

## Curriculum Vitae

**Date Prepared:** February 16, 2022  
**Name:** Michael S. Sinha, M.D., J.D., M.P.H.  
**Office Address:** Northeastern University School of Law  
Center for Health Policy and Law  
416 Huntington Avenue, Boston, MA 02115  
**Home Address:** 251 Heath Street, Unit 510  
Jamaica Plain, MA 02130  
**Home Phone:** (217) 521-9774  
**Permanent E-mail:** michael.sinha@mail.harvard.edu  
**Work E-mail:** m.sinha@northeastern.edu  
**Website:** <https://scholar.harvard.edu/sinha>  
**Place of Birth:** Saint Louis, MO

### Education

2015	M.P.H.	Law and Public Health	Harvard T.H. Chan School of Public Health, Boston, MA
2012	J.D. ( <i>cum laude</i> )	Law	SIU School of Law, Carbondale, IL
2012	M.D.	Medicine	Southern Illinois University (SIU) School of Medicine, Springfield, IL
2003	B.A. ( <i>cum laude</i> )	Biophysical Chemistry (Honors)	Dartmouth College, Hanover, NH

### Postdoctoral Training

2018-2021	Regulatory Science Fellow	Harvard-MIT Center for Regulatory Science (HMCRS)	Harvard Program in Therapeutic Science (HiTS), Harvard Medical School, Boston, MA
2016-2018	Postdoctoral Fellow	Pharmaceutical Law and Health Services Research	Program On Regulation, Therapeutics, And Law (PORTAL), Division of Pharmacoepidemiology and Pharmacoeconomics, Brigham and Women's Hospital, Boston, MA
2015-2016	Medical Resident	Internal Medicine	Boston Medical Center, Boston, MA
2012-2014	Medical Resident	Internal Medicine / Preventive Medicine	Griffin Hospital, Derby, CT

### Academic Appointments

2022-	Adjunct Faculty	Health Law	Loyola University Chicago School of Law, Chicago, IL
2020-	Lecturer	Health Sciences / Public Health	California State University East Bay, Hayward, CA
2020-2021	Teaching Faculty	Center for Bioethics	Harvard Medical School, Boston, MA
2019-	Adjunct Faculty	Health Law and Intellectual Property	Northeastern University School of Law, Boston, MA
2019-	Visiting Scholar	Center for Health Policy and Law	Northeastern University School of Law, Boston, MA
2018-2021	Research Fellow	Regulatory Science	Harvard Medical School, Boston, MA
2016-2018	Research Fellow	Pharmaceutical Law and Health Services Research	Harvard Medical School, Boston, MA

## Other Professional Positions

2021-	Research Collaborator	HMCERS	Harvard Medical School, Boston, MA
2020-	Regulatory and Legal Team Lead	Greater Boston Pandemic Fabrication Team	HMCERS, Harvard Medical School, Boston, MA
2018-	Affiliated Researcher	Pharmaceutical Law and Health Services Research	PORTAL, Boston, MA
2018-	Collaborating Researcher	Incentives for Antibiotic Development (with PORTAL faculty)	Centre for Advanced Studies in Biomedical Innovation Law (CeBIL), University of Copenhagen, Denmark
2008	Summer Legal Intern	Office of Scientific and Regulatory Policy	Division of Global Medical, Regulatory and Safety, Eli Lilly & Co., Indianapolis, IN
2006-2007	Research Assistant	Health Law	SIU School of Law, Carbondale, IL
2004-2005	Research Technician II	Medical Oncology	Molecular Oncology Division, Department of Medicine, Washington University School of Medicine, St. Louis, MO
2003-2004	Research Assistant	Ocular Oncology	Department of Ophthalmology and Visual Sciences, Washington University School of Medicine, St. Louis, MO
2001-2003	Undergraduate Honor's Thesis Research	Organic Chemistry	Department of Chemistry, Dartmouth College, Hanover, NH

## Report of Scholarship

### Legal Scholarship

#### Law Journal Publications

1. *EACH Person's Right: The Importance of Federal Abortion Care Funding to Health Care Reform* (with Cassandra LaRose), 48 AM. J. L. & MED. \_\_\_\_ (forthcoming) (symposium)
2. *Costly Gadgets: Barriers to Market Entry and Price Competition for Generic Drug-Device Combinations in the United States*, 23 MINN. J. L. SCI. & TECH. \_\_\_\_ (forthcoming 2022).
3. *The Other Three Waves: Re-assessing the Impact of Industry-Prescriber Relations on the Opioid Crisis* (with Jessica Bresler), 41 J. LEGAL MED. 47 (2021).
4. *Neither Ethical Nor Effective: The False Promise of Involuntary Commitment to Address the Overdose Crisis* (with John C. Messinger and Leo Beletsky). 48 J. L. MED. & ETHICS 741 (2020).
5. *Applying the Proportionality Principle to COVID-19 Antibody Testing* (with Hrefna D. Gunnarsdottir, Sara Gerke, & Timo Minssen). 7 J. L. BIOSCIENCES Isaa058 (2020).
6. *Generic But Expensive: Why Prices Can Remain High for Off-Patent Drugs* (with Aaron S. Kesselheim & Frazer A. Tessema), 71 HASTINGS L. J. 101 (2020).
7. *Pharmaceutical Policy in the United States in 2019: An Overview of the Landscape and Avenues for Improvement* (with Aaron S. Kesselheim, Jerry Avorn & Ameet Sarpatwari), 30 STAN. L. & POL'Y REV. 421 (2019).
8. *The Tax Cuts and Jobs Act of 2017 and the Pharmaceutical Industry* (with Aaron S. Kesselheim), 46 J. L. MED. & ETHICS 806 (2018).
  - Discussed in two BIOPHARMA DIVE articles

9. *Expansion of the Priority Review Voucher Program under the 21st Century Cures Act: Implications for Innovation and Public Health* (with Nina Jain, Thomas J. Hwang & Aaron S. Kesselheim), 44 AM. J. L. & MED. 329 (2018). (symposium)
  - Cited by the Government Accountability Office (January 2020, GAO-20-251) and in testimony to the U.S. House Committee on Energy and Commerce (July 2020).
10. *When Markets Fail: Patents and Infectious Disease Products* (with Jonathan J. Darrow & Aaron S. Kesselheim), 73 FOOD & DRUG L. J. 361 (2018).
  - Discussed in RAPS REGULATORY FOCUS article
11. *The Opioid Epidemic: Fixing a Broken Pharmaceutical Market* (with Ameet Sarpatwari & Aaron S. Kesselheim), 11 HARV. L. & POL'Y REV. 463 (2017).
12. *The Perils of Panic Ebola, HIV, and the Intersection of Global Health and Law* (with Wendy E. Parmet), 42 AM. J. L. & MED. 223 (2016) (symposium)
13. *Barking Up the Wrong Tree: The FDA's Misguided Attempt to Waive Informed Consent in Public Health Emergencies*, 28 J. LEGAL MED. 397 (2007). (student comment)
  - Nominated for the Scribes Law Review Award

#### Federal Comments

1. *Phased Approach to the Resumption of Cruise Ship Passenger Operations 2021-09094* (revised and contributed to 20 law student submissions as part of the Summer 2021 Problems in Public Health Law course at NUSL), June 30, 2021, <https://www.regulations.gov/document/CDC-2021-0011-0001>.
2. *Listing of Patent Information in the Orange Book; Establishment of a Public Docket; Request for Comments; Reopening of Comment Period* (with Reed F. Beall), April 15, 2021, <https://www.regulations.gov/comment/FDA-2020-N-1127-0028>.
3. *National Institute of Standards and Technology (NIST) Request for Comments; Rights to Federally Funded Inventions and Licensing of Government Owned Inventions*, April 6, 2021, <https://www.regulations.gov/comment/NIST-2021-0001-15844>.
4. *Treatment of E-Cigarettes in the Mail* (revised and contributed to 10 law student submissions as part of the Spring 2021 Problems in Public Health Law course at NUSL), March 22, 2021, <https://www.regulations.gov/document/USPS-2021-0027-0001>.
5. *FDA Guidance on Conduct of Clinical Trials of Medical Products during COVID-19 Pandemic; Guidance for Industry, Investigators, and Institutional Review Boards* (with Deborah Plana & Andrea Arfé), July 13, 2020, <https://www.regulations.gov/document?D=FDA-2020-D-1106-0139>.
6. *Tobacco Products; Required Warnings for Cigarette Packages and Advertisements* (revised and contributed to 7 law student submissions as part of the Fall 2019 Drug Law & Policy course at NUSL), November 27, 2019, <https://www.regulations.gov/document/FDA-2019-N-3065-0001>.
7. *FDA Solicits Input on Potential Role for Abuse-Deterrent Formulations of Central Nervous System Stimulants; Establishment of a Public Docket; Request for Comments*, November 18, 2019, <https://www.regulations.gov/document?D=FDA-2019-N-3403-0886>.
8. *Standards for Future Opioid Analgesic Approvals and Incentives for New Therapeutics to Treat Pain and Addiction; Public Hearing*, November 18, 2019, <https://www.regulations.gov/document?D=FDA-2019-N-2514-0396>.
9. *Comments on Public Meeting: Responsible Innovation in Dietary Supplements*, July 17, 2019, <https://www.regulations.gov/document?D=FDA-2019-N-1388-0064>.
10. *Comments on Regulatory Provisions: 'Inadmissibility on Public Charge Grounds'* (with Public Health Law Watch), December 7, 2018, <https://www.regulations.gov/docket?D=USCIS-2010-0012>.

11. *A Response to "Unintended Consequences: Medicaid and the Opioid Crisis"* (with Public Health Law Watch), February 14, 2018, <https://www.publichealthlawwatch.org/blog/2018/2/14/a-response-to-unintended-consequences-medicare-and-the-opioid-crisis>.
12. *Comments on Public Meeting: 'Administering the Hatch-Waxman Amendments: Ensuring a Balance Between Innovation and Access'* (with Ameet Sarpatwari & Aaron Kesselheim), Nov 10, 2017, <https://www.regulations.gov/document?D=FDA-2017-N-3615-0092>.
13. *Comments on Public Workshop: 'Generic Drug User Fee Amendment of 2012'* (with Aaron S. Kesselheim), Jun 2, 2017, <https://www.regulations.gov/document?D=FDA-2013-N-0402-0034>.

#### Book Chapters

1. *Addressing Regulatory Exclusivity Issues During the COVID-19 Pandemic* (with Sven J.R. Bostyn & Timo Minssen), in *COVID-19 AND THE LAW: DISRUPTION, IMPACT, AND LEGACY* (I. Glenn Cohen, Abbe D. Gluck, Katherine Kraschel & Carmel Shachar, eds.) (forthcoming 2022). Available on SSRN: [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=3889894](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3889894).
2. *Identifying and Eradicating Gender Discrimination and Sexual Harassment of Women Physicians in the United States* (with Christine A. Heisler, Melissa Blaker, Elizabeth H. Stephens, Kate Walsh, Pringl Miller & Sarah M. Temkin), in *GLOBAL PERSPECTIVES ON SEXUAL HARASSMENT IN MEDICINE* (Louise Stone, ed.) (forthcoming 2022)
3. *Strategies to Address the Chronic Shortage of N95 Masks and Other Filtering Facepiece Respirators During the COVID-19 Pandemic*, in *COVID-19 POLICY PLAYBOOK: LEGAL RECOMMENDATIONS FOR A SAFER, MORE EQUITABLE FUTURE* (Scott Burris, Sarah de Guia, Lance Gable, Donna E. Levin, Wendy E. Parmet, Nicolas P. Terry, eds.) Boston: Public Health Law Watch, 2021. Available on SSRN: <https://ssrn.com/abstract=3808308>.
4. *COVID-19: State and Local Responses to PPE Shortages*, in *ASSESSING LEGAL RESPONSES TO COVID-19* (Scott Burris, Sarah de Guia, Lance Gable, Donna E. Levin, Wendy E. Parmet, Nicolas P. Terry, eds.) Boston: Public Health Law Watch, 2020. Available on SSRN: <https://ssrn.com/abstract=3675861>.
5. *Chapter 28 - Mental Health Issues* (with Ross D. Silverman), in *ILLINOIS PRACTICE SERIES, VOLS. 21 & 22: THE LAW OF MEDICAL PRACTICE IN ILLINOIS* (Robert J. Kane, Ross D. Silverman & Larry E. Singer, eds., Supp. 2011).

#### Amicus Briefs

1. *Motion of American Public Health Association, Association of Schools and Programs of Public Health, 12 Leading Public Health and Health Care Organizations, 30 Deans of Leading Academic Programs, and 109 Leading Public Health and Health Policy Scholars for Leave to File Attached Brief as Amici Curiae in Support of Respondents*, In re MCP No. 165, Occupational Safety & Health Administration, Interim Final Rule: COVID-19 Vaccination & Testing, 86 Fed. Reg. 61402 (U.S. Supreme Court), 2021, [https://www.supremecourt.gov/DocketPDF/21/21A244/206948/20211230132243997\\_21A244%20-247%20bsac%20American%20Public%20Health%20Assoc.pdf](https://www.supremecourt.gov/DocketPDF/21/21A244/206948/20211230132243997_21A244%20-247%20bsac%20American%20Public%20Health%20Assoc.pdf).
2. *Brief of Amici Curiae Professors of Health Law and Policy in Support of Petitioner*, Ruan v. United States (U.S. Supreme Court), 2021, [https://www.supremecourt.gov/DocketPDF/20/20-1410/206387/20211223153256418\\_Ruan%20Amici%20-%20Professors%20of%20Health%20Law%20and%20Policy%20-%20Brief%20-%202012-23-2021.pdf](https://www.supremecourt.gov/DocketPDF/20/20-1410/206387/20211223153256418_Ruan%20Amici%20-%20Professors%20of%20Health%20Law%20and%20Policy%20-%20Brief%20-%202012-23-2021.pdf).

3. *Motion of American Public Health Association, Association of American Medical Colleges, 22 Deans of Leading Academic Programs, and 126 Leading Public Health and Health Policy Scholars for Leave to File Attached Brief as Amici Curiae in Support of Applicants*, Biden v. State of Missouri (U.S. Court of Appeals for the Eighth Circuit) and Becerra v. State of Louisiana (U.S. Court of Appeals for the Fifth Circuit), 2021, [https://www.supremecourt.gov/DocketPDF/21/21A240/206355/20211223134535380\\_21A240%20-241%20Amici%20Brief%20American%20Public%20Health%20Assoc.pdf](https://www.supremecourt.gov/DocketPDF/21/21A240/206355/20211223134535380_21A240%20-241%20Amici%20Brief%20American%20Public%20Health%20Assoc.pdf).
4. *Motion to File Brief Amicus Curiae by Public Health Associations and Public Health Scholars Supporting Respondents*, We The Patriots, et al. v. Hochul, U.S. Supreme Court, 2021, [https://www.supremecourt.gov/DocketPDF/21/21A125/199645/20211110205927191\\_2021.11.06%20-%20Vaccine%20Mandates%20Public%20Health%20Scholars%20MOTION%20FINAL.pdf](https://www.supremecourt.gov/DocketPDF/21/21A125/199645/20211110205927191_2021.11.06%20-%20Vaccine%20Mandates%20Public%20Health%20Scholars%20MOTION%20FINAL.pdf)
5. *Brief of Public Health Scholars and Practitioners Supporting Respondents*, John Doe, et al. v. Mills (U.S. Supreme Court), 2021, [https://www.supremecourt.gov/DocketPDF/21/21A90/198025/20211028141652778\\_2021.10.28%20-%20Vaccine%20Mandates%20Public%20Health%20Scholars.pdf](https://www.supremecourt.gov/DocketPDF/21/21A90/198025/20211028141652778_2021.10.28%20-%20Vaccine%20Mandates%20Public%20Health%20Scholars.pdf)
6. *Amici Curiae Brief of 547 Deans, Chairs, Scholars and Public Health Professionals, the American Public Health Association, and the Guttmacher Institute, the Center for U.S. Policy, in Support of Respondents*, Dobbs v. Jackson Women’s Health Organization (U.S. Supreme Court), 2021, [https://www.supremecourt.gov/DocketPDF/19/19-1392/193052/20210920164243798\\_19-1392%20Brief.pdf](https://www.supremecourt.gov/DocketPDF/19/19-1392/193052/20210920164243798_19-1392%20Brief.pdf).
7. *Brief of Amici Curiae Professors of Health Law and Policy in Support of Practitioner*, Ruan v. United States (U.S. Court of Appeals for the Eleventh Circuit), 2021, [https://www.supremecourt.gov/DocketPDF/20/20-1410/178631/20210507164642254\\_Ruan%20Amici%20Brief%20-%20Final%20for%20Filing%20-%2005-7-21.pdf](https://www.supremecourt.gov/DocketPDF/20/20-1410/178631/20210507164642254_Ruan%20Amici%20Brief%20-%20Final%20for%20Filing%20-%2005-7-21.pdf).
8. *Brief of Amici Curiae in Support of the Defendants*, Terkel v. Centers for Disease Control and Prevention (U.S. Court of Appeals for the Fifth Circuit), 2021.
9. *Brief of Amici Curiae in Support of the Defendants*, Chambless v. Centers for Disease Control and Prevention (U.S. Court of Appeals for the Fifth Circuit), 2021, <https://pacificlegal.org/wp-content/uploads/2020/10/Chambless-Enterprises-LLC-v.-CDC-PLF-Opening-Brief.pdf>.
10. *Public Health Amici Curiae Brief in Support of the Centers for Disease Control and Prevention Eviction Moratorium*, Brown v. Azar (U.S. District Court for the Northern District of Georgia, Atlanta Division), 2020, [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=3708504](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3708504)
11. *Brief of Amici Curiae 57 Law, Economics, Business, Health, and Medicine Professors in Support of Cross-Appellant’s Petition for Rehearing En Banc*, GlaxoSmithKline v. Teva Pharmaceuticals (U.S. Court of Appeals for the Federal Circuit), 2020, [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=3750396](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3750396).
12. *Amici Curiae Brief of 66 Law, Economics, Business, and Medical Professors in Support of Plaintiffs-Appellants*, UFCW Local 1500 Welfare Fund v. AbbVie (U.S. Court of Appeals for the Seventh Circuit), 2020, [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=3708338](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3708338).
13. *Motion for Leave to File Amicus Brief of Proposed Amici Curiae Health Law Advocates, Health Care for All, and the Public Health Law Watch in Opposition to Plaintiff’s Motion for Preliminary Injunction*, Matorin v. Commonwealth of Massachusetts (Suffolk County Superior Court, Commonwealth of Massachusetts), 2020, <https://www.healthlawadvocates.org/pdfs/2020.07.24-HLA-Matorin-Amicus-Motion-for-Leave-and-Exhibit-1-FINAL.pdf>
14. *Brief in Support of Appellant by Amici Curiae the Health in Justice Action Lab at Northeastern University School of Law and the Center for Public Health Research at Temple University School of Law, Joined by Several Law Professors, Public Health Organizations, and Affected Families Working to Reduce Overdose Deaths*, United States v. Semler (U.S. Court of Appeals for the Third Circuit), 2020, [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=3717117](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3717117).

15. *Brief of Biomedical Ethicists Ruth R. Faden, Ph.D., M.P.H. et al., as Amici Curiae in Support of Petitioners*, EMW Women’s Surgical Center v. Meier (U.S. Supreme Court), 2019, [https://www.supremecourt.gov/DocketPDF/19/19-417/120523/20191028162658319\\_19-417\\_Amici%20Brief%20in%20Support%20of%20Petitioners.pdf](https://www.supremecourt.gov/DocketPDF/19/19-417/120523/20191028162658319_19-417_Amici%20Brief%20in%20Support%20of%20Petitioners.pdf).
16. *Brief of Amici Curiae Health Law Advocates in Support of Plaintiffs’ Motion for Preliminary Injunction*, State of Washington v. U.S. Department of Homeland Security (U.S. Court of Appeals for the Fourth Circuit), 2019, <https://www.healthlawadvocates.org/pdfs/90.1-Exhibit-1-Amicus-Brief.pdf>.
17. *Brief Amici Curiae of 82 Law, Economics, Business, and Medical Professors in Support of Respondent*, Impax Laboratories v. Federal Trade Commission (U.S. Court of Appeals for the Fifth Circuit), 2019, [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=3504773](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3504773).

## Peer-Reviewed Scientific or Medical Publications

### Research investigations

1. *Differences in Prescription Drug Utilization and Costs among Patients with Diabetes Enrolled in Marketplace and Medicaid Plans* (with Peggah Khorrami, Aditi Bhanja, Heidi L. Allen, Aaron S. Kesselheim & Benjamin D. Sommers), 5 JAMA NETWORK OPEN e2140371.
2. *De novo Powered Air-Purifying Respirator Design and Fabrication for Pandemic Response* (with Akshay Kothakanda, Lyla Atta, Deborah Plana, Ferrous Ward, Chris Davis, Avilash Cramer, Robert Moran, Jacob Freake, Enze Tian, Ofer Mazor, Pavel Gorelik, Christopher Van, Christopher Hansen, Helen Yang, Ju Li, Sherry H. Yu, Nicole R. LeBoeuf & Peter K. Sorger) FRONTIERS IN BIOTECHNOLOGY (BIOSAFETY AND BIOSECURITY) (2021, <https://www.frontiersin.org/articles/10.3389/fbioe.2021.690905/>).
3. *Assessing the quality of nontraditional N95 filtering face-piece respirators available during the COVID-19 pandemic* (with Deborah Plana, Enze Tian, Avilash K. Cramer, Helen Yang, Mary M. Carmack, Florence T. Bourgeois, Sherry H. Yu, Peter Masse, Jon Boyer, Minjune Kim, Jinhan Mo, Nicole R. LeBoeuf, Ju Li, and Peter K. Sorger). 21 BMC INFECTIOUS DISEASES 712 (2021).
4. *A Crisis-Responsive Framework for Medical Device Development during the COVID-19 Pandemic* (with Marc-Joseph Antonini, Deborah Plana, Shriya Srinivasan, Lyla Atta, Aditya Achanta, Helen Yang, Avilash Cramer, Jacob Freake, Sherry H. Yu, Nicole R. LeBoeuf, Ben Linville-Engler, and Peter K. Sorger). FRONTIERS IN DIGITAL HEALTH (HEALTH TECHNOLOGY INNOVATION) (2021: <https://www.frontiersin.org/articles/10.3389/fdgh.2021.617106/abstract>).
5. *Factors affecting buprenorphine utilization and spending in Medicaid, 2002-2018* (with Rachel E. Barenie & Aaron S. Kesselheim). 24 VALUE IN HEALTH 182 (2021).
6. *Addressing the surgical shortage: revisiting residency training requirements for international medical graduates* (with Karim W. Sadik), 2 CLINICAL SURGERY J. 1 (2021).
7. *Fentanyl panic goes viral: The spread of misinformation about overdose risk from casual contact with fentanyl in mainstream and social media* (with Leo Beletsky, Sarah Seymour, Sunyou Kang, Zachary Siegel, Ryan Marino, Aashka Dave & Clark Freifeld). 16 INT’L. J. DRUG POL’Y. 102951 (2020).
  - Discussed in MIAMI HERALD, VICE, PHILADELPHIA INQUIRER, NEW YORK TIMES, LOS ANGELES TIMES, and ABC NEWS articles
8. *Analysis of the SteraMist ionized hydrogen peroxide fogging system as a method to sterilize N95 masks and other PPE* (with Avilash K. Cramer, Deborah Plana, Helen Yang, Enze Tian, Mary M. Carmack, David Krikorian, David Turner, Ju Li, Rajiv Gupta, Heather Manning, Florence T. Bourgeois, Sherry H. Yu, Peter K. Sorger & Nicole R. LeBoeuf). SCIENTIFIC REPORTS. 2020.

9. *Regulatory and safety considerations in deploying a locally-fabricated, reusable, face shield in a hospital responding to the COVID-19 pandemic* (with Arash Mostaghimi, Marc-Joseph Antonini, Deborah Plana, Philip D. Anderson, Brandon Beller, Edward W. Boyer, Amber Fannin, Jacob Freake, Richard Oakley, Leanne Smith, Christopher Van, Helen Yang, Peter K. Sorger, Nicole R. LeBoeuf & Sherry H. Yu). *MED.* (2020, <https://doi.org/10.1016/j.medj.2020.06.003>).
10. *Estimating the Cost of Delayed Generic Drug Entry to Medicaid* (with Chintan V. Dave, Reed F. Beall & Aaron S. Kesselheim), 39 *HEALTH AFFAIRS (MILLWOOD)* 1011 (2020).
11. *FDA and EMA Biosimilar Approvals* (with Emily H. Jung, Ameet Sarpatwari & Aaron S. Kesselheim), 35 *J. GEN. INTERNAL MED.* 1908 (2020).
12. *Prescription Opioid Epidemic and Trends in the Clinical Development of New Pain Medications* (with Thomas J. Hwang, Chintan V. Dave & Aaron S. Kesselheim), 94 *MAYO CLINIC PROCEEDINGS* 2437 (2019).
13. *Multimodal Analysis of FDA Drug Safety Communications: Lessons from Zolpidem* (with Aaron S. Kesselheim, Eric G. Campbell, Sebastian Schneeweiss, Paula Rausch, Brian M. Lappin, Esther H. Zhou, Jerry Avorn & Gerald J. Dal Pan), 42 *DRUG SAFETY* 1287 (2019).
14. *Patients' Knowledge of Key Messaging in Drug Safety Communications for Zolpidem and Eszopiclone: A National Survey* (with Aaron S. Kesselheim, Paula Rausch, Zhigang Lu, Frazer A. Tessema, Brian M. Lappin, Esther H. Zhou, Gerald J. Dal Pan, Lee Zwanziger, Amy Ramanadham, Cheryl Enger, Jerry Avorn & Eric G. Campbell), 47 *J. L. MED. & ETHICS* 430 (2019).
15. *Labeling Changes and Costs for Clinical Trials Performed under the US Food and Drug Administration Pediatric Exclusivity Extension, 2007 to 2012* (with Mehdi Najafadeh, Elizabeth K. Rajasingh, James Love & Aaron S. Kesselheim), 178 *JAMA INTERNAL MED.* 1458 (2018).
  - Discussed in RAPS REGULATORY FOCUS, STAT NEWS, MEDSCAPE MEDICAL NEWS, PHARMACO-ECONOMICS & OUTCOMES NEWS, and POLITICO PRESCRIPTION PULSE articles
16. *Uptake of FDA Drug Safety Communication Messages about Zolpidem in Social Media* (with Clark C. Freifeld, John S. Brownstein, Macarius Donneyong, Paula Rausch, Brian M. Lappin, Esther H. Zhou, Gerald J. Dal Pan, Ajinkya M. Pawar, Thomas J. Hwang, Jerry Avorn & Aaron S. Kesselheim), 4 *JMIR PUB. HEALTH & SURVEILLANCE* e1 (2018).
  - Discussed in RAPS REGULATORY FOCUS, FDANEWS, FORTUNE, MEDI:GATE NEWS, and MEDSHADOW articles
17. *Determinants of Market Exclusivity for Prescription Drugs in the United States* (with Aaron S. Kesselheim & Jerry Avorn), 177 *JAMA INTERNAL MED.* 1658 (2017).
18. *Regulatory Incentives for Antibiotic Drug Development: A Review of Recent Proposals* (with Aaron S. Kesselheim), 24 *BIOORGANIC & MEDICINAL CHEMISTRY* 6446 (2016).
19. *Physicians and Insider Trading* (with Aaron S. Kesselheim & Steven Joffe), 175 *JAMA INTERNAL MED.* 1955 (2015).
20. *The Impact of Tort Reform and Quality Improvements on Medical Liability Claims: A Tale of 2 States* (with Kenneth D. Illingworth, Steven H. Shaha, Tony H. Tzeng & Khaled J. Saleh), 30 *AM. J. MED. QUALITY* 263 (2015).
21. *Novel Indole Chemistry in the Synthesis of Heterocycles* (with Gordon W. Gribble, et al.), 9 *CURR. ORGANIC CHEMISTRY* 1493 (2005).

#### Other peer-reviewed medical publications

1. *Patient Assistance Programs and the Anti-Kickback Statute: Charting a Pathway Forward* (with Aaron S. Kesselheim and Christopher T. Robertson) 327 *J. AM. MED. ASS'N* \_\_\_\_ (forthcoming)
2. *Last Page: How Male Allies Can Support the Advancement of Women in Academic Medicine* (with Kristina Dzara and Stephanie K. Mueller) \_\_\_\_ *ACADEMIC MEDICINE* \_\_\_\_ (forthcoming)

3. *Return to Work During COVID-19: Temperature Screening is No Panacea* (with David H. Slade). 42 INFECTION CONTROL & HOSPITAL EPIDEMIOLOGY 1166 (2021).
  - Discussed in THE INTERCEPT
4. *The Wrong Cure: Financial Incentives for Unimpressive New Antibiotics* (with John H. Powers, III and Aaron S. Kesselheim). 223 J. INFECTIOUS DISEASES 1506 (2021).
5. *Personal Protective Equipment for COVID-19: Distributed Fabrication and Additive Manufacturing* (with Florence T. Bourgeois and Peter K. Sorger). 110 AM. J. PUBLIC HEALTH 1162 (2020).
6. *Covid-19 – The Law and Limits of Quarantine* (with Wendy E. Parmet). 382 NEW ENGL. J. MED. e28 (2020).
7. *What Does It Mean to Be a Male Ally? Implementing Meaningful Change in Gender Representation in Medicine* (with Skihka Jain, Katayoun Madani, Lewis Flint, Mamta Swaroop, Howard Liu, Thomas Varghese, and Julie Silver). 230 J AM. COLLEGE SURGEONS 355 (2020).
8. *Sexual Harassment in Medicine: Toward Legal Clarity and Institutional Accountability* (with Julie K. Silver), 7 ECLINICALMEDICINE 3 (2019). (editorial)
9. *Micro-inequities in Medicine: Legal and Ethical Implications*, 10 PHYSICAL MED. & REHABILITATION 1106 (2018).
10. *Antitrust, Market Exclusivity, and Transparency in the Pharmaceutical Industry* (with Gregory D. Curfman & Michael A. Carrier), 319 J. AM. MED. ASS'N. 2271 (2018).
  - Nominated for the Best Business Article of the Year, Concurrences Antitrust Law Awards
11. *The Next Forum for Unraveling FDA Off-Label Marketing Rules: State and Federal Legislatures* (with Aaron S. Kesselheim), 15 PLOS MED. e1002564 (2018). (editorial)
  - Discussed in STAT NEWS, BLOOMBERG LAW, MEDSCAPE MEDICAL NEWS, and MANAGED CARE
12. *Pharmaceutical Advertising in Medical Journals: Revisiting an Old Relationship* (with Aaron S. Kesselheim & Jonathan J. Darrow), 153 CHEST 9 (2018). (editorial)
13. *The Effects of the Sunshine Act: What Can and Should We Expect?* (with Aaron S. Kesselheim), 17 AM. J. BIOETHICS 22 (2017).
14. *A Panic Foretold: Ebola in the United States* (with Wendy E. Parmet), 27 CRITICAL PUB. HEALTH 148 (2017).
15. *Disclosure of Errors in Surgical Procedures* (with Marsha G. Ryan & Michele Mekel), 2016, updated 2018. UPTODATE.COM.
16. *Informed Procedural Consent* (with Marsha G. Ryan), 2011, updated 2018. UPTODATE.COM.
17. *Rousseau at the Roundtable – The Social Contract and the Physician's Responsibility to Society*, 13 AMA J. ETHICS 703 (2011).

## Non-Peer Reviewed Scientific or Medical Publications

### Op-eds and Blogs

1. *Patient advocacy organizations and FDA drug approval: Lessons from aducanumab* (with Stephen Latham), STAT NEWS FIRST OPINION, July 23, 2021, <https://www.statnews.com/2021/07/23/patient-advocacy-organizations-lessons-from-aducanumab/>.
2. *Open Letter to FDA Commissioner Stephen Hahn: #ProtectTheFDA*, September 25, 2020, <http://bit.ly/ProtectTheFDA>.
3. *Letter in Support of Dr. Anthony Fauci and His Role in the U.S. COVID-19 Response*, July 17, 2020, <https://cspinet.org/resource/letter-support-dr-anthony-fauci-and-his-role-us-covid-19-response>.



4. *Re-Envisioning Clinical Trials During the COVID-19 Pandemic* (with Deborah Plana and Andrea Arfé), HEALTH AFFAIRS BLOG, July 8, 2020, <https://www.healthaffairs.org/doi/10.1377/hblog20200702.963588/full/>.
5. *Letter to Congress on WHO Withdrawal from Public Health, Law and International Relations Leaders*, June 30, 2020, <https://oneill.law.georgetown.edu/letter-to-congress-on-who-withdrawal-from-public-health-law-and-international-relations-leaders/>.
6. *Letter to Icelandic Minister of Health, Surgeon General, and Chief Epidemiologist: Antibody assay for COVID-19, some legal and ethical issues* (with Hrefna D. Gunnarsdottir), April 17, 2020.
7. *Opinion: Why we should be wary of an aggressive government response to coronavirus* (with Wendy E. Parmet). THE WASHINGTON POST. February 3, 2020, <https://www.washingtonpost.com/outlook/2020/02/03/why-we-should-be-wary-an-aggressive-government-response-coronavirus/>.
8. *Opinion: Vaping bans like Massachusetts' will not stop illness outbreak* (with Shaleen Title), THE PHILADELPHIA INQUIRER, October 7, 2019, <https://www.inquirer.com/opinion/commentary/vaping-ban-massachusetts-new-jersey-pennsylvania-deaths-20191007.html>.
9. *Overwhelming Support for Gender Equity at the AMA* (with Julie K. Silver), DOXIMITY OP-(M)ED, June 14, 2018, <https://opmed.doximity.com/overwhelming-support-for-gender-equity-at-the-ama-526ea22bfb8c>.
10. *The Future of American Science and Medicine* (with Aaron S. Kesselheim), THE SPOKE (blog of the Albright Institute Faculty Scholar Initiative, Wellesley College), July 25, 2017, <https://www.wellesley.edu/albright/about/blog/3516-future-american-science-and-medicine>.
11. *Letter: Professors Call Health Bills a 'Giant Step Backward.'* THE NEW YORK TIMES. June 23, 2017, <https://www.nytimes.com/2017/06/23/opinion/professors-call-health-bills-a-giant-step-backward.html>.
12. *The Current 21st Century Cures Legislation Is Still A Bad Deal For Patients* (with Ameet Sarpatwari), HEALTH AFFAIRS BLOG, November 30, 2016, <http://healthaffairs.org/blog/2016/11/30/the-current-21st-century-cures-legislation-is-still-a-bad-deal-for-patients/>.
13. *Preparing for the 2011-12 flu season* (with Donald R. Graham and David H. Slade), October 18, 2011, SPRINGFIELD STATE JOURNAL-REGISTER, <https://www.sjr.com/article/20111018/NEWS/310189963>.
14. *H1N1 Questions & Answers* (with Donald R. Graham), SPRINGFIELD STATE JOURNAL-REGISTER/BEHEALTHYSRINGFIELD.COM & SANGAMON MEDICAL NEWS, September 23, 2009, <https://goo.gl/ANSVs3>.

#### Newsletters

1. *Monthly Round-Up of What to Read on Pharma Law and Policy* (with Ameet Sarpatwari & Aaron S. Kesselheim), PORTAL LITERATURE SCAN (Program On Regulation, Therapeutics, And Law, Boston, MA), June 2017 – October 2018, <https://www.portalresearch.org/literature-scan.html>.
2. *The Massachusetts Health Insurance Program*, SANGAMON MEDICAL NEWS (Sangamon County Medical Society, Springfield, IL), 2010
3. ACLM Student Editorial Board. LEGAL MEDICINE PERSPECTIVES. (American College of Legal Medicine, Schaumburg, IL), Issues 15(5) –16(3), 2006-2007.
4. *All the latest developments in health care law* (with W. Eugene Basanta & Andrew Roszak) HEALTH CARE LAWYER (Illinois State Bar Association, Springfield, IL), Issues 23(1) – 24(1), 2006-2007.

## Abstracts

1. *Medication Use and Spending Among Adults with Diabetes: Comparing Marketplace and Medicaid Plans* (with Peggah Khorrami, Aditi Bhanja, Heidi L. Allen, Aaron S. Kesselheim & Benjamin D. Sommers), AcademyHealth Annual Research Meeting, June 2021.
2. *#MeToo is Reshaping Medicine — How Will the System Adapt?* (with Sarah J. Diekman), presented at the ACLM 59th Annual Meeting, February 2019, Los Angeles, CA. Published: 41 J. L. MED. 6 (Supp. 1 2020).
3. *The Impact of Tort Reform and Quality Improvements on Medical Liability Claims: A Tale of 2 States* (with Kenneth D. Illingworth, Steven H. Shaha, Tony H. Tzeng & Khaled J. Saleh), presented at the American Academy of Orthopedic Surgery Annual Meeting, March 2013, Chicago, IL.
4. *Professional Responsibility Day: SIU's Educational Initiative that Bridges the Divide between Medical and Law Students* (with Sameer S. Vohra, W. Eugene Basanta & Kristina Dzara), presented at the Association of American Medical Colleges Annual Meeting, Student Programming Showcase, November 2010, Washington, DC.

## Theses

1. *Synthesis of Novel Anti-tumor Alkaloids* (2003) (unpublished undergraduate honors thesis, Dartmouth College) (on file with the Dartmouth College Department of Chemistry).
2. *Improving Healthcare Transitions for Releases from Boston-Area Jails* (2015) (unpublished practicum project, Harvard T.H. Chan School of Public Health) (on file with the Harvard T.H. Chan School of Public Health, Department of Health Policy and Management).

## Committee Service

### Local

2018-	Joint Committee on the Status of Women 2018-: Professional Equity Subcommittee	Harvard Medical School, Member
2010-2012	Human Values & Ethics Committee	Memorial Medical Center, Member
2008-2012	Springfield Committee for Research Involving Human Subjects (SCRIHS)	SIU School of Medicine, Member

### Regional

2019-	Women Physicians Section 2019-: Governing Council Member 2020-: Representative to Minority Affairs Section	Massachusetts Medical Society, Member
2019	Women Physicians Section Task Force	Massachusetts Medical Society, Member
2018-	Committee on Young Physicians 2018-2019: Vice-Chair	Massachusetts Medical Society, Member
2018-	Committee on Communications 2019-: Chair 2019-: Representative to Board Committee on Strategic Planning	Massachusetts Medical Society, Member
2012-2015	Health Equity Committee	Connecticut State Medical Society, Member
2008-2011	Medical-Legal Council	Illinois State Medical Society, Member

### National

2021-	Membership Committee 2021-: Henry Blackwell Circle, Chair	AMWA, Member
2019-	Steering Committee: Revolution by Resolution	American Medical Women's Association, Member

## Professional Societies

2011-2016	American College of Physicians	Member
2007-	American Society of Law, Medicine & Ethics	Member
2007-	American Medical Women's Association (AMWA)	Member
	2019-2020: Revolution by Resolution, Steering Committee	
	2021-: Membership Committee, Henry Blackwell Circle, Chair	
2007-	American Medical Association	Member
	2007-2012: Medical Student Section	
	2012-2015: Resident and Fellow Section (Region Chair 2015-2016)	
	2016-: Young Physicians Section; Academic Physicians Section	
	2018-: Women Physicians Section, Minority Affairs Section	
	2018-: AMA Ambassadors Program	
2007-	State Medical Societies	Member
	2007-2012: Illinois State Medical Society (Board of Trustees 2010-2011)	
	2012-2015: Connecticut State Medical Society	
	2015-: Massachusetts Medical Society	
2007-	County Medical Societies	Member
	2007-2012: Sangamon County Medical Society (Board of Directors 2009-2011)	
	2012-2015: New Haven County Medical Society	
	2015-2017: Norfolk County Medical Society	
	2017-: Suffolk County Medical Society	
2005-	American College of Legal Medicine	Member
	2021-: Program Planning Committee	

## Editorial Activities

### Ad hoc peer reviewer

ACADEMIC MEDICINE	JAMA NETWORK OPEN
ADDICTION	JOHNS HOPKINS UNIVERSITY PRESS
ANESTHESIOLOGY	JOURNAL OF GENERAL INTERNAL MEDICINE
ANNALS OF INTERNAL MEDICINE	JOURNAL OF LAW AND THE BIOSCIENCES
BMJ OPEN	JOURNAL OF PUBLIC HEALTH POLICY
CHEST	PHARMACEUTICAL MEDICINE
CLINICAL THERAPEUTICS	PHARMACOEPIDEMIOLOGY AND DRUG SAFETY
HEALTH AFFAIRS	PLOS ONE
INTL. J. DRUG POL'Y.	PLOS NEGLECTED TROPICAL DISEASES
JAMA	PUBLIC HEALTH REPORTS
JAMA INTERNAL MEDICINE	THE LANCET INFECTIOUS DISEASES

## Other Editorial Roles

2006-2007	Student Editor	JOURNAL OF LEGAL MEDICINE
-----------	----------------	---------------------------

## Honors and Prizes

2021	Wiet Life Science Law Scholar	Loyola University Chicago School of Law	National excellence in legal writing
2021	Distinguished Health Law Guest Scholar	Seton Hall University School of Law	Annual lectureship
2020	Theodore R. LeBlang Distinguished Lecturer	SIU School of Medicine	Annual lectureship

2019	Best Business Article of the Year (Nominated)	Antitrust Writing Awards	National excellence in legal writing
2012	Research Symposium	SIU School of Medicine	3rd place presentation
2010-2011	Dean's Scholarship	SIU School of Medicine	Academic excellence
2010	Joseph E. Johnson Leadership Day Grant	American College of Physicians	Excellence in Leadership
2009-2010	Illinois General Assembly Scholarship	State of Illinois	Academic excellence
2007	Garwin Family Foundation Scholarship	SIU School of Law	Academic excellence
2007	Mayme Lawrence MD/JD Scholarship	SIU School of Law	Academic excellence
2007	Scribes Law Review Award, Student Commentary (Nominated)	American Society of Legal Writers	National excellence in legal writing
2007, 2011	Joe and Irene Dell'Era Scholarship	SIU School of Law	Academic excellence
2007-2008	Dr. James E. Walker Presidential Fellowship	SIU	Academic excellence
2005-2007	Thurgood Marshall Promise Scholarship	SIU School of Law	Academic excellence
2005-2007	Dean's Scholarship	SIU School of Law	Academic excellence
2003	Richter Senior Honors Thesis Research Grant	Dartmouth College	Thesis research
2003	Merck Index Award	Dartmouth College	Academic excellence
2002	Zabriskie Summer Research Fellowship	Dartmouth College	Thesis research
2002	Waterhouse Independent Research Grant	Dartmouth College	Thesis research
2002	Summer Research Award	GlaxoSmithKline	Thesis research
1998	Eagle Scout	Boy Scouts of America	

### **Report of Local Teaching and Training**

#### **Formal Teaching of Students at Harvard Medical School**

2019	Professional Development Week Second-year medical students	HMS 4 hours per lecture for 1 guest lecture
------	---	--

#### **Other Harvard University Courses**

2021	CHADD Mentoring Course: Mentoring Without Borders 2021: The Importance of Sponsorship to Career Advancement in Academic Medicine	Consortium of Harvard Affiliated Offices for Faculty Development and Diversity, Harvard University
2020-2021	Health Law, Policy and Bioethics Masters students in bioethics 2020: Lecture, Public Health Law: SARS-CoV-2 and COVID-19	Teaching assistant, 3 hours per lecture for 14 weeks
2018-2020	Career Advancement and Leadership Skills for Women in Healthcare 2019-2020: Introduction to Policy and Advocacy: A Leadership Skill Set	HMS Continuing Medical Education

2018-2019	Writing, Publishing, and Social Media for Healthcare Professionals 2019: Plenary Session, Health Policy and Advocacy for Healthcare Professionals	HMS Continuing Medical Education
2017-	Bioethics 742: Policy & Ethics Consortium Masters students	HMS Center for Bioethics 4 hours per lecture for 1 guest lecture
2016-	The FDA and Prescription Drugs: Current Controversies in Context (Assistant Course Director)	HarvardX MOOC (massive open online course, live on edX platform multiple times starting March 2019)

### Teaching of Students in Non-Harvard Medical School Courses

2020	A Primer on the Food and Drug Administration; Third- and fourth-year medical students	Health Policy Interest Group, SIU School of Medicine
2020	Advancing Gender Equity in Medicine: Case Studies; Third-year medical students	Department of Medical Humanities, SIU School of Medicine
2015-2016	Core Medicine Clerkship; Third- and fourth-year medical students	Boston Medical Center and Boston University School of Medicine 9 hours per day, 12 weeks per year
2012-2014	Core Medicine Clerkship; Third- and fourth-year medical students	Griffin Hospital 9 hours per day, 12 weeks per year
2003	Teaching Assistant, Genetics; Undergraduate students	Department of Biology, Dartmouth College 15 hours per week, 10-week course
2001	Teaching Assistant, Honors Organic Chemistry; Undergraduate students	Department of Chemistry, Dartmouth College 15 hours per week, two 10-week courses

### Courses Taught at Other Institutions

2022	COVID-19: Current Topics in Pandemic Law and Policy (Spring 2022)	Loyola University Chicago School of Law 2 hours per week, 14-week course
2021-	Problems in Public Health Law (Spring 2021, Summer 2021)	Northeastern University School of Law 3 hours per week, 10-week course
2020-	Patent Law (Winter 2020-2021, Fall 2021)	Northeastern University School of Law 3 hours per week, 10-week course
2020-	Pharmaceutical, Biotechnology and Medical Device Policy (Fall 2020, Spring 2021, Fall 2021)	California State University, East Bay 3 hours per week, 16-week course
2019	Drug Law and Policy (Fall 2019)	Northeastern University School of Law 3 hours per week, 10-week course

### Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)

2021	Grand Rounds: #HeForShe: Recruiting Men in the Fight for Gender Equity (via Webinar)	Department of Internal Medicine, University of Vermont Medical Center, Burlington, VT
2021	Ethics Grand Rounds: #HeForShe: Recruiting Men in the Fight for Gender Equity (via Webinar)	Women in Medicine and Science (WiMS) Committee, Tufts Medical Center, Boston, MA
2021	Grand Rounds: #HeForShe: Recruiting Men in the Fight for Gender Equity (via Webinar)	Departments of Surgery and Anesthesiology, Brigham and Women's Hospital, Boston, MA

2021	Grand Rounds: Recruiting Men in the Fight for Gender Equity (via Webinar)	Department of Anesthesiology, Boston Children's Hospital, Boston, MA
2020	Physician Contracting and Negotiation for Otolaryngologists	Department of Otolaryngology, Massachusetts Eye and Ear Infirmary, Harvard Medical School, Boston, MA
2020	Grand Rounds: #HeForShe: Recruiting Men in the Fight for Gender Equity	Department of Otolaryngology, Massachusetts Eye and Ear Infirmary, Harvard Medical School, Boston, MA
2020	Grand Rounds: #HeForShe: Recruiting Men in the Fight for Gender Equity	Departments of Medical Humanities and Internal Medicine, SIU School of Medicine, Springfield, IL
2020	Basics of Contract Negotiation: What All Internists Need to Know	Department of Internal Medicine, SIU School of Medicine, Springfield, IL
2020	Basics of Contract Negotiation: What All Internists Need to Know	Department of Internal Medicine, Beth Israel-Deaconess Medical Center, Boston, MA
2020	Grand Rounds: #HeForShe: Recruiting Men in the Fight for Gender Equity	Departments of Surgery and Anesthesiology, Brigham and Women's Hospital, Boston, MA
2020	Grand Rounds: #HeForShe: Recruiting Men in the Fight for Gender Equity and Inclusion (via Webinar)	Division of Gastroenterology, Boston Children's Hospital, Boston, MA
2020	Basics of Contract Negotiation: What All Internists Need to Know (via Webinar)	Department of Internal Medicine, University of Vermont Medical Center, Burlington, VT
2019	Building Your Professional Identity On Social Media: A Primer For Academic Scientists	Harvard Program in Therapeutic Science (HiTS), Harvard Medical School
2019	Incentivizing the Development of Novel Antibiotics: New Paradigm Needed?	Laboratory Systems Pharmacology, HiTS, Harvard Medical School, Boston, MA
2019	Grand Rounds: #HeForShe: Recruiting Men in the Fight for Gender Equity	Department of Pediatrics, University of Massachusetts Medical School, Worcester, MA
2019	Physician Contracting and Negotiation for Ophthalmologists	Department of Ophthalmology, Massachusetts Eye and Ear Infirmary, Harvard Medical School, Boston, MA
2017	Work-in-Progress: The Cost to Consumers and Payers of Clinical Trials Performed under the FDA Pediatric Extension	Division of Pharmacoepidemiology and Pharmacoeconomics, Department of Medicine, Brigham and Women's Hospital, Boston, MA
2014	Grand Rounds: An Internist's Guide to Medical Malpractice Law	Department of Medicine, Bridgeport Hospital, Yale-New Haven Health, Bridgeport, CT
2013	Grand Rounds: Lymphoma Presenting as Severe Back Pain	Department of Medicine, Griffin Hospital, Derby, CT
2013	Journal Club: Hospital Readmissions – The Revolving Door	Department of Medicine, Griffin Hospital, Derby, CT
2013	The Cardiologist's Guide to Medical Malpractice Law	Division of Cardiology, Department of Medicine, Bridgeport Hospital, Yale-New Haven Health, Bridgeport, CT
2012	The Affordable Care Act and the Supreme Court: What's Next for Hospitals?	Department of Medicine, Griffin Hospital, Derby, CT
2010	Grand Rounds: New <sup>2</sup> Illinois Involuntary Hospitalization Statute	Department of Psychiatry, SIU School of Medicine, Springfield, IL
2010	Substance Abuse in Pregnancy	Department of Obstetrics and Gynecology, SIU School of Medicine, Springfield, IL

## Formally Supervised Trainees

- 2021- Mahathi Vemireddy, B.A. / J.D. Candidate, Northeastern University School of Law  
Oversight of 1 manuscript under review, focused on First Amendment jurisprudence and abortion policy.
- 2021- Jaclyn Blickley, M.P.H. / J.D. Candidate, Northeastern University School of Law  
Oversight of 1 manuscript under review, focused on fetal pain perception and anti-abortion policy.
- 2021- Amritaa Ganguly, S.B.E., M.S. / J.D. Candidate, Northeastern University School of Law  
Oversight of 1 manuscript in development on the legal and public health implications related to post-acute sequelae of COVID-19 (“Long COVID”).
- 2021- Bon Jae Koo, B.S. / Northeastern University Bouvé College of Health Sciences  
Oversight of senior capstone research project focused on incentives to conduct research in pediatric populations, leading to 1 manuscript in development.
- 2021-2022 Cassandra LaRose, B.S., J.D., M.P.H. / 2021 Graduate, Northeastern University School of Law and Bouvé College of Health Sciences  
Oversight of 1 manuscript on the Hyde Amendment and federal abortion coverage, forthcoming in the American Journal of Law & Medicine.
- 2020-2021 Peggah Khorrami, M.P.H. / Research Assistant, Harvard T.H. Chan School of Public Health, Boston, MA  
Oversight on project evaluating cost sharing for diabetes medications under Medicaid and Exchange health care plans, leading to 1 publication in JAMA Network Open.
- 2020 Hrefna Dögg Gunnarsdóttir, Mag. Jur., M.A. / Ph.D Candidate, Centre for Biomedical Innovation Law (CeBIL), Faculty of Law, University of Copenhagen, Denmark  
Oversight of projects related to international law and COVID-19, leading to 1 publication.
- 2020-2021 Deborah Plana, B.S. / M.D.-Ph.D. candidate, Harvard Medical School Department of Systems Biology and Harvard-MIT HST  
Oversight and collaboration on projects related to clinical trials in the age of COVID-19, leading to 1 publication in the Health Affairs Blog.
- 2020 John Messinger, B.S. / M.D. candidate, Harvard Medical School  
Oversight of project related to involuntary commitment for substance use disorder, leading to 1 publication in the Journal of Law, Medicine, & Ethics.
- 2019-2021 Jessica Bresler, B.A. / Law student, Northeastern University School of Law, Boston, MA  
Oversight of 1 published law review article on the historical relationship between prescribers and opioid manufacturers.
- 2018-2019 Emily H. Jung, A.B. / Research assistant, PORTAL, Boston, MA  
Oversight of project comparing clinical trials for biosimilar approval in the US and Europe, leading to 1 publication.
- 2018-2020 Frazer Tessema, B.A. / Research assistant, PORTAL, Boston, MA  
Oversight of project on high-priced generic drugs, leading to 1 publication.
- 2018-2019 Sarah Diekman, M.D., M.S. / Law student, Florida A&M University, Orlando, FL  
Oversight of projects on (1) Title VII/Title IX and sexual harassment in health care and (2) gender equity in the peer review/credentialing process, leading to 2 posters (February 2019, ACLM 59th Annual Meeting; July 2019, AMWA/MWIA Centennial Congress).
- 2017-2019 Thomas J. Hwang, A.B. / Medical student, Harvard Medical School, Boston, MA  
Oversight of projects on the 21st Century Cures Act and innovation in novel pain medications, leading to 2 publications.
- 2017-2018 Nina Jain, M.D., M.B.A. / Medical resident, Brigham and Women’s Hospital, Boston, MA  
Oversight of project on the 21st Century Cures Act, leading to 1 publication.

## Local Invited Presentations

No presentations below were sponsored by outside entities.

- 2021 Watching This Talk Will Save Your Life: Dealing with Health Misinformation in the COVID Era / Moderator  
PORTAL Health Policy and Bioethics Consortium, Harvard Medical School
- 2021 Professional Social Media Engagement / Panelist (via Webinar)  
Boston Children's Hospital, Cardiology Early Career Initiative
- 2021 Revisiting the Best Pharmaceuticals for Children Act / Speaker (via Webinar)  
Harvard-MIT Center for Regulatory Science, Harvard Medical School
- 2021 Negotiating in Academic Medicine: Strategies and Tactics / Speaker (via Webinar)  
National Institutes of Health – National Research Mentoring Network, Massachusetts General Hospital
- 2021 The ACA in the 2020s: Where Does U.S. National Health Coverage Go From Here? / Moderator  
PORTAL Health Policy and Bioethics Consortium, Harvard Medical School
- 2021 PanFab: Mobilizing Rapid Response to Medical Supply Shortages During the COVID-19 Pandemic / Speaker (via Webinar)  
Annual Steering Committee Meeting, Harvard-MIT Center for Regulatory Science, Harvard Medical School
- 2020 Top Ways Men + Women Can Engage in Promoting Gender Equity in Medicine / Speaker  
Faculty Development Seminar, Department of Medicine, Brigham and Women's Hospital
- 2020 Estimating the Cost of Delayed Generic Drug Entry to Medicaid / Speaker  
Annual Steering Committee Meeting, Harvard-MIT Center for Regulatory Science, Harvard Medical School
- 2020 FDA and EMA Biosimilar Approvals / Speaker  
RegSci Forum, Harvard-MIT Center for Regulatory Science, Harvard Medical School
- 2020 Advancing Gender Equity in Global Surgery / Speaker  
Gender Equity in Global Surgery, Program in Global Surgery and Social Change, Harvard Medical School
- 2020 #HeForShe: Recruiting Men in the Fight for Gender Equity and Inclusion / Speaker (via Webinar)  
Office of Women's Careers, Center for Diversity and Inclusion, Brigham and Women's Hospital
- 2020 Greater Boston Pandemic Fabrication Team: Mobilizing Rapid Response to Medical Supply Shortages During the COVID-19 Pandemic / Speaker (via Webinar)  
Harvard-MIT Center for Regulatory Science, Harvard Medical School
- 2020 Re-Envisioning Clinical Trials During the COVID-19 Pandemic / Speaker (via Webinar)  
Harvard-MIT Center for Regulatory Science, Harvard Medical School
- 2020 Factors Affecting Buprenorphine Utilization and Spending in Medicaid / Speaker (via Webinar)  
Harvard-MIT Center for Regulatory Science, Harvard Medical School
- 2019 Complex Generics: The Case of Advair / Speaker and Moderator  
Annual Symposium, Harvard-MIT Center for Regulatory Science, Harvard Medical School
- 2019 #HeForShe: Recruiting Men in the Fight for Gender Equity / Speaker  
Joint Committee on the Status of Women, Harvard Medical School
- 2019 The Prescription Drug Cost Dilemma: Perspectives from Harvard Faculty / Moderator  
Harvard Ed Portal
- 2019 A Primer on the Food and Drug Administration / Speaker  
Summer Internship Program, Department of Systems Biology, Harvard Medical School



- 2019 Playing Games in the Prescription Drug Market: Cost Implications and Legal Solutions / Moderator  
PORTAL Health Policy and Bioethics Consortium, Harvard Medical School
- 2019 #HeForShe: Recruiting Men in the Fight for Gender Equity / Speaker  
BIDMC Academy, Beth Israel-Deaconess Medical Center
- 2019 Trends in the Clinical Development of New Pain Medications / Speaker  
Harvard-MIT Center for Regulatory Science, Harvard Medical School
- 2018 The US Opioid Epidemic: Where Do We Go from Here? / Moderator  
PORTAL Health Policy and Bioethics Consortium, Harvard Medical School
- 2018 Labeling Changes and Costs for Clinical Trials Performed Under the US Food and Drug Administration Pediatric Exclusivity Extension, 2007 to 2012 / Speaker  
RegSci Forum, Harvard-MIT Center for Regulatory Science, Harvard Medical School
- 2017 The Ethics of Health Care Reform / Moderator  
PORTAL Health Policy and Bioethics Consortium, Harvard Medical School
- 2012 Global Experiences in Medicine: A Medical Student's Perspective / Speaker  
Global Health Forum, SIU School of Medicine
- 2010 Forensic Psychiatry Seminar: Reading a Legal Case: A How-To Guide / Speaker  
PGY-3 psychiatry residents, SIU School of Medicine

### **Report of Regional, National and International Invited Teaching and Presentations**

No presentations below were sponsored by outside entities.

#### **Regional**

- 2022 Generic but Expensive: Why Prices Can Remain High for Off-Patent Drugs / Speaker (via Webinar)  
Drug Law and Policy course, Northeastern University School of Law, Boston, MA
- 2020 Generic but Expensive: Why Prices Can Remain High for Off-Patent Drugs / Speaker (via Webinar)  
Health Law Roundtable, Center for Health Policy and Law, Northeastern University School of Law, Boston, MA
- 2020 Healthcare Worker Safety and PPE / Speaker (via Webinar)  
COVID-19 Law and Social Justice Community Conversations, Center for Health Policy and Law, Northeastern University School of Law, Boston, MA
- 2020 FDA Regulation of Off-Label Promotion / Speaker (via Webinar)  
Drug Law and Policy course, Northeastern University School of Law, Boston, MA
- 2020 COVID-19, Law, and Medicine / Speaker (via Webinar)  
Student Doctors for Health Equity, University of New England College of Osteopathic Medicine, Biddeford, ME
- 2020 Public Health Law: SARS-CoV-2 and COVID-19 / Speaker (via Webinar)  
Undergraduate American Health Care Systems course, Bouvé College of Health Sciences, Northeastern University, Boston, MA
- 2020 Pharmaceutical Policy and Drug Pricing in the U.S. / Speaker (via Webinar)  
Undergraduate American Health Care Systems course, Bouvé College of Health Sciences, Northeastern University, Boston, MA
- 2020 Physician Contracting and Negotiation: Strategies and Pitfalls / Speaker  
DivaDocs Boston (Black women physicians networking group), Boston, MA
- 2019 Ways Men (and Women!) Can Engage in Promoting Gender Equity in Medicine / Speaker  
Joint Meeting, Boston Association of Academic Hospital Medicine and Society of Hospital Medicine, Boston Chapter, Cambridge, MA

- 2018 The Role of Health Services Research in the Opioid Crisis / Speaker  
Undergraduate Health Care Research course, Bouvé College of Health Sciences,  
Northeastern University, Boston, MA
- 2018 A Primer on the Food & Drug Administration / Speaker  
Undergraduate Health Care Research course, Bouvé College of Health Sciences,  
Northeastern University, Boston, MA
- 2018 Walk the Talk – How to Be an Ally: Harnessing Social Media to Turn Principle Into Action /  
Panelist  
Women’s Leadership and Health Forum. Massachusetts Medical Society, Waltham, MA
- 2017 The Cost to Consumers and Payers of Clinical Trials Performed under the FDA Pediatric  
Extension / Speaker  
Center for Health Policy and Law Roundtable, Northeastern University School of Law,  
Boston, MA

### **National**

- 2021 Pharmaceutical Antitrust Law / Speaker (via Webinar)  
Intellectual Property and Health Technologies course, Cornell Law School, Ithaca, NY
- 2021 Henry Blackwell Circle: Allies for Gender Equity Listening Session / Moderator  
American Medical Women’s Association (via Webinar)
- 2021 Pandemic Law and Policy: A Primer / Speaker (via Webinar)  
Health Law Seminar Series, Loyola University Chicago School of Law, Chicago, IL
- 2021 The FDA's Approval of Aducanumab: Implications for Precision Medicine / Speaker (via  
Webinar)  
Georgia State University School of Public Health, Atlanta, GA
- 2021 Session on Leveraging Social Media Networking/ Speaker (via Webinar)  
Regulating Personal Protective Equipment: the COVID-19 Pandemic and Beyond / Speaker  
and Moderator (via Webinar)  
Panel Session on FDA Regulation / Moderator (via Webinar)  
Panel Session on Drug Policy / Moderator (via Webinar)  
44th Annual Health Law Professor’s Conference, Boston, MA
- 2021 Considering Careers in Law, Medicine, and Public Health / Speaker (via Webinar)  
First-Year Seminar in Health Sciences, California State University East Bay, Hayward, CA
- 2021 Patents, Medical Racism, and Pandemics / Panelist (via Webinar)  
Race + IP 2021, Race and Intellectual Property In Crisis. Hosted by Florida A&M University  
School of Law and the Department of Communications at Boston College
- 2021 COVID-19 Vaccine Science: A Community Forum / Speaker (via Webinar)  
Department of Health Sciences, California State University East Bay, Hayward, CA
- 2021 Generic But Expensive: Why Prices Can Remain High For Off-Patent Drugs / Speaker (via  
Webinar)  
Seton Hall University School of Law, Center for Health & Pharmaceutical Law and Policy
- 2021 Public Health Law, Science Communication, and COVID-19 / Speaker (via Webinar)  
ACLM 61<sup>st</sup> Annual Meeting (recorded talk with live Q&A)
- 2021 Addressing Regulatory Exclusivity Issues During the COVID-19 Pandemic / Speaker (via  
Webinar)  
COVID-19 and the Law: The Use of Biotech in the COVID-19 Pandemic (Panel)  
Solomon Center for Health Law and Policy (Yale Law School) and the Petrie-Flom Center  
for Health Law Policy, Biotechnology, and Bioethics (Harvard Law School)

- 2020 Public Health Law Watch #COVIDLawBriefing: What Will Winter Bring? / Speaker (via Webinar)  
Webinar: <https://www.pscp.tv/w/1yoKMAdAqvKkQ>; This Week in Health Law Podcast: [https://mcdn.podbean.com/mf/download/m4tnuq/twihl\\_221.mp3](https://mcdn.podbean.com/mf/download/m4tnuq/twihl_221.mp3).
- 2020 Pharmaceutical Antitrust Law / Speaker (via Webinar)  
Intellectual Property and Health Technologies course, Cornell Law School, Ithaca, NY
- 2020 Addressing the Critical Shortage of Medical Supplies / Speaker (via Webinar)  
2020 Public Health Law Summit, Network for Public Health Law
- 2020 Panel Discussion on Careers in Law and Medicine / Organizer and Speaker  
Harvard Medical School, Boston, MA (two national programs hosted via Webinar)
- 2020 This is What Effective Leaders Do: Diversity, Equity and Inclusion as the Secret Sauce to Successful Teams / Workshop Co-Director  
American College of Physicians Annual Meeting, Los Angeles, CA  
*This presentation was scheduled, then cancelled because of a Covid-19 travel/meeting ban.*
- 2020 Panic, Pandemics, and Public Health: Lessons from the Past / Speaker  
43rd Annual Health Law Professor's Conference, Boston, MA  
*This presentation was scheduled, then cancelled because of a Covid-19 travel/meeting ban.*
- 2020 Public Health Law Watch #COVIDLawBriefing: Drug Development, the Role of the FDA, and Emergency Use / Speaker (via Webinar)  
Webinar: <https://www.pscp.tv/w/1YqKDEQYwleGV>; This Week in Health Law Podcast: [https://twihl.podbean.com/mf/play/xwn3cr/twihl\\_188.mp3](https://twihl.podbean.com/mf/play/xwn3cr/twihl_188.mp3).
- 2020 COVID-19, Historical Pandemics, and the Legal Limitations of Quarantine / Podcast  
Ipse Dixit Podcast: <https://player.acast.com/ipse-dixit/episodes/michael-sinha-on-covid-19-historical-pandemics-and-the-legal>.
- 2020 Episode 68: Legality of COVID-19 Travel Bans and Quarantines / Podcast  
Outspoken Oncology Podcast: <https://soundcloud.com/user-628505078/legality-of-covid-19-travel-bans-and-quarantines-with-michael-sinha>.
- 2020 How Leaders can Harness Diversity and Inclusion to Advance Equity in Medicine / Speaker (via Webinar)  
American Medical Women's Association, Virtual Leadership Development Conference for Physicians (recorded talk with live Q&A)
- 2020 Generic But Expensive: Why Prices Can Remain High For Off-Patent Drugs / Speaker  
Department of Population Health and Policy, SIU School of Medicine, Springfield, IL
- 2019 Generic But Expensive: Why Prices Can Remain High For Off-Patent Drugs / Speaker  
Public Citizen, Health Research and Access to Medicine Groups, Washington, DC
- 2019 Generic But Expensive: Why Prices Can Remain High For Off-Patent Drugs / Speaker  
Loyola University Chicago School of Law, Chicago, IL
- 2019 Generic But Expensive: Why Prices Can Remain High For Off-Patent Drugs / Speaker  
Northern Kentucky University Chase College of Law, Highland Heights, KY
- 2019 Generic But Expensive: Why Prices Can Remain High For Off-Patent Drugs / Speaker  
Mercer University School of Law, Macon, GA
- 2019 The Future of State Drug Price Gouging Laws: Learning from Maryland / Panelist  
Next Steps in Health Reform 2019, American University Washington College of Law, Washington, DC
- 2019 Advocacy Through Engagement: Advancing Health Policy at the Local, Regional and National Level / Speaker  
Women In Medicine Summit, Rush University Medical Center, Chicago, IL
- 2019 #HeForShe, Men Who Champion Women / Panelist  
Women In Medicine Summit, Rush University Medical Center, Chicago, IL

- 2019 Webinar: Advancing Your Agenda 280 Characters at a Time: Using Twitter as an Advocacy Tool / Speaker  
Recognizing and Eliminating disparities in Addiction through Culturally-informed Healthcare (REACH) Program, Yale School of Medicine, New Haven, CT
- 2019 Choose the Tribunal, Choose the Outcome: gender bias in the peer review process / Poster  
American Medical Women's Association/Medical Women's International Association Centennial Congress, New York, NY
- 2019 New Developments in Pharmaceutical Antitrust Law / Speaker  
42nd Annual Health Law Professor's Conference, Chicago, IL
- 2019 Sharpening Your Ambassador Saw Session - Get to the Next Level: Social Media Case Studies / Speaker  
American Medical Association, AMA Ambassadors Retreat, Chicago, IL
- 2019 Basics of Contract Negotiation: What All Internists Need to Know / Speaker  
American College of Physicians, 100th Annual Meeting. Philadelphia, PA
- 2019 Revolution by Resolution: Advancing Gender Equity through Medical Societies State by State / Speaker  
Webinar hosted by the American Medical Women's Association.
- 2018 Expansion of the Priority Review Voucher Program under the 21st Century Cures Act: Implications for Innovation and Public Health / Speaker  
AJLM Symposium: 21st Century Cures Act. Boston University School of Law, Boston, MA
- 2018 The FDA and Off-Label Promotion: Regulating Commercial Free Speech in an Era of Skepticism / Speaker  
41st Annual Health Law Professors Conference, Cleveland, OH
- 2018 Women's Law Caucus Legal Tea on He For She / Speaker  
Florida Agricultural & Mechanical University School of Law, Orlando, FL
- 2017 Legal Approaches to Ensuring Timely Generic Drug Availability / Speaker  
40th Annual Health Law Professors Conference, Atlanta, GA
- 2016 25th Annual National Health Law Moot Court / Appellate Brief Judge  
Center for Health Law & Policy, SIU School of Law
- 2016 The Perils of Panic: Ebola, HIV & the Intersection of Global Health & Law / Speaker  
American Journal of Law & Medicine Symposium: Global Infectious Diseases: New Challenges and Solutions. Boston University School of Law, Boston, MA
- 2015 24th Annual National Health Law Moot Court / Appellate Brief Judge  
Center for Health Law & Policy, SIU School of Law
- 2015 NEJM Group Open Forum, @NEJM Ask The Author and Experts: Too Much Information - Choosing Unshared Decision Making / Lead Moderator  
New England Journal of Medicine, Boston, MA
- 2011 Perinatal Substance Abuse: Perspectives and Future Directions / Speaker  
ACLM 51st Annual Meeting, Las Vegas, NV
- 2011 Uniting Trainees of Medicine and Law: A Survey of Family Practice Residents and Law Students in the Medical Malpractice Law Clinical Rotation Elective / Poster  
ACLM 51st Annual Meeting, Las Vegas, NV
- 2010 Evaluation of a Professional Ethics and Responsibility Program / Poster  
ACLM 50th Annual Meeting, Orlando, FL
- 2009 Off the Books: The Ethics of Off-Label Prescribing of Antidepressants in Pediatric Populations / Speaker  
ACLM 49th Annual Meeting, Las Vegas, NV
- 2007 Bridging the Divide: Reconsidering the FDA's Rule Waiving Informed Consent in Public Health Emergencies / Speaker  
ACLM 47th Annual Meeting, Las Vegas, NV

## **International**

- 2022 Costly Gadgets: Barriers to Market Entry and Price Competition for Generic Drug-Device Combinations in the United States (via Webinar)  
CeBIL Seminar Series, Copenhagen, Denmark
- 2021 COVID-19 and Comparative Intellectual Property Law / Speaker (via Webinar)  
CeBIL Retreat, Copenhagen, Denmark
- 2020 Antibiotic Incentives and Approaches to Identifying Antibiotic Resistance / Speaker  
CeBIL Retreat, Copenhagen, Denmark (via Webinar)
- 2019 Rapid diagnostics to detect antimicrobial resistance: regulatory challenges / Speaker  
CeBIL Annual Symposium, Christ's College, Cambridge, United Kingdom
- 2019 Incentivizing the Development of Novel Antibiotics: New Paradigm Needed? / Speaker  
The London School of Economics and Political Science, Department of Health Policy & Global Health Initiative, London, United Kingdom
- 2019 Antibiotic Incentives and Approaches to Identifying Antibiotic Resistance / Speaker  
CeBIL Retreat, Copenhagen, Denmark
- 2011 Coroners vs. Medical Examiners in the United States: Illinois / Speaker  
Department of Legal Medicine, Aichi Medical University, Nagoya, Japan
- 2011 Art of Medical Scholarship and Manuscript Preparation in the English Language / Speaker  
Department of Public Health, Aichi Medical University, Nagoya, Japan

## **Community Service and Professional Development**

- 2020- Physician Just Equity; Founding Partner (2020-21) & Advisory Board Member (2022-)
- 2019 Experts Meeting: Potential Rx Pricing Strategies for States. National Academy for State Health Policy, Center for State Rx Drug Pricing, Washington, DC
- 2019-2020 Biannual Experts Meetings: NEWDIGS (NEW Drug development paradIGMs), Learning Ecosystems Accelerator for Patient-Centered Sustainable Innovation (LEAPS) Design Lab, MIT Center for Biomedical Innovation, Boston, MA
- 2019 AMA Ambassadors Retreat, American Medical Association, Chicago, IL
- 2016 MEDICC-Harvard Cuba Exchange: Cuban Public Health & Healthcare
- 2016 AMPAC Campaign School, American Medical Association, Washington, DC
- 2014-2015 Boston Health Care for the Homeless Program. Public Health Practicum Project, Harvard T.H. Chan School of Public Health, Boston, MA
- 2011 Joseph E. Johnson Leadership Day. American College of Physicians, Washington, DC
- 2010 AMA Medical Student Lobby Day, American Medical Association, Washington, DC
- 2009-2012 Junaia P. Carter, M.D. 5K Race. Fundraising Organizer, SIU School of Medicine, Springfield, IL
- 2002- Blind Mission Project of Central Illinois. Vice-President, Decatur, IL

The following are recent articles, interviews, and information products in the national and global popular media that cite my research or for which I have served as a contributor:

1. Paul E. Alexis & Elias J. Schisgall, *Legal and Health Experts Discuss Widespread, Dangerous Health Misinformation at Virtual Panel*, THE HARVARD CRIMSON (Nov. 15, 2021), <https://www.thecrimson.com/article/2021/11/15/covid-misinformation-panel/>.
2. Jill Bennett, *Radio interview: Will we see people travelling for booster shots?* 980 CKNW, VANCOUVER, BC, CANADA (Oct. 13, 2021), <https://omny.fm/shows/the-jill-bennett-show/will-we-see-people-travelling-for-booster-shots>.

3. Allie Yang, *Experts question viral video of San Diego deputy's fentanyl encounter*, ABC NEWS (Aug. 9, 2021), <https://abcnews.go.com/US/experts-question-viral-video-san-diego-deputys-fentanyl/story?id=79367328>.
4. Isabella Grullón Paz, *Video of Officer's Collapse After Handling Powder Draws Skepticism*, THE NEW YORK TIMES (Aug. 7, 2021), <https://www.nytimes.com/2021/08/07/us/san-diego-police-overdose-fentanyl.html>.
5. Karen Kucher & Teri Figureroa, *Authorities say San Diego County deputy overdosed after coming in contact with fentanyl*, LOS ANGELES TIMES (Aug. 6, 2021), <https://www.latimes.com/california/story/2021-08-06/im-not-going-to-let-you-die-deputy-overdoses-after-coming-in-contact-with-fentanyl>.
6. Carla Delgado, *Is It a HIPAA Violation to Ask Someone's COVID-19 Vaccination Status?* VERYWELL HEALTH (Jun. 15, 2021), <https://www.verywellhealth.com/hipaa-violation-asking-about-covid-19-vaccination-status-5188689>.
7. John Newton, *A Global Search for Vaccines Fuels a Different Kind of Tourism*, AFAR (May 28, 2021), <https://www.afar.com/magazine/vaccine-tourism-is-on-the-rise>.
8. Jonathan Gardner, *Trump tax law cut what US drugmakers owed. Now they fear an increase*, BIOPHARMA DIVE (May 17, 2021), <https://www.biopharmadive.com/news/pharma-corporate-tax-jobs-tcja-oppose-biden/595899/>.
9. Sam Biddle, *Verizon's NFL COVID-19 Screening Cameras are Based on Bad Science and Questionable Chinese Hardware*, THE INTERCEPT\_ (March 3, 2021), <https://theintercept.com/2021/03/03/covid-verizon-nfl-fever-thermal-imaging/>.
10. Dennis Thompson, *Was FDA Lax in Approving Opioids Too Easily?* HEALTHDAY REPORTER (Sep. 30, 2020), <https://consumer.healthday.com/bone-and-joint-information-4/opioids-990/was-fda-lax-in-approving-opioids-too-easily-761676.html>.
11. Tom Shieh, *Treat us as human beings not viruses*, THE GUAM DAILY POST (Sep. 19, 2020), [https://www.postguam.com/forum/letter\\_to\\_the\\_editor/treat-us-as-human-beings-not-viruses/article\\_5125dc0a-f967-11ea-bca9-c3487929b954.html](https://www.postguam.com/forum/letter_to_the_editor/treat-us-as-human-beings-not-viruses/article_5125dc0a-f967-11ea-bca9-c3487929b954.html).
12. Aaron S. Kesselheim, *Congress Should Support Development of New Treatments for Pediatric Rare Diseases, But Not with Priority Review Vouchers*, Testimony Before the House Committee on Energy and Commerce (Jul. 29, 2020), <https://bit.ly/ASKTestimony>.
13. Beatrice Brown & Benjamin Rome, *To Cut Prescription Drug Spending, Stop Delays for Generic Competition*, PETRIE-FLOM BILL OF HEALTH BLOG (Jul. 24, 2020), <https://blog.petrieflom.law.harvard.edu/2020/07/24/prescription-drug-costs-generic-competition/>.
14. J.D. Tuccille, *Interstate Travel Restrictions Are Just Political Posturing*, REASON (Jun. 29, 2020), <https://reason.com/2020/06/29/interstate-travel-restrictions-are-just-political-posturing/>.
15. Rhiannon Meyers Collette, *Study: Blocking Generic Drugs is a Costly and Common Pharma Tactic*, ARNOLD VENTURES (Jun. 2, 2020), <https://www.arnoldventures.org/stories/study-blocking-generic-drugs-is-a-costly-and-common-pharma-tactic>.
16. *Boston partnership leverages local manufacturing to quickly produce reusable face shields*, AAAS EUREKALERT! (Jun. 18, 2020), [https://www.eurekaalert.org/pub\\_releases/2020-06/cp-bpl061820.php](https://www.eurekaalert.org/pub_releases/2020-06/cp-bpl061820.php).
17. Samira Sadeque, *Panic as NY int'l dorm orders students out amid COVID-19 lockdown*, AL JAZEERA (Mar. 26, 2020), <https://www.aljazeera.com/news/2020/3/26/panic-as-ny-intl-dorm-orders-students-out-amid-covid-19-lockdown>.
18. Christina Bennett, *Federal Ruling Puts Pressure on Clinical Trial Sponsors to Post Data*, CANCER THERAPY ADVISOR (Mar. 11, 2020), <https://www.cancertherapyadvisor.com/home/cancer-topics/general-oncology/cancer-clinical-trial-federal-ruling-pressure-sponsors-post-data/>.
19. Liz Seegert, *Improving Cancer Pain Management Amid the Opioid Crisis*, CANCER THERAPY ADVISOR (Mar. 3, 2020), <https://www.cancertherapyadvisor.com/home/cancer-topics/general-oncology/opioid-crisis-risk-improving-cancer-pain-management/>.

20. Valerie Bauman, *Pharma Pay-For-Delay Deals Called 'Cost of Doing Business'*, BLOOMBERG LAW (Feb. 10, 2020), <https://news.bloomberglaw.com/health-law-and-business/pharma-pay-for-delay-settlements-cost-of-doing-business>.
21. *Opinion Pieces Discuss Novel Coronavirus Outbreak*, KAISER FAMILY FOUNDATION DAILY GLOBAL HEALTH POLICY REPORT (Feb. 3, 2020), <https://www.kff.org/news-summary/opinion-pieces-discuss-novel-coronavirus-outbreak/>.
22. Blake Dodge, *Can Trump Lower the Price of Insulin and EpiPens Without Congress?* NEWSWEEK (Jan. 17, 2020), <https://www.newsweek.com/can-trump-lower-price-insulin-epipens-without-congress-1482795>.
23. U.S. GOV'T ACCOUNTABILITY OFFICE, GAO-20-251, DRUG DEVELOPMENT: FDA'S PRIORITY REVIEW VOUCHER PROGRAMS 24 (2020), <https://www.gao.gov/assets/710/704207.pdf>.
24. *Top Challenges Number 9: Negotiating better contracts*, MEDICAL ECONOMICS (Dec. 19, 2019), <https://www.medicaleconomics.com/news/top-challenges-number-9-negotiating-better-contracts>.
25. Blake Dodge, *Nurse gets probation for prescribing \$2.5 million worth of unnecessary fentanyl to patients for personal profit*, NEWSWEEK (Nov. 26, 2019), <https://www.newsweek.com/nurse-gets-probation-prescribing-millions-worth-unnecessary-fentanyl-major-kickback-scheme-1474232>.
26. Jessica Bartlett, *Cannabis regulators say Mass. DPH won't turn over data on problem vapes*, BOSTON BUSINESS JOURNAL (Nov. 22, 2019), <https://www.bizjournals.com/boston/news/2019/11/22/cannabis-regulators-say-mass-dph-wont-turn-over.html>.
27. Erin Mercer, *Making the World a Better Place for Tomorrow's Women In Medicine*, DOXIMITY OP-(M)ED (Oct. 8, 2019), <https://opmed.doximity.com/articles/making-the-world-a-better-place-for-tomorrow-s-women-in-medicine>.
28. Naomi Martin, *First vaping-related death reported in Mass*, THE BOSTON GLOBE (Oct. 7, 2019), <https://www.bostonglobe.com/news/marijuana/2019/10/07/first-vaping-related-death-reported-mass/D9xdSAGrXIM46VL2PAXUuN/story.html>.
29. Brigham and Women's Hospital, *Look Who's Talking: Three Facts, Five Scientists*, BRIGHAM CLINICAL & RESEARCH NEWS, (Sep. 6, 2019), <https://bwhclinicalandresearchnews.org/2019/09/06/look-whos-talking-three-facts-five-scientists/>.
30. Julie Anderson, *Lincoln man's lifesaving drug rings up at \$102,296 a month when insurance denies claim*, OMAHA WORLD-HERALD (Aug. 24, 2019), [https://www.omaha.com/livewellnebraska/consumer/lincoln-man-s-lifesaving-drug-rings-up-at-a-month/article\\_750730db-cf36-5ffd-ab8f-1cb8f8442b51.html](https://www.omaha.com/livewellnebraska/consumer/lincoln-man-s-lifesaving-drug-rings-up-at-a-month/article_750730db-cf36-5ffd-ab8f-1cb8f8442b51.html).
31. *AMWA Member Spotlight — Michael Sinha*, AMERICAN MEDICAL WOMEN'S ASSOCIATION (Aug. 1, 2019), <https://www.amwa-doc.org/news/amwa-member-spotlight-michael-sinha/>.
32. Ann Burgess, *Tackling high Rx prices – Faculty behind Ed Portal's FDA course give panel discussion*, THE HARVARD GAZETTE (May 17, 2019), <https://news.harvard.edu/gazette/story/2019/05/harvard-faculty-behind-fda-course-discusses-high-rx-prices/>.
33. Jonathan Gardner, *Biopharma happily takes the tax cuts, but the jobs are harder to find*, BIOPHARMA DIVE (May 9, 2019), <https://www.biopharmadive.com/news/biopharma-happily-takes-the-tax-cuts-but-the-jobs-are-harder-to-find/553925/>.
34. Gregory Twachtman, *How to incorporate the gender wage gap into contract negotiations*, CLINICAL NEUROLOGY NEWS (Apr. 19, 2019), <https://www.mdedge.com/neurology/article/199226/business-medicine/how-incorporate-gender-wage-gap-contract-negotiations>.
35. Chris Mazzolini, *ACP 2019: Contract negotiation: What physicians need to know*, MEDICAL ECONOMICS (Apr. 11, 2019), <https://www.medicaleconomics.com/acp/acp-2019-contract-negotiation-what-physicians-need-know/>.
36. Milly Dawson, *Insider trading: What it is and how to avoid it*, MEDICAL ECONOMICS (Jan. 15, 2019), <https://www.medicaleconomics.com/business/insider-trading-what-it-and-how-avoid-it>.

37. Alex Kacik, *Federal investigation finds holes in orphan drug approval process*, MODERN HEALTHCARE (Dec. 4, 2018), <https://www.modernhealthcare.com/article/20181204/NEWS/181209980>.
38. Julie K. Silver, *Ethical leaders: use science to advance gender equity in medicine*, STAT NEWS (Nov. 13, 2018), <https://www.statnews.com/2018/11/13/use-science-advance-gender-equity-medicine/>.
39. Sarah Karlin-Smith, Sarah Oweremohle, *Are we paying too much for pediatric drug trials?* POLITICO PRESCRIPTION PULSE (Nov. 12, 2018), <https://www.politico.com/newsletters/prescription-pulse/2018/11/12/drug-prices-and-ip-rights-to-come-up-at-review-of-nafta-408150>.
40. Tanya Basu, *'Stay In Your Lane': After California Shooting, Doctors Hit Back at NRA for Trying to Silence Them Over Guns*, THE DAILY BEAST (Nov. 8, 2018), <https://www.thedailybeast.com/doctors-hit-back-at-nra-for-trying-to-silence-them-over-guns>.
41. Christine Hauser, *'Are You Actually an M.D.?' : A Black Doctor Is Questioned as She Intervenes on a Delta Flight*, THE NEW YORK TIMES (Nov. 2, 2018), <https://www.nytimes.com/2018/11/02/us/delta-black-doctor-racial-profiling.html>.
42. Kellie Hwang, *'Are you really a doctor?' : Physician on flight says she was racially profiled*, INDIANAPOLIS STAR (Nov. 2, 2018), <https://www.indystar.com/story/news/2018/11/02/dr-fatima-cody-stanford-tamika-cross-delta-airlines-racial-profiling/1856290002/>.
43. Nia Hamm, *Doctor Says She Was Racially Profiled on Delta Flight*, NBC 10 BOSTON (Nov. 1, 2018), <https://www.nbcboston.com/news/local/Massachusetts-General-Hospital-Doctor-Says-She-Was-Racially-Profiled-While-Helping-Patient-on-Delta-Flight-499354991.html>.
44. Erica Noonan, *The Why, How, Pros, and Cons of Online Physician Communities*, MASSACHUSETTS MEDICAL SOCIETY VITAL SIGNS (Oct. 2018), <http://www.massmed.org/News-and-Publications/Vital-Signs/The-Why,-How,-Pros,-and-Cons-of-Online-Physician-Communities/>.
45. Bob Kronemyer, *The state of off-label drug laws*, DERMATOLOGY TIMES (Oct. 12, 2018), <http://www.dermatologytimes.com/fda/state-label-drug-laws>.
46. *Costs of pivotal trials and paediatric trials high in USA*, PHARMACOECONOMICS & OUTCOMES NEWS (Oct. 6, 2018), <https://link.springer.com/article/10.1007/s40274-018-5314-3>.
47. Marcia Frellick, *The True Costs of Pivotal Trials That Support FDA Approval*, MEDSCAPE (Oct. 1, 2018), <https://www.medscape.com/viewarticle/902776>.
48. Ed Silverman, *A grand bargain or a bad deal? Pharma runs pediatric trials to win incentives, but consumers pay a price*, STAT NEWS (Sep. 26, 2018), <https://www.statnews.com/pharmalot/2018/09/26/pediatric-trials-incentives-consumers/>.
49. Zachary Brennan, *Do the Rewards of Pediatric Exclusivity Outweigh the Benefits? Researchers Discuss*, REGULATORY FOCUS (Sep. 26, 2018), <https://www.raps.org/news-and-articles/news-articles/2018/9/do-the-rewards-of-pediatric-exclusivity-outweigh-t>.
50. Zachary Brennan, *Researchers Point to R&D Treaty to Spur New Infectious Disease Treatments*, REGULATORY FOCUS (Sep. 24, 2018), <https://www.raps.org/news-and-articles/news-articles/2018/9/researchers-point-to-rd-treaty-to-spur-new-infect>.
51. Julie K. Silver, *White Paper: Ending Gender Workforce Disparities is an Ethical Imperative*, SHE LEADS HEALTHCARE (Sep. 17, 2018), <http://sheleadshealthcare.com/wp-content/uploads/2018/09/Be-Ethical-Campaign.pdf>.
52. Lucy Berrington & Jillian Pedrotty, *Massachusetts Physicians Push the AMA to Lead on Gender Pay Equity*, MASSACHUSETTS MEDICAL SOCIETY VITAL SIGNS (Sep. 2018), <http://www.massmed.org/News-and-Publications/Vital-Signs/Massachusetts-Physicians-Push-the-AMA-to-Lead-on-Gender-Pay-Equity/>
53. Andy McDonald, *Female Physicians 'Do Not Work As Hard,' Male Doctor Tells Medical Journal*, HUFFINGTON POST (Sep. 2, 2018), [https://www.huffingtonpost.com/entry/texas-doctor-tells-dallas-medical-journal-female-physicians-do-not-work-as-hard\\_us\\_5b8bf2afe4b0162f47248e97](https://www.huffingtonpost.com/entry/texas-doctor-tells-dallas-medical-journal-female-physicians-do-not-work-as-hard_us_5b8bf2afe4b0162f47248e97).
54. Richard Mark Kirkner, *Trying to Sidestep Off-Label Dance-Around*, MANAGED CARE (Jul. 2, 2018), <https://www.managedcaremag.com/archives/2018/7/trying-sidestep-label-dance-around>.



55. Sam Dorman, *Harvard Hospital Wanted To Be More Diverse, So It Removed Portraits Of White Male 'Luminaries'*, IJR (Jun. 15, 2018), <https://ijrnew.flywheelsites.com/harvard-hospital-removes-white-male-portraits/>.
56. Dave Ross, *Interview: The government's inability, or disinterest, regarding lowering drug prices*, KIRO RADIO/SEATTLE MORNING NEWS (May 15, 2018), [http://mynorthwest.com/category/podcast\\_player/?a=10030934&sid=1005&n=Seattle%27s+Morning+News+with+Dave+Ross](http://mynorthwest.com/category/podcast_player/?a=10030934&sid=1005&n=Seattle%27s+Morning+News+with+Dave+Ross).
57. Kerry Dooley Young, *New Efforts Taking Root to Ease Off-Label Drug Promotion*, MEDSCAPE MEDICAL NEWS (May 15, 2018), <https://www.medscape.com/viewarticle/896664>.
58. Brenna Goth, *Will States Push for Drug Promotion for 'Off-Label' Uses?* BLOOMBERG LAW (May 11, 2018), <https://news.bloomberglaw.com/health-law-and-business/will-states-push-for-drug-promotion-for-off-label-uses>.
59. Ed Silverman, *Tennessee becomes the second state to pass a law allowing pharma to promote off-label uses*, STAT NEWS (May 10, 2018), <https://www.statnews.com/pharmalot/2018/05/10/tennessee-off-label-law/>.
60. Zachary Brennan, *Updated: Off-Label Promotion: Are FDA's Rules About to Unravel?* REGULATORY FOCUS (May 8, 2018), <https://www.raps.org/news-and-articles/news-articles/2018/5/off-label-promotion-are-fdas-rules-about-to-unra>.
61. Michael Wilcox, *Is Social Media Useful in Understanding Side Effects?* MEDSHADOW (May 7, 2018), <https://medshadow.org/features/social-media-side-effects/>.
62. Lindsay Kalter, *Docs: Medicare failing addicted seniors*, BOSTON HERALD (Apr. 26, 2018), [http://www.bostonherald.com/lifestyle/health/2018/04/docs\\_medicare\\_failing\\_addicted\\_seniors](http://www.bostonherald.com/lifestyle/health/2018/04/docs_medicare_failing_addicted_seniors).
63. Dave Ross, *No wonder prescription drug prices aren't cheaper yet*, KIRO RADIO (Mar. 19, 2018), <http://mynorthwest.com/930850/prescription-drug-prices/>.
64. Dave Ross, *Interview: What the President can and cannot do to affect drug prices*, KIRO RADIO/SEATTLE MORNING NEWS (Mar. 7, 2018), [http://mynorthwest.com/category/podcast\\_player/?a=10028422&sid=1005&n=Seattle%27s+Morning+News+with+Dave+Ross](http://mynorthwest.com/category/podcast_player/?a=10028422&sid=1005&n=Seattle%27s+Morning+News+with+Dave+Ross).
65. Park Do-young, *Government should actively use SNS to spread information on drug safety – US researchers use FDA social media analysis*, MEDI:GATE NEWS (Jan. 16, 2018), <http://www.medigatenews.com/news/1063614257>.
66. Sy Mukherjee, *FDA communications in the social media era*, FORTUNE (Jan. 11, 2018), <http://fortune.com/2018/01/11/brainstorm-health-daily-01-11-18/>.
67. Zack Budryk, *Study: FDA Should Increase Social Media Use to Issue Safety Information*, FDA NEWS (Jan. 10, 2018), <https://www.fdanews.com/articles/185186-study-fda-should-increase-social-media-use-to-issue-safety-information>.
68. Michael Mezher, *New Study Looks at FDA's Use of Social Media to Communicate on Drug Safety*, REGULATORY FOCUS (Jan. 9, 2018), <http://www.raps.org/Regulatory-Focus/News/2018/01/09/29158/New-Study-Looks-at-FDAs-Use-of-Social-Media-to-Communicate-on-Drug-Safety/>.
69. Dean Celia, *What Should Payers Do To Prepare for 2018, Cover Story Part 2*, FIRST REPORT MANAGED CARE (Dec. 21, 2017), <https://www.managedhealthcareconnect.com/article/december-cover-story-health-reform-remains-unclear-heading-2018-part-2>.
70. Dean Celia, *Health Reform Remains Unclear Heading Into 2018, Cover Story Part 1*, FIRST REPORT MANAGED CARE (Dec. 20, 2017), <https://www.managedhealthcareconnect.com/article/december-cover-story-health-reform-remains-unclear-heading-2018-part-1>.
71. Massachusetts Medical Society, *2017 Interim Meeting Special Edition*, VITAL SIGNS THIS WEEK (Dec. 4, 2017), <http://www.massmed.org/News-and-Publications/Vital-Signs-This-Week/2017-Interim-Meeting-Special-Edition/>.
72. Joel T. Dodge, *Determinants of Market Exclusivity for Prescription Drugs in the United States*, THE COMMONWEALTH FUND (Sep. 13, 2017), <http://www.commonwealthfund.org/publications/in-the-literature/2017/sep/determinants-market-exclusivity-prescription-drugs>.

73. Karen Appold, *The 21st Century Cures Act*, ENT TODAY (Aug. 15, 2017), <http://www.enttoday.org/article/legislation-provides-4-8-billion-funding-advance-biomedical-research-across-spectrum/>.
74. Larry E. Singer, Edward Hutchinson, et al., *Letter: Professors Call Health Bills a 'Giant Step Backward,'* THE NEW YORK TIMES (Jun. 23, 2017), <https://www.nytimes.com/2017/06/23/opinion/professors-call-health-bills-a-giant-step-backward.html> and <https://bit.ly/WeStandForAccess>.
75. Dean Celia, *Health Care Reform: What Can Payers Expect from Washington?* FIRST REPORT MANAGED CARE (Jun. 9, 2017), <http://www.managedhealthcareconnect.com/article/health-care-reform-what-can-payers-expect-washington>.
76. *American Medical Association (AMA) Wire profile – Dr. Sinha: The moment I knew medicine was my calling*, AMERICAN MEDICAL ASSOCIATION (May 8, 2017), <https://wire.ama-assn.org/life-career/dr-sinha-moment-i-knew-medicine-was-my-calling>.
77. Bryant Furlow, *Industry Payments Influence Research, Prescribing, and Advocacy*, CANCER THERAPY ADVISOR (Mar. 9, 2017), <http://www.cancertherapyadvisor.com/general-oncology/cancer-clinical-trials-industry-payments-influence-research-results/article/641835/>.
78. Dean Celia, *Payer Roundtable: The 21<sup>st</sup> Century Cures Act*, FIRST REPORT MANAGED CARE (Jan. 23, 2017), <http://www.managedhealthcareconnect.com/article/payer-roundtable-21st-century-cures-act>.
79. Melinda Young, *The 21st Century Cures Act Easily Passed, But is it Good for Research Protection?* IRB ADVISOR (Jan. 17, 2017), <https://www.ahcmedia.com/articles/print/139951-the-21st-century-cures-act-easily-passed-but-is-it-good-for-research-protection>.
80. Alicia Ault, *Cleveland Clinic Wellness Doctor Backs Off Antivaccine Column*, MEDSCAPE MEDICAL NEWS (Jan. 9, 2017), <http://www.medscape.com/viewarticle/874207>.
81. Casey Ross & Eric Boodman, *Anti-Vaccine Rant Exposes Conflict Over Hospitals' Embrace of Alternative Medicine*, STAT NEWS (Jan. 9, 2017), <https://www.statnews.com/2017/01/09/hospitals-embrace-alternative-medicine/>.
82. *FDA Commissioner Shares Agency's Top Priorities at BWH Forum*, BWH BULLETIN (Nov. 4, 2016), <https://bwhbulletin.org/2016/11/04/fda-commissioner-shares-agencys-top-priorities-at-bwh-forum/>.
83. Edward J. Cyran, *Avoiding Insider Trading Liability*, HEALTH CARE LAW MATTERS (Oct. 19, 2015), <https://healthcarelawmatters.foxrothschild.com/2015/10/articles/health-care-providers/medical-practices/avoiding-insider-trading-liability/>.