digital Copyright*, panel chair, IP & Innovation Researchers of Asia Conference (online) (2021)
14. *The Impact of "Impact" in IP Scholarship: Citations, Downloads and Why We (Should/Don't) Care*, panelist, Works in Progress in Intellectual Property Conference (online) (2021)
15. *Exploring the Decanal Interface with Different Constituencies & Stakeholders*, Panelist, Promoting Diversity in Law School Leadership Workshop, Villanova School of Law (2021)
16. *Intellectual Property, Artificial Intelligence, and Technology*, panel chair, IP & Innovation Researchers of Asia Conference, Universitas Indonesia Faculty of Law, Jakarta (2020)
17. *A Brief History of the Search for the Truth through Legal Research Methodologies*, IP Researchers Workshop, Universitas Indonesia Faculty of Law, Jakarta (2020)
18. *A Tribute to Justice Ruth Bader Ginsburg*, panelist, Temple Law School (remote) (2020)
19. *Before Law School: Admissions During Covid-19*, panelist, Reimagining & Transforming the Future of Law Schools and Legal Education: Confluence of Ideas During & Beyond COVID-19, Jindal Global Law School (online) (2020)
20. *Shaping Global Legal Practice in Japan and the United States*, panelist, Temple University Japan, Tokyo (2019)
21. *A Brief History of the Search for the Truth (in Law)*, IP Researchers Workshop, International Islamic University Kulliyyah of Laws, Kuala Lumpur (2019)
22. *The Role of Public Perception in the Rule of Law: Experiments on Cross-Cultural Attitudes Towards Property and Intellectual Property*, IP & Innovation Researchers of Asia Conference, International Islamic University Kulliyyah of Laws, Kuala Lumpur (2019)
23. *Artificial Intelligence, 3D Printing, and Innovation*, panel chair, IP & Innovation Researchers of Asia Conference, International Islamic University Kulliyyah of Laws, Kuala Lumpur (2019)

24. *Deciding to Become a Dean*, Panelist, Promoting Diversity in Law School Leadership Workshop, Villanova School of Law (2019)
25. *Patently Non-Obvious: Experimental Studies on the Hindsight Bias*, moderator and panelist, Federal Circuit Judicial Conference, Federal Circuit Court of Appeals, Washington, D.C. (2018)
26. *Reducing Rhetoric - Strategies for Dispelling IP Myths*, Panelist, IP Awareness Summit, Columbia University (2018)
27. *The Role of Public Perception in the Rule of Law: Experiments on Chinese and American Attitudes Towards Property and Intellectual Property*, Tsinghua World Forum on the Rule of Law, Tsinghua University, Beijing (2018)
28. *Dean's Roundtable: New Concepts in Global Legal Education*, Panelist, Tsinghua World Forum on the Rule of Law, Tsinghua University, Beijing (2018)
29. *The Role of Public Perception in the Rule of Law: Chinese and American Attitudes Towards Property and Intellectual Property*, Beijing Lawyers Association, Beijing (2018)
30. Keynote address, *Conflict Among the Branches: The Supreme Court, Congress, and IP Law*, Pennsylvania Bar Institute Intellectual Property Law Annual Conference, Philadelphia (2018)
31. *Debunking Intellectual Property Myths: Cross-Cultural Experiments on Perceptions of Property*, IP Scholars Asia Conference, Singapore Management University, Singapore (2018)
32. *Intellectual Property and Open Innovation*, panel chair, IP Scholars Asia Conference, Singapore Management University, Singapore (2018)
33. Panelist, *Intellectual Property Research and Teaching*, IP Scholars Asia Conference, Singapore Management University, Singapore (2018)
34. *The Role of Public Perception in the Rule of Law: Experiments on Chinese and American Attitudes Towards Property and Intellectual Property*, Globalization of the Rule of Law, Tsinghua China Law Review, Beijing (2018)
35. *Debunking Intellectual Property Myths: Cross-Cultural Experiments on Perceptions of Property*, DHH Law Firm Symposium on Sino-US Intellectual Property, Beijing (2018)
36. *Patently Non-Obvious: Experimental Studies on the Hindsight Bias in Patent Law*, Zurich IP Retreat 2017, ETH Zurich, Zurich (2017)
37. *Legal Evolution in Response to Technological Change*, Centre for Technology, Ethics, Law & Society, King's College London, London (2017)
38. *The Psychological Underpinnings of Intellectual Property Law*, Law and Society Annual Meeting, Mexico City (2017)
39. Panelist, *Chancellor's Forum With the Law School Deans*, Philadelphia Bar Association (2017)
40. *What is IP for? Experiments in Lay and Expert Perceptions*, Manzo Intellectual Property Scholar Series, DePaul Law School (2017)
41. Commentator, *Fairness, Efficiency, and Distributive Justice,* The Psychology and Sociology of Creativity and IP Roundtable, Stanford Law School (2016)
42. *Nonobviousness Decisions at the PTAB*, Patent and Trademark Office Proceedings Symposium, University of Texas School of Law (2016)
43. *Congress versus the Supreme Court: Intellectual Property Conflict and Majoritarian Democracy*, Tri-State Region IP Workshop, NYU School of Law (2016)
44. *Intellectual Property Systems for Developing Countries*, Law and Society in Africa, University of Cape Town Centre for Law and Society, Cape Town (2016)
45. *Congress v. The Supreme Court: Intellectual Property Conflict and Majoritarian Democracy*, Works-in-Progress Intellectual Property Colloquium, University of Washington School of Law (2016)
46. Commentator, Kathryn Bi & Matthew Kugler, *Bifurcation and Information Isolation in Patent Trials*, Roundtable on Empirical Methods in Intellectual Property, U.S. Patent & Trademark Office (2016)
47. *What is Intellectual Property For?: Experiments in Lay and Expert Perceptions*, Values, Questions, & Methods in Intellectual Property Symposium, St. John's Law School (2016)

48. *The Psychology of Intellectual Property: Experiments in Lay and Expert Perceptions*, IAABR International Multidisciplinary Academic Conference (2016)
49. *Online Video Distribution: A Discussion of the Regulatory & Copyright Issues*, panel moderator, Copyright Society of the USA & Federal Communications Bar Association (2016)
50. *U.S. News Law School Programs Ranking*, Rankings Retreat, Temple University (2016)
51. *Innovation Rewards in Public Goods*, Beyond Regulation: The U.S. Government as a Funder, Creator, and User of Intellectual Property, Vanderbilt Journal of Entertainment & Technology Law Symposium, Vanderbilt Law School (2015)
52. *Intellectual Property Law's Plagiarism Fallacy*, Works-in-Progress Intellectual Property Colloquium, U.S. Patent & Trademark Office (2015)
53. *Intellectual Property Law's Plagiarism Fallacy*, Law and Entrepreneurship Colloquium, Brigham Young University Law School (2015)
54. *Innovation Rewards in Public Goods*, Governance of Emerging Technologies: Law, Policy, and Ethics, Arizona State University (2015)
55. *Intellectual Property Law's Plagiarism Fallacy*, American Psychological Association's Psychology-Law Annual Meeting, San Diego (2015)
56. *U.S. Intellectual Property Battles: Congress Versus the Supreme Court*, Yunnan University Law School, Kunming, China (2015)
57. *SCOTUS Year in Review: Texas Department of Housing v. Inclusive Communities Project*, American Constitution Society, Temple Law School (2015)
58. *Leveraging the International Economy of Intellectual Property*, International Intellectual Property Law Association Annual Conference, Dubai, United Arab Emirates (2015)
59. Empirical IP Research Conference, Participant, Empirical Center on Innovation Law & Policy, NYU School of Law (2014)
60. *Leveraging the International Economy of Intellectual Property*, Institute for Prospective Technological Studies of the European Commission, Seville (2014)
61. *Evolution and Revolution in U.S. Intellectual Property Law*, Recent Developments in U.S. Business-Related Law, Temple University Japan, Tokyo (2014)
62. *Evolution and Revolution in U.S. Intellectual Property Law*, Recent Developments in U.S. Business-Related Law, Chaoyang District Lawyers' Association, Beijing (2014)
63. Discussant, *How Copyright Makes Books and Music Disappear*, 8th Annual Conference on Empirical Legal Studies, Penn Law School (2013)
64. *The Public Psychology of Intellectual Property Rights,* Intellectual Property Speaker Series, George Washington Law School (2013)
65. *The Public Psychology of Intellectual Property,* IP Scholars' Roundtable, University of New Hampshire School of Law (2013)
66. *The Psychology of Intellectual Property,* Friel-Scanlan Lecture, Temple Law School (2013)
67. *Innovation Rewards: Towards Solving the Twin Market Failures of Environmental Innovation*, International Atlantic Economic Society Conference, Philadelphia (2013)
68. Discussant, *What's a Name Worth?: Experimental Tests of the Value of Attribution in Intellectual Property*, Law and Economics of Digital Markets Research Roundtable, Searle Center, Northwestern Law School (2013)
69. *Innovation Rewards: Towards Solving the Twin Market Failures of Environmental Innovation*, Society for Environmental Law and Economics Annual Meeting, Bar Ilan University, Israel (2013)
70. *The Public Psychology of Intellectual Property Rights,* Tri-State IP Workshop, NYU School of Law (2013)
71. Commentator, Irina Manta, *The High Cost of Low Sanctions,* Tri-State IP Workshop, NYU School of Law (2013)
72. *Evolving Technology Regulation: Governance at a Temporal Distance*, TILTing Perspectives 2013: Bridging Distances in Technology & Regulation, Tilburg University, Netherlands (2013)

73. *The International Political Economy of Intellectual Property*, Works in Progress in Intellectual Property, Seton Hall School of Law (2013)
74. *The Public Psychology of Intellectual Property Rights*, Mid-Atlantic Patents Works-in-Progress Conference, American University—Washington College of Law (2012)
75. *The Public Psychology of Intellectual Property Rights,* Intellectual Property Scholars Conference, Stanford Law School (2012)
76. *Regulation and Regulatory Gaps in GMO Agriculture*, Genetically Modified Organisms: Law and the Global Market Symposium, University of Idaho College of Law, Boise (2012)
77. *Perception versus Law in Intellectual Property Ownership*, American Psychological Association's Psychology-Law Annual Meeting, San Juan, Puerto Rico (2012)
78. *Pacing Governance with Technology*, Workshop Participant, Center for Law, Science, & Innovation, Arizona State College of Law (2012)
79. *Soft Law Governance Workshop*, Workshop Participant, Center for Law, Science, & Innovation, Arizona State College of Law (2012)
80. *Managing the Risks of Synthetic Biology: Microbes Engineered for Chemical Production and Bioremediation*, Assessing the Federal Regulatory Framework for Synthetic Biology Products, J. Craig Venter Institute, Rockville, MD (2012)
81. *Proxy Signals in Patent Law*, The Future of Patent Law, University of San Diego School of Law (2012)
82. *Emerging Technology Governance*, Natural Resources Law & Policy Workshop, Stanford Law School (2011)
83. *When Stealing is Not an Offense: The Lack of Nondisclosure Agreements in Private Equity*, International Business Law Conference 2011: Law and Private Equity Investments, Regents Business School, London (2011)
84. *The Challenge of IP Valuation in Private Equity Investing*, International Business Law Conference 2011: Law and Private Equity Investments, Regents Business School, London (2011)
85. *Patent Law in the 21st Century*, Southeastern Association of Law Schools Annual Conference, Hilton Head (2011)
86. *To Promote the Creative Progress: Intellectual Property Law and Psychology of Creativity*, Innovation and Economic Growth Conference, Gruter Institute for Law and Behavior Research, Squaw Valley (2011)
87. *Recent Legal Developments Impacting Biopharmaceutical Medicines*, panel moderator, Access to Essential Medicines, Biotechnology Patents, and Global Cooperation, Temple Law School (2011)
88. *To Promote the Creative Progress: Intellectual Property Law and Psychology of Creativity*, American Psychological Association's Psychology-Law Annual Meeting, Miami (2011)
89. *Proxy Signals*, Cyberlaw Colloquium, Rutgers School of Law, Camden (2011)
90. Keynote Address, *Scholarly Development*, Northeast Regional Scholarship and Teaching Development Workshop, Albany Law School (2011)
91. *To Promote the Creative Progress: Intellectual Property Law and Psychology of Creativity*, Law and the Brain Lecture Series, University of Pennsylvania Law School (2011)
92. *Creativity and Creation in Intellectual Property Law*, panel moderator, American Association of Law Schools Annual Meeting, San Francisco (2011)
93. Keynote Address, *Industry Advocacy and Optimal Intellectual Property Law*, The Latest Developments in IP Law, Suffolk Law School (2011)
94. *Proxy Signals*, Boston Intellectual Property Colloquium, Suffolk Law School (2011)
95. *To Promote the Creative Progress: Intellectual Property Law and Psychology of Creativity*, Creativity and the Law Symposium, University of Notre Dame Law School (2010)
96. *Left Brain v. Right Brain: Competing Conceptions of Creativity in Intellectual Property Law*, China University of Politics and Law, Beijing (2010)
97. *Private Signals: A New Law and Economics Approach to Optimizing Intellectual Property Rights*, Center for Technology, Innovation, and Competition Workshop Series, University of Pennsylvania Law School (2010)

98. Commencement Address, Temple-Tsinghua LL.M. Program Commencement, Tsinghua University, Beijing (2010)
99. *Optimizing Intellectual Property Rights: A New View of the Law and Economics Cathedral,* Intellectual Property Scholars Conference, Berkeley School of Law (2010)
100. *Innovative Governance of Nanotechnologies: A Legal Perspective*, Regulation in the Age of Crisis, European Consortium for Political Research, Dublin (2010)
101. *Left Brain v. Right Brain: Competing Conceptions of Creativity in Intellectual Property Law*, Chicago Intellectual Property Colloquium, Chicago-Kent Law School (2010)
102. *International Issues in Generic Pharmaceuticals*, Patent Law, Globalization, and Changing Technology, University of Pennsylvania Law School (2010)
103. *Left Brain v. Right Brain: Competing Conceptions of Creativity in Intellectual Property Law*, Association for Law, Property, & Society Annual Meeting, Georgetown Law School (2010)
104. Commentator, *Resisting New Technologies,* Queen's University Faculty of Law conference on Human Autonomy, Law, & Technology, in Second Life (2010)
105. *Intellectual Property Rights and Green Technology,* presenter and panel moderator, The Greening of Intellectual Property, Temple Law School (2010)
106. Commentator, Gregory Mitchell, *Beyond Context: Social Facts as Case-Specific Evidence*, Temple Law School (2010)
107. Commentator, Brandon Bartels, *Awareness, Ideology, and Public Perceptions of the Supreme Court*, Temple Law School (2010)
108. *Left Brain v. Right Brain: Competing Conceptions of Creativity in Intellectual Property Law*, William and Mary Law School (2009)
109. *Regulating Emerging Technologies,* Committee on Science, Technology, and Law, National Academy of Science, Washington, D.C. (2009)
110. *Left Brain v. Right Brain: Competing Conceptions of Creativity in Intellectual Property Law*, University of Iowa Law School (2009)
111. *Left Brain v. Right Brain: Competing Conceptions of Creativity in Intellectual Property Law*, University of Minnesota Law School (2009)
112. *Patently Nonobvious: The Impact of Hindsight Bias on Patent Decisions*, The Katz Foundation Lecture, IPIL, University of Houston Law Center (2009)
113. *Left Brain v. Right Brain: Competing Conceptions of Creativity in Intellectual Property Law*, Center for Law, Science, & Technology, Arizona State Law School (2009)
114. *Nanotechnology Governance*, Do Good Things Really Come in Small Packages?, New York City Bar Association (2009)
115. *Should Genes be Patented?*, Panelist, Intellectual Property Research Institute of Australia, University of Melbourne Law School, Melbourne, Australia (2009)
116. *Patently Non-Obvious: Empirical Studies on the Hindsight Bias and KSR v. Teleflex*, University of Canterbury Faculty of Law, Christchurch, New Zealand (2009)
117. *Patently Non-Obvious: Empirical Studies on the Hindsight Bias and KSR v. Teleflex*, Victoria University Faculty of Law, Wellington, New Zealand (2009)
118. *Regulating Emerging Technologies*, Sociology and Anthropology Colloquium, University of Canterbury, New Zealand (2009)
119. *Regulating Emerging Technologies*, Tilting Perspectives on Regulating Technologies, Tilburg University, Netherlands (2008)
120. Discussant, *Disclosure and Financial Patents: Revealing the Invisible Hand*, Innovation and Intellectual Property in Financial Services, Bank of Finland and Federal Reserve Bank of Philadelphia, Helsinki (2008)
121. Commentator, Donald Braman, *The Self-Defensive Cognition of Self Defense*, Temple Law School (2008)
122. *Left Brain v. Right Brain: Competing Conceptions of Creativity in Intellectual Property Law*, Intellectual Property Speaker Series, George Washington Law School (2008)

123. *Nanotechnology Governance*, Philadelphia Bar Association—Environmental and Toxic Tort Committee Speaker Series (2008)
124. *Left Brain v. Right Brain: Competing Conceptions of Creativity in Intellectual Property Law,* Intellectual Property Scholars Conference, Stanford Law School (2008)
125. *Towards Reconciliation in Technology Wars,* Law and Society Association Annual Meeting, Montreal (2008)
126. *Left Brain v. Right Brain: Competing Conceptions of Creativity in Intellectual Property Law,* Law and Society Association Annual Meeting, Montreal (2008)
127. Conference Co-Chair, 4th Annual Forum on Polymorphism and Patenting, International Quality and Productivity Center, Frankfurt (2008)
128. *U.S. Non-Obvious Decisions and their Impact on Pharmaceutical Patenting,* 4th Annual Forum on Polymorphism and Patenting, International Quality and Productivity Center, Frankfurt (2008)
129. *Cultural Cognition of Genetically Modified Organisms*, Intellectual Property, Biotechnology, and Agricultural Sciences, Intellectual Property Law Center at Drake University (2008)
130. *Patent Trolls: Are they Down for the Count*, panel moderator, 23rd Annual Intellectual Property Law Conference, American Bar Association, Washington, D.C. (2008)
131. *The Future of Patent Law*, Panelist, 23rd Annual Intellectual Property Law Conference, American Bar Association, Washington, D.C. (2008)
132. *Left Brain v. Right Brain: Conflicting Conceptions of Creativity in Intellectual Property Law,* Temple Law School Faculty Workshop (2008)
133. *Conference Fellow Comments*, Symposium on Patent Failure: How Judges, Bureaucrats, and Lawyers Put Innovation at Risk, University of Georgia Law School (2008)
134. *Cultural Relics, Intellectual Property, and Intangible Heritage*, panel moderator, Temple Law School (2008)
135. *Nanotechnology Products*, From Pipeline to Product: Navigating the FDA Approval Process, Washington, D.C. (2007)
136. *The Non-Obvious Problem: How the Indeterminate Non-Obvious Standard Produces Excessive Patent Grants,* Nonobviousness—The Shape of Things to Come, Lewis & Clark Law School Business Forum (2007)
137. *Nanotechnology Governance*, Law, Ethics, and Life Sciences, University of Louisville—Brandeis School of Law (2007)
138. Commentator, Michael Vandenbergh, *Climate Change: The China Problem,* Temple Law School (2007)
139. *The Non-Obvious Problem,* Works in Progress in Intellectual Property, American University Washington College of Law (2007)
140. *When to Open Infrastructure Access*, Law and Society in the 21st Century, Humboldt University, Berlin (2007)
141. *Intellectual Property and the Biological Sciences*, Judicial Conference of the Second Circuit of the United States (2007)
142. *KSR v. Teleflex and the Hindsight Bias*, Special IP Focus Series, Loyola Law School (2007)
143. *Patently Non-Obvious: KSR v. Teleflex and Empirical Studies on the Hindsight Bias*, Current and Future Trends in Patent Law, Suffolk University Law School (2007)
144. *Patently Non-Obvious: KSR v. Teleflex and Empirical Studies on the Hindsight Bias in Patent Law*, 7th Annual Center for Intellectual Property Law & Information Technology Symposium: Patents and Progress, DePaul University College of Law (2007)
145. *The Generic Biologics Debate*, Follow-On Biologics: Scientific, Legal, & Policy Issues, Albany Law School (2007)
146. *Patently Non-Obvious: Empirical Studies on the Hindsight Bias in Patent Law*, University of Connecticut School of Law (2006)
147. *Patently Non-Obvious: Empirical Studies on the Hindsight Bias in Patent Law*, Temple Law School (2006)
148. *Patently Non-Obvious: Empirical Studies on the Hindsight Bias in Patent Law*, Drexel University College of Law (2006)

149. *Patently Non-Obvious: Empirical Studies on the Hindsight Bias in Patent Law*, University of Arizona College of Law (2006)
150. *Patently Non-Obvious: Empirical Demonstration that the Hindsight Bias Renders Patent Decisions Irrational*, Conference on Empirical Legal Studies, University of Texas School of Law (2006)
151. *The Supreme Court Year in Preview: KSR v. Teleflex*, Patent Law: Recent Developments and Proposals for Reform, Santa Clara School of Law (2006)
152. *Regulating Nanotechnology,* Nanotechnology 2006, Rensselaer Polytechnic Institute (2006)
153. *Patently Non-Obvious: Empirical Studies on the Hindsight Bias in Patent Law*, Intellectual Property Scholars Conference, Berkeley School of Law (2006)
154. *Innovative Regulatory Approaches for Nanotechnology*, American Bar Association, Section of Environment, Energy, and Resources presentation to the Environmental Protection Agency, Office of General Counsel, Washington, D.C. (2006)
155. *Promoting Environmental Innovation with Intellectual Property Innovation,* Syracuse Law School (2006)
156. *Catastrophic Climate Change Litigation*, panel moderator, Albany Law School (2006)
157. *Importing Pharmaceuticals from Canada and Other International Borders*, Panel Moderator, Albany Law School (2006)
158. *Additional Views on Environmental Justice and Land Use: Transportation, Public Health, and Available Resources*, panel moderator, National Academy of Public Administration & Government Law Center (2005)
159. *Biomedical Patents and Biologic Generics*, The Evolution & Reform of U.S. Patent Law, Center for Law, Technology, & Communications, Thomas Jefferson School of Law (2005)
160. *Biotechnology's Role in Food Security*, The Right to Food at the Nexus of Trade and Technology, University of Ottawa Law School (2005)
161. *Promoting Environmental Innovation with Intellectual Property Innovation,* Intellectual Property Scholars Conference, Cardozo Law School (2005)
162. *Regulating Genetically Modified Food*, The Future of Food: Legal and Ethical Challenges, High Tech Law Institute & Markkula Center for Applied Ethics, Santa Clara University School of Law (2005)
163. *Promoting Environmental Innovation with Intellectual Property Innovation*, Environmental Technology and Innovation: Partners for our Future, Temple Law School (2005)
164. *The Giving Tree: Property Rights and Natural Resources*, High Tech Law Institute & Intellectual Property Association: Biotech, Santa Clara University School of Law (2005)
165. *Legal Perspectives in Identity Theft and Privacy Interests*, Introductory Remarks, Albany Law School (2005)
166. *Sprawl: Emerging Issues and Successful Initiatives*, panel moderator, Albany Law School (2005)
167. *The Future of Biotechnology Litigation and Adjudication*, United Nations Environmental Programme Symposium: The Judiciary and Environmental Law, New York State Judicial Institute (2004)
168. *Technology Wars: The Failure of Democratic Discourse*, Nanotechnology Colloquium, Cornell Law School (2004)
169. *Patent Primer–Patent Law for the Non-patent Attorney*, Bridging-the-Gap: Intellectual Property, New York State Bar Association (2004)
170. *An Empirical Study of the Hindsight Bias in Patent Law*, Intellectual Property Scholars Conference, Center for Intellectual Property Law & Information Technology, DePaul University College of Law (2004)
171. *Confidence Building Measures to Defuse Polarized Regulatory Debates*, Center for Creative Problem Solving, California Western School of Law (2004)
172. *Regulating Pornography and the Internet: The First Amendment and Societal Perspectives*, panel moderator, Albany Law School (2004)
173. *The Role of Gender and Domestic Violence in Asylum Law*, Guest Lecturer, U.S. Refugee and Asylum Law, Albany Law School (2004)
174. *Environmental Justice: Theory and Practice, is it Working?*, panel moderator, Albany Law School (2004)
175. *Tensions Between Patent Law and Public Policy: The Medical Activity Exception & Computer-related Business Method Patenting*, Albany Law School (2003)

176. *The Hudson River–Past, Present, Future: Current and Future Challenges*, panel moderator, Albany Law School (2003)
177. *Confidence Building Measures for Genetically Modified Foods: Teamwork on Regulatory Proposals*, Center for the Study of Law, Science and Technology at Arizona State University (2002)
178. *Environmental Forum: Sustainable Development: From Rio to Johannesburg and Beyond*, panel moderator, Albany Law School (2002)
179. *United States Environmental and Natural Resources Law*, Tula Law Institute, Tula, Russia (2002)
180. *Environmental Law and Regulation in the United States*, Speech to Governmental and Business Leaders, Tula, Russia (2002)
181. *United States Environmental and Natural Resources Law*, Tula State University, Tula, Russia (2002)
182. *United States Environmental and Natural Resources Law*, Tula Pedagogical University, Tula, Russia (2002)
183. *Environmental Forum: The State of New York State's Natural Resources*, panel moderator, Albany Law School (2002)
184. *Domestic Violence Issues in Asylum Law*, Guest Lecturer, Domestic Violence Seminar, Albany Law School (2001)
185. *Genetically Modified Food and Drugs*, Pennsylvania State University–Dickinson School of Law (2000)
186. *Genetically Modified Food and Drugs*, Albany Law School (2000)
187. *Genetically Modified Food and Drugs*, Thomas Jefferson School of Law (2000)
188. *NASA Space Telescope Science Institute: The Hubble Space Telescope*, Poster Presentation, American Astronomical Society Meeting, Atlanta (1993)
189. *Rotation Periods for Seven Stars in the Trapezium Cluster*, Poster Presentation, American Astronomical Society Meeting, Tucson (1992)
190. *Star Variation in the Orion Nebula*, Northeast Consortium of Universities for Science Education Conference (1991)
191. *The Beginning of the Universe*, Northeast Consortium of Universities for Science Education Conference (1990)

RESEARCH GRANTS

- Gregory Mandel (Principal Investigator), Collaborative Research: From Ideas to Intellectual Property, National Science Foundation (parallel collaborative grant to Kristina Olson) ($113,210), Jul. 2013 – Jun. 2016
- Beasley School of Law Summer Research Grants, 2007-2016
- Albany Law School Summer Research Grants, 2001-2007

AWARDS, HONORS, & GRANTS

Named to City & State's *Pennsylvania's 2022 Law Power 100*
A Nonobvious Comparison selected as one of the top Intellectual Property articles of 2016
National Science Foundation award grant, 2013-2016
Patently Non-Obvious identified as one of the 20 most cited patent law articles of the past decade in 2014
Friel-Scanlan Award, awarded to the Temple Law School faculty member who published the best single piece of scholarship within the past two years, 2013
Selected to Peter J. Liacouras Professor of Law Chair, 2011
Nominated as a "Best Law Teacher" for "What the Best Law Teachers Do" Project, 2010
Another Missed Opportunity selected as one of the top Patent articles of 2008
Fulbright Senior Specialist Grant recipient, 2007
Patently Non-Obvious selected as one of the top Intellectual Property articles of 2006
Second highest rated professor on student evaluations, Albany Law School, 2006

Highest rated professor on student evaluations of faculty, Albany Law School, 2004
Selected for the Fulbright Senior Specialist Roster, 2002
NASA Space Telescope Science Institute Group Achievement Award, 1993
NASA Space Telescope Science Institute Individual Achievement Award, 1992
National Science Foundation Graduate Fellowship, Honorable Mention, 1991-1992

SELECTED MEDIA INTERVIEWS AND CITATION

- *A Statement of Solidarity from Dean Mandel*, Targeted News Service, Jun. 5, 2020
- *Warner Bros. crackdown puts Dark Mark over Potter festivals*, Kristen De Goot, AP News, Jun. 16, 2018 (picked up in over 40 publications internationally including The New York Times, The USA Today, and ABC News)
- *Law School Applications Increased This Year*, Ilana Kowarski, U.S. News & World Report, Jan. 29, 2018
- *Law schools considering familiar alternative to LSAT for admissions*, Jeff Blumenthal, Philadelphia Business Journal, Jan. 22, 2018
- *Social Capital interview with Gregory N. Mandel, dean of the Temple law school,* Philadelphia Business Journal, Jan. 18, 2018
- *Legal Evolution in Response to Technological Change*, The Verdict: Law & Society, Oct. 26, 2017
- *Conference Report: Zurich IP Retreat 2017 - Patents and Hindsight*, The IPKat, Sept. 18, 2017
- *Temple picks familiar face as new law dean*, Jeff Blumenthal, Philadelphia Business Journal, Apr. 18, 2017
- *From 'house of horrors' to haunting eyesore: Why Gosnell's abortion clinic still stands*, Dana DiFilippo, Newsworks, May 11, 2016
- *The End to Google and Microsoft's Patent Dispute is Good for Consumers, Expert Says*, Anna Aguillard, Legal Newsline, Nov. 9, 2015
- *Local Man Claims 'Empire' Was His Idea*, Harry Hairston, NBC Nightly News, Nov. 9, 2015
- *JDate Sues Jswipe in Battle of Virtual Matchmakers*, Rachel Kurland, Jewish Exponent, Aug. 13, 2015
- *The Regulatory System May Not Be Ready for Synthetic Organisms*, Susana Medeiros, RegBlog, Jul. 15, 2015
- *California Jury Finds "Blurred Lines" Infringed "Got to Give It Up": Society's Mixed Signals on Copying and Intellectual Property Rights*, Adam Bialek, WilsonElser Client Alert, Mar. 13, 2015
- *Drawing outside the lines: Stymied scientists disagree about how to drive home global warming lessons*, Shannon Hall, Scienceline, Nov. 12, 2014
- Living on Earth (NPR/PRI), *China's Rejection of GMO Corn Shipments Prompts Lawsuit*, Sept. 19, 2014
- *In re Cyclobenzaprine Hydrochloride Extended-Release Capsule Patent Litigation*, Case No. 2011-1399, -1409 (Fed. Cir., Apr. 16, 2012) (quoting and citing *Patently Non-Obvious*, 67 OHIO ST. L.J. 1391 (2006))
- *Supreme Court: When Do Ideas Deserve Patents?*, Adi Narayan, Time Magazine, Nov. 18, 2009
- *Justices Hear "Geek's" Landmark Case*, Tony Mauro, Fulton County Daily Report, Nov. 10, 2009
- *A Math Geek's Ride to the High Court: How Rand Warsaw and Partner Bilski Touched Off a Landmark Patent Fight*, Tony Mauro, The National Law Journal, Nov. 9, 2009
- *Bra-Maker Seeks Boost from Supreme Court*, Jocelyn Allison, Law360, Oct. 2, 2009
- *Nursing Garment Cited as "Flash of Genius" in Petition Challenging Obviousness Judgement*, BNA PATENT, TRADEMARK & COPYRIGHT DAILY, OCT. 1, 2009
- *Creativity for Patents and Copyrights Is Not So Different, Professor Says,* Tony Dutra, BNA PATENT, TRADEMARK & COPYRIGHT DAILY, Sept. 23, 2008
- *Surviving the Patent Shakeup*, Erik Sherman, CHIEF EXECUTIVE, Jul./Aug. 2008

- *Patently Non-Obvious: Professor Explores how Hindsight Bias affects Patent Law Decisions,* Thomas Durso, TEMPLE ESQ., Sum. 2008
- *FTC says Companies Team Up to Stall Generics*, Kerry Grens, WHYY, June 4, 2008
- *Getting a Handle on Nanobiotech Products*, Vicki Brower, GENETIC ENGINEERING & BIOTECHNOLOGY NEWS, Jan. 1, 2008
- Guest on *The Forum*, a half-hour political commentary radio program broadcast on six stations in the Northwest, discussing patent law, Dec. 8, 2007 (available at http://www.isrlaw.com/radio/TheForum-ProfessorMandellonKSR.mp3)
- *Patent Quest is Costly*, Larry Rulison, Times Union, Mar. 11, 2007
- *Vaunted Legal Scholar Switches Sides in Supreme Court Patent Case*, Xenia Kobylarz, IP News & Business, Nov. 27, 2006
- *Mandelian Proposition Holds for Patents*, Jeremy Phillips, IPKat, Nov. 16, 2006
- *Hindsight Bias,* Dennis Crouch, Patently-O, Nov. 13, 2006
- *Experimenting with KSR v. Teleflex—Can Hindsight be Mitigated* (Parts I and II), Peter Zura's Two-Seventy-One Patent Blog, Nov. 7 & 8, 2006
- *KSR: For the Respondent*, IPCentral, Progress and Freedom Foundation's Center for the Study of Digital Property, Oct. 27, 2006
- *20/20 Take 2*, Patent Prospector, Oct. 19, 2006
- *Should Obviousness in Patent Cases be Bifurcated to Avoid Hindsight* Bias (Parts I and II), Peter Zura's Two-Seventy-One Patent Blog, Aug. 23 & 24, 2006
- *Empirical Evidence of Hindsight Bias*, William Heinze, I/P Updates, Aug. 30, 2006
- *Mandel on Saving Science from Politics*, Andrew Chin, Voiceless, Jul. 29, 2006
- *Mandel on Hindsight Bias and Obviousness*, Legal Theory Blog, Jan. 4, 2006
- X-*Ray Optical Investing in Ideas*, Larry Rulison, Albany Times Union, Sept. 9, 2005
- *The Laws of Technology: Center at Albany Law School aims to be legal resource* for *high-tech companies*, Schenectady Daily Gazette, Apr. 25, 2004
- *The new medicinals: Bio-engineered plants promise a new era of innovative medicine. If regulators don't muck things up,* Red Herring, Nov. 22, 2003
- *Technology Transfer News: U of R Cox-2 Patent Overturned*, Al Levin, Syracuse Business Record, Apr. 15, 2003
- *Mistrust of GMOs based on media stories of regulatory error, says law professor*, Soya & Oilseed Industry News, Apr. 29, 2003
- *Genetic Engineering: Lawyer says mistrust of GM foods based on media stories of regulatory error*, Biotech Week, Apr. 23, 2003
- *Genetic Engineering: Lawyer says mistrust of GM foods based on media stories of regulatory error*, Life Science Weekly, Apr. 21, 2003
- *Scientists Scrutinize Biopharming*, Emma Hitt, The Scientist, Mar. 21, 2003
- *Experts Battle in High-Stakes Lead Paint Lawsuits*, Andrew Tilghman, Albany Times Union, Dec. 29, 2002
- *Critics Question AEP's Role in Bat Study*, Lois Caliri, The Roanoke Times, Nov. 3, 2002
- *Big Suits*, Dan McAllister et al., The American Lawyer, Mar. 2001
- *Lawyers on Major Transactions*, Bruce Balestier & Anna Snider, New York Law Journal, Feb. 10, 2000
- *Big Deals*, The American Lawyer, Dec. 1998
- *Why the Youngest Stars Get Into a Spin*, Ken Croswell, New Scientist, vol. 133, no. 1803, Jan. 11, 1992

PROFESSIONAL SERVICE

BAR AND PROFESSIONAL MEMBERSHIP AND SERVICE

New York State Bar
Pennsylvania State Bar
State Bar of California (inactive)
United States Court of Appeals for the Ninth Circuit Bar
American Bar Association
Philadelphia Bar Association
Intellectual Property Section, American Bar Association
American Intellectual Property Law Association
Association of American Law Schools
American Law Institute
Program Committee for Tilburg University TILTing Perspectives Conference 2013

Ad hoc reviewer/referee for:

Science
Yale Law Journal
Stanford Law Review
Journal of Empirical Legal Studies
European Journal of Empirical Legal Studies
Stanford Journal of Law, Science, & Policy
Psychology, Public Policy, and Law
Regulation and Governance
Law and Policy
Jurimetrics Journal
National Science Foundation
Oxford University Press
Israel Science Foundation
Routledge Press
UBC Press

TEMPLE UNIVERSITY SERVICE

Strategic Planning Executive Committee (Co-Chair), 2025
Campus Development Committee (Co-Chair), 2022-2025
President's Cabinet, 2020-2025
Provost's Futures Committee, 2019-2021 (Co-Chair 2020-2021)
Strategic Planning Executive Committee, 2020-2021
Management Audit & Compliance Committee, 2021-2025
Costs and Services Committee, 2018-2021
Deans Advisory Committee, 2017-2019
Consultative Dean's Review Committee, College of Science & Technology, 2017-2018
Council of Deans, 2016-2021
Invention and Patent Committee, 2010-2016

TEMPLE LAW SCHOOL SERVICE

Faculty Selection Committee, 2008-2016
Faculty Colloquium Committee, 2011-2016
Futures Committee, 2015-2016
Strategic Planning Committee, 2014-2015
Friel-Scanlan Committee, 2013-2016
Ad Hoc Scholarly Impact Committee, 2013-2015

Ad Hoc Order of the Coif Committee 2013-2014
Ad Hoc Architectural Committee, 2012-2014
Faculty Union Compensation Committee, 2008-2009
Curriculum Committee, 2007-2010
Intellectual Property Moot Court Faculty Advisor, 2007-2021

ALBANY LAW SCHOOL SERVICE

Faculty Affairs Committee, 2004-2007
Dean's Communications Advisory Council, 2004-2007
Albany Law Journal of Science and Technology, Faculty Advisor, 2004-2007
National Intellectual Property Moot Court Faculty Advisor, 2005-2007
Intellectual Property Society Faculty Advisor, 2002-2007
Environmental Law Society Faculty Advisor, 2001-2007
Hon. H.R. Tyler Distinguished Professor in Law & Technology Search Committee, 2004
Drafted Albany Law School Long-range Strategic Plan, 2004
Drafted new Promotion and Tenure Standards and Procedures, 2006-2007
Albany Environmental Outlook Journal, Faculty Advisor, 2001-2004
Faculty Recruitment Committee, 2002-2004
International and Comparative Law Programs Committee, 2001-2003
Faculty Advisor to first-year group of students, 2002-2006
National Environmental Moot Court, Faculty Advisor, 2001-2003
Intellectual Property LL.M., Faculty Advisor, 2002-2007
Russian–U.S. Young Leadership Fellows for Public Service, Faculty Advisor, 2002-2003
Science & Technology Law Center Coordinator Search Committee, 2004
Ad Hoc Committee on Student Journals, 2004-2005
Student Affairs Committee, 2001-2005
Harassment Prevention Committee, 2004-2007
Student Disciplinary Committee, 2003-04
Enrichment Committee, 2001-2002
Glennon Fellowship Committee, Chair, 2001-2007
Peck Scholarship Committee, 2001-2007
Fulbright Campus Committee, 2002-2007