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## EDUCATION

- 2010–2013 *University of California, San Diego – School of Medicine & San Diego State University*  
Joint Doctoral Degree Program in Global Public Health  
Doctor of Philosophy (PhD) in Global Public Health  
Dissertation: “Global Governance and Diplomacy Solutions for Counterfeit Medicines”
- 2011 *Graduate Institute, Geneva*  
Executive Course, Global Health Diplomacy
- 2007-2009 *University of California, San Diego – School of Medicine & California Western School of Law*  
Joint Masters Degree Program in Health Policy and Law  
Masters in Advanced Studies (MAS) in Health Policy and Law
- 1998-2002 *University of California, San Diego*  
Department of Political Science, Thurgood Marshall College  
Bachelor of Arts in Political Science – International Relations  
Minor: Japanese Studies  
Education Abroad Program: Department of Law, Kyoto University, Japan, Academic Year 2000-2001  
Provost Term Honors: Fall 1998 and Spring 2002

## PROFESSIONAL EMPLOYMENT

- 2014–present Associate Director, Joint Masters Degree Program in Health Policy and Law, University of California, San Diego School of Medicine – California Western School of Law, San Diego, USA
- 2014–present Director, Global Health Policy Institute, San Diego, USA
- 2013–present Assistant Professor, Joint Appointment Department of Anesthesiology and Division of Global Public Health, School of Medicine, University of California, San Diego, USA
- 2012–2013 Coordinator for Global Health Research, MAS Program in Health Law and Policy, School of Medicine, University of California, San Diego, USA
- 2012–2013 Clinical Instructor, Department of Anesthesiology, School of Medicine, University of California, San Diego, USA
- 2010–2013 Senior Research Associate, Institute of Health Law Studies, California Western School of Law, San Diego, USA
- 2013 Intern, Department of Public Health, Innovation, and Intellectual Property, World Health Organization, Geneva, Switzerland
- 2006–2014 Senior Legal and Compliance Specialist, ResMed Inc. (private sector), San Diego, USA (awarded Continuous Improvement Award and nominated 3 times for employee of the quarter)
- 2004–2006 Corporate Paralegal, Nobel Ltd. (private sector), San Diego, USA

- 2002–2003 Assistant Language Teacher, Yokohama Board of Education (JET Program), Yokohama, Japan
- 2000–2001 Undergraduate Research Assistant, Department of Integrated Human Studies, Kyoto University, Kyoto, Japan

## **CONSULTANCIES**

- 2016–present Consultant, U.S. Department of Justice
- 2016 Consultant, Ergo
- 2016–present Senior Analyst, Wikistrat
- 2015–present Council Member, Gerson Lehrman Group
- 2014 Consultant, Abraham, Fruchter & Twersky, LLP, New York, New York
- 2013, 2016 Consultant, Department of Public Health, Innovation, and Intellectual Property (2013), Essential Medicines and Health Products (2016), World Health Organization, Geneva, Switzerland

## **PROFESSIONAL ACTIVITIES**

### Memberships in Professional Organizations/Societies

- 2017–present UC San Diego Center for Drug Discovery Innovation, Member
- 2017–present National Institutes of Health, Center for Scientific Review, Early Career Reviewer Program, Reviewer
- 2016–2017 IEEE Standards Association, Blockchain Special Interest Group, Member
- 2016–present WHO Collaborating Centre for Governance, Accountability and Transparency in the Pharmaceutical Sector, Fellow
- 2016–present Center for Health Trends and Forecasts, Institute for Health Metrics and Evaluation, Affiliate
- 2016–present UC San Diego Undergraduate Global Health Program, Affiliated Faculty
- 2014–present Moores Cancer Center, Associate Member
- 2014–present Calit2 Strategic Research Opportunities Program, Investigator
- 2013–present Council on Foreign Relations, Stephen M. Kellen Term Membership Program
- 2013–present Bouchet Graduate Honor Society, lifetime member
- 2013–present Delta Omega Honor Society, Sigma Chapter
- 2010–present American Public Health Association, member
- 2012–2013 American College of Healthcare Executives, student member
- 2012–2013 Golden Key International Honour Society, student member
- 2012–2013 Phi Kappa Phi, student member
- 2011–2012 Scholars Without Borders, student member

### Journal Editorial Service

- 2016–present Section Editor, Global Health, BMC Public Health
- 2016–present Editorial Board, BMC Medicine
- 2016–present Editorial Board, Global Health Governance
- 2013–2016 Associate Editor, BMC Public Health
- 2014–2015 Article Editor, SAGE Open

### Academic Committees/University Service/Professional Participation

- 2017-present Global Health Program Advisory Committee, UC San Diego – Global Health Program, Committee Member
- 2017 IEEE Standards Association, Pharma Supply Blockchain Forum, Advisory Board Member
- 2016 Problem Sponsor and Mentor, IEEE Standards Association, Advancing HealthTech for Humanity Series™, Virtual Blockchain Workshop

2015 Moderator, 2015 UC San Diego FISP Symposium  
 2015 Faculty Judge, UCSD Grad Slam Competition  
 2014–2015 Member, Policy Committee, International Health Section, American Public Health Association  
 2014–present Member, Advisory Board for Medical Writing and Editing Certificate, UC San Diego – Extension  
 2014–present Academic Program Representative, UC San Diego, Office of Graduate Studies Commencement 2014, 2015  
 2014 Moderator, UC Global Health Day 2014, Breakout Session, UC Davis  
 2013–present Program Planning Chair, Trade and Health Forum, American Public Health Association  
 2012–2013 Co-Chair, Good Governance in Global Health Project, UC San Diego – University of Toronto  
 2012-2013 Chair, American Public Health Association, Trade and Health Forum (forum awarded 2012 APHA Education Board Award for Excellence)  
 2012 Participant, University of California Graduate Research Advocacy Day  
 2012 Panelist, UC San Diego-Extension, Showcase  
 2011-2012 Secretary, Trade and Health Forum, American Public Health Association,  
 2009-2013 Member, CME Committee, Institute of Health Law Studies, California Western School of Law

#### Invited Expert to International, Scientific Consultations and Committees

2016 Invited Participant, Duke Margolis Center for Health Policy, Workshop: “Pharmaceutical Compliance and Enforcement to Achieve Drug Quality: Establishing a Strategic Framework of Outcomes with Performance Indicators”  
 2015 Invited Participant, U.S. Department of State, Office of Global Partnerships, Communications Roundtable, “Educating Consumers on the Dangers of Illegitimate Online Pharmacies”  
 2015 Invited Participant, J. Craig Venter Institute, San Diego Policy Network Meeting  
 2015 Co-Moderator, Applied Global Health Diplomacy Invited Scientific Session, Global Health Events, American Public Health Association Annual Meeting 2015  
 2014 Invited Participant, Kaiser Family Foundation, Corruption and Global Health: A Policy Roundtable  
 2014–present Member, Academic Advisory Panel, Alliance for Safe Online Pharmacies  
 2014 Expert Respondent, The World Justice Project, WJP Rule of Law Index Report  
 2013 Invited Participant, World Health Organization Expert Consultation on Security and Trust of Health Internet, Geneva, Switzerland  
 2013 Expert Speaker, U.S. Department of State, Bureau of International Information Programs  
 2013 Moderator, “Biology’s Brave New World” Discussant: Laurie Garrett, Council on Foreign Relations Annual Term Member Meeting 2013, Manhattan, New York City  
 2013 Invited Participant, “Reducing the Threat of Counterfeit and Unapproved Drugs in Clinical Settings”, Engelberg Center for Healthcare Reform, Brookings Institution, Washington D.C.  
 2013 Invited Participant, Technical Conference on the Trafficking in Fraudulent Medicines, UN Office of Drugs and Crime, Vienna Austria  
 2012–present Moderator, American Public Health Association Annual Meeting, Trade and Health Forum  
 2012 Invited Participant, Association of Schools of Public Health Student Leadership Institute  
 2012 Invited Participant, Roundtable on Bioethics and Drug Shortages, Rady Children’s Hospital

#### Grant Review

2015 Research Council of Norway, Global Health and Vaccination Program (GLOBVAC)

2014 Welcome Trust, Multi-user Equipment, Biomedical Resource or Technology Development Grant

Professional/Ad-hoc Advising: U.S. Food and Drug Administration; U.S. Federal Bureau of Investigation; Chief Investigative Counsel, U.S. Senate Committee on Commerce, Science & Transportation; Chief Investigative Counsel, U.S. House Energy and Commerce Committee; The National Academies of Sciences, Engineering, and Medicine; CEPI

#### Accredited Educational Activities

2014 Faculty, “Shifting Paradigms: Medical Ethics, Public Health Ethics, and the Law – Part III: Ethics and the Law: Mapping the Patient Safety Terrain” American Health Lawyers Association, December 16, 2014 (CLE Accredited Activity)

2014 Faculty, “Internet Drug Sellers: What Providers Need to Know” Alliance for Safe Online Pharmacies, available online from January 2015 (CME Accredited Activity)

#### Invited Educational Webinars

2016 Invited Panelist, Webinar “Blockchain in Pharma”, IEEE Standards Association, December 15, 2016.

2016 Invited Guest Faculty, Webinar “Counterfeit Medicines in Developing and Developed Nations: Consequences to Public Health”, Trident University International, Public Health Talks, February 12, 2016, see event details at: <https://www.trident.edu/webinars/public-health-talks/>

2015 Invited Panelist, Webinar “Internet Drug Sellers: The Debate on Off-Label Promotion: Amarin Ruling”, FDANews, August 31, 2015, see event details at: <http://www.fdanews.com/debateofflabelpromo>

#### Journal Review (see Publons profile at: <https://publons.com/author/304712/tim-mackey#profile>)

2017–present Reviewer, IEEE Access

2017–present Reviewer, BMJ Global Health

2017–present Reviewer, BMJ Paediatrics Open

2017–present Reviewer, Tobacco Prevention & Cessation

2016–present Reviewer, Science Translational Medicine

2016–present Reviewer, Medical Anthropology

2016–present Reviewer, Pharmacoepidemiology & Drug Safety

2016–present Reviewer, The Lancet Diabetes & Endocrinology

2016–present Reviewer, Health Policy and Planning

2016–present Reviewer, Pharmaceutical Medicine

2016–present Reviewer, Drug and Alcohol Review

2016–present Reviewer, Expert Opinion on Orphan Drugs

2016–present Reviewer, The European Journal of Health Economics

2016–present Reviewer, The American Journal of Drug & Alcohol Abuse

2016–present Reviewer, Nursing Ethics

2016–present Reviewer, BMC Medicine

2016–present Reviewer, Alcohol and Alcoholism

2016–present Reviewer, Journal of Complementary and Integrative Medicine

2016–present Reviewer, BMC Anesthesiology

2016 Book Proposal Reviewer, Oxford University Press

2016 Reviewer, Delphi Consensus Study, ONLINE-MedQUARG

2016 Reviewer, Cochrane Consumers and Communication Review Group

2015–present Reviewer, New England Journal of Medicine

2015–present Reviewer, British Journal of Anaesthesia

2015–present Reviewer, Global Health Governance

2015–present Reviewer, Mayo Clinic Proceedings

2015–present Reviewer, JMIR Public Health & Surveillance  
 2015–present Reviewer, Development in Practice  
 2015–present Reviewer, Journal of Health Communication  
 2015–present Reviewer, BMJ Quality & Safety  
 2015–present Reviewer, International Journal of Health Policy and Management  
 2015–present Reviewer, Substance Use and Misuse  
 2015–present Reviewer, Medical Care Research and Review  
 2015–present Reviewer, Nicotine & Tobacco Research  
 2015–present Reviewer, Harm Reduction Journal  
 2015–present Reviewer, Victims & Offenders  
 2015–present Reviewer, Human Resources for Health  
 2015–present Reviewer, Journal of Health Diplomacy  
 2015–present Reviewer, Palgrave Communications  
 2015–present Reviewer, Postgraduate Medicine  
 2015–present Reviewer, JMIR Cancer  
 2015–present Reviewer, BMC Complementary & Alternative Medicine  
 2015–present Reviewer, Substance Abuse Treatment, Prevention, and Policy  
 2014–present Reviewer, JAMA  
 2014–present Reviewer, PLoS One  
 2014–present Reviewer, Pediatrics  
 2014–present Reviewer, Clinical Microbiology and Infection  
 2014–present Reviewer, Research in Social & Administrative Pharmacy  
 2014–present Reviewer, Future Virology  
 2014–present Reviewer, Therapeutics and Clinical Risk Management  
 2014–present Reviewer, Yale Journal of Health Policy, Law, and Ethics  
 2014–present Reviewer, International Journal for Quality in Health Care  
 2014–present Reviewer, Computers in Human Behavior  
 2014–present Reviewer, Asian Journal of Criminology  
 2013–present Reviewer, American Journal of Public Health  
 2013–present Reviewer, Global Public Health  
 2013–present Reviewer, Applied Clinical Informatics  
 2013–present Reviewer, CMAJ  
 2013–present Reviewer, BMJ  
 2013–present Reviewer, The Cochrane Effective Practice and Organisation of Care (EPOC) Group  
 2013–present Reviewer, BMC Health Services Research  
 2012–present Reviewer, American Journal of Preventative Medicine  
 2012–present Reviewer, Journal of Medical Internet Research  
 2012–present Reviewer, BMC International Health and Human Rights  
 2012–present Reviewer, Tobacco Control  
 2012–present Reviewer, Drug and Alcohol Dependence  
 2012–present Reviewer, The American Journal of Drug and Alcohol Abuse  
 2012–present Reviewer, Journal of Translational Medicine  
 2012–present Reviewer, Global Health Action  
 2012–present Reviewer, PLoS Medicine  
 2012–present Reviewer, Bulletin of the World Health Organization  
 2012–present Reviewer, Journal of Public Health  
 2012–present Reviewer, Annals of Internal Medicine  
 2012–present Reviewer, BMJ Open  
 2011–present Reviewer, International Journal of Occupational and Environmental Health  
 2011–present Reviewer, Journal of Law, Medicine & Ethics  
 2011–present Reviewer, Journal of Mass Communication & Journalism  
 2011–present Reviewer, Progress in Community Health Partnerships: Research Education and Action

2012	Report Reviewer, U4 Anti-Corruption Resource Centre
2012–present	Conference Reviewer, American Public Health Association Annual Meeting
2012–2014	Conference Reviewer, Medicine 2.0' 12, 14
2012–2014	Conference Reviewer, World Congress on Public Health (WFPHA) Annual Meetings

## HONORS AND AWARDS

### Awards for Scholarship and Merit

2016	National Institute on Drug Abuse, Diversity Scholars Network Professional Development Workshop Award
2013	Jean Fort Dissertation Prize, UC San Diego (awarded annually to single dissertation in all disciplines at UC San Diego)
2013	Edward Alexander Bouchet Graduate Honor Society, UC San Diego Chapter
2011–2012	Rita L. Atkinson Graduate Fellowship, UC San Diego (awarded annually to two interdisciplinary scholars in all disciplines)
2012	Interdisciplinary Scholar Award, UC San Diego
2012	University of California Graduate Research Advocacy Day Award, UC San Diego (awarded annually to two students to promote policy advocacy for graduate studies)
2012	Phi Kappa Phi Love of Learning Award, Phi Kappa Phi Honor Society
2012	4 <sup>th</sup> Annual San Diego Organization of Healthcare Leaders Student Poster Competition (1 <sup>st</sup> place)
2011–2012	Carl L. Alsberg, MD Fellow for Safe Medicines, Partnership for Safe Medicines
2011–2012	Inamori Fellowship, San Diego State University
2011	President's Award, San Diego State University
2011	SDSU Graduate Student Travel Fund, San Diego State University
2000	Association of International Exchange, Japan (AIEJ) Scholarship

## PUBLICATIONS (Total: 139)

### Journal Publications (Total: 111)

1. Mackey T. Climate Ready Genetically Modified Crops. *J Biolaw Bus*. 2008;11(3).
2. Mackey TK, Liang BA. Incentivizing “Green” Technology Transfer to Developing Countries. *J Biolaw Bus*. 2009;12(4):11-14.
3. Liang BA, Mackey TK. Reforming Off-Label Promotion to Enhance Orphan Disease Treatment. *Science*. 2010;327(5963):273-274.
4. Liang BA, Mackey TK. Consent Contraindicated? In Reply. *Science*. 2010;328(5974):45.
5. Mackey TK, Liang BA. The Role of Practice Guidelines in Medical Malpractice Litigation. *AMA Journal of Ethics (formerly Virtual Mentor)*. 2011;13(1):36-41.
6. Liang, BA, Mackey TK. Direct to Consumer Advertising with Interactive Internet Media: Global Regulation and Public Health Issues. *JAMA*. 2011;305(8):824-825.
7. Mackey TK, Liang BA. The Nagoya Protocol: Attempting to Protect Biodiversity and Indigenous Rights Against Biopiracy. *J Biolaw Bus*. 2011;14(1&2).
8. Liang BA, Mackey TK. Reforming Direct-to-Consumer Advertising. *Nature Biotech*. 2011; 29(5):397-400.
9. Mackey TK, Liang BA. Promoting Online Drug Safety: Using Public–Private Partnerships to Deter Illicit Online Drug Sales. *J Comm Biotech*. 2011;17(3):266-271.
10. Liang BA, Mackey TK. Prevalence and Global Health Implications of Social Media in Direct-to-Consumer Drug Advertising. *J Med Internet Res*. 2011;13(3):e64 doi:10.2196/jmir.1775.
11. Mackey TK, Liang BA. The Global Counterfeit Drug Trade: Patient Safety and Public Health Risks. *J Pharm Sci*. 2011;100(11):4571-4579.
12. Liang BA, Mackey TK. Quality and Safety in Health Care: What Does the Future Hold? *Arch Path Lab Med*. 2011;135:1425-1431.
13. Liang BA, Mackey TK. Emerging Patient Safety Issues Under Healthcare Reform: Follow On Biologics and Immunogenicity. *Ther Clin Risk Manag*. 2011;7:483-489.

14. Liang BA, Mackey TK, Lovett, KM. eHealth Ethics: The Online Medical Marketplace and Emerging Ethical Issues. *Ethics Biol Eng Med*. 2011;2(3):253-265.
15. Liang BA, Mackey TK. Vaccine Shortages and Suspect Online Pharmacy Sellers. *Vaccine*. 2012;30(2):103-105.
16. Mackey TK, Liang BA. Lessons from SARS and 2009 H1N1 influenza: Employing a WHO-WTO Forum to Promote Optimal Economic-Public Health Pandemic Response. *J Pub Health Policy* 2012;33(1):119-131. [accompanied by editorial commentary].
17. Liang BA, Lovett KM, Mackey, TK. eElder Abuse. *J Am Geriatr Soc*. 2012;60:398–400.
18. Liang BA, Mackey TK. Online Availability and Safety of Drugs in Shortage: A Descriptive Study of Internet Vendor Characteristics. *J Med Internet Res*. 2012;14(1):e27.
19. Mackey TK, Liang BA, Lovett KM. Waking Up to the Risks of Online Direct-to-Consumer Advertising of Sleep Apnea Screening Tests. *J Clin Sleep Med*. 2012;8(1):5-6.
20. Liang, BA, Mackey TK. Creating Illicit Laparoscopic Appendectomy Operating Rooms Using Online Sourcing. *Am Surg*. 2012;78(4):502-503.
21. Liang BA, Mackey TK. Biosimilars and Patient Safety Risk: Promoting Policy Protections in the Health Delivery System. *Rev Health Care*. 2012;3(2):71-74.
22. Lovett KM, Liang BA, Mackey TK. Risks of Online Direct-to-Consumer Tumor Markers for Cancer Screening. *J Clin. Onc*. 2012;30(13):1411-1414.
23. Mackey TK, Liang BA. Integrating Biodiversity Management and Indigenous Biopiracy Protection to Promote Environmental Justice and Global Health. *Am J Pub Health*. 2012;102(6):1091-1095.
24. Mackey TK, Liang BA. Promoting Access to Biosimilars: A Public-Private Partnership Model for Biosimilar Development in Underserved Populations. *GaBI J*. 2012;1(2):84-88.
25. Mackey TK, Liang BA. Transparency in Physician-Industry Relationships: State and Federal Efforts. *Path Case Rev*. 2012;17(4):144-147.
26. Mackey TK, Liang BA. Global Health Policy Coordination to Address Neglected Tropical Diseases. *Trop Med Inter Health* 2012;17(9):1053-1056.
27. Mackey TK, Liang BA. Separating Online Piracy from Counterfeit Medicines: The Need for Policy Reform and a Call to Action. *Health Policy Tech*. 2012;1(3):120-122.
28. Liang BA, Mackey TK. Stem Cells, Dot-Com. *Sci Trans Med*. 2012;4(151):151cm9.
29. Liang BA, Mackey TK. Sexual Medicine: Online Risks to Health-The Problem of Counterfeit Drugs. *Nature Rev Urol*. 2012;9:480-482.
30. Brown M, Mackey TK, Liang BA. Global Health Diplomacy and Management Mechanisms of US-China Public Health Collaborations in China: Lessons for Emerging Markets. *J Comm Biotech*. 2012;18(4):44-50.
31. Mackey TK, Liang BA. Globalization, Evolution and Emergence of Direct-to-Consumer Advertising: Are Emerging Markets the Next Pharmaceutical Marketing Frontier? *J Comm Biotech*. 2012;18(4):58-64.
32. Liang BA, Mackey TK. Tipping Point: Biosimilars, Emerging Markets, and Public-Private Engagement to Promote Global Health. *J Comm Biotech*. 2012;18(4):65-74 (2012).
33. Lovett KM, Mackey TK, Liang BA. Evaluating the evidence: direct-to-consumer screening tests advertised online. *J Med Screen*. 2012;19:141–153.
34. Mackey TK, Liang BA. Brain Drain: Exploring Resource Allocation to Address Health Worker Migration and Promote Global Health. *Health Policy*. 2012;107(1):66-73.
35. Liang BA, Mackey TK, Lovett KM. Emerging Dangers from Direct Botulinum Access and Use. *J Homeland Sec Emerg Manag*. 2012;9(1):art.9.
36. Liang BA, Mackey TK, Lovett KM. Suspect Online Sellers and Contraceptive Access. *Contraception*. 2012;86(5):551-556.
37. Mackey TK, Liang BA. Promoting Global Health: Utilizing WHO to Integrate Public Health, Innovation and Intellectual Property. *Drug Disc Today*. 2012;17(24-25):1254-1257.
38. Mackey TK, Liang BA. Threats from Emerging and Re-emerging Neglected Tropical Diseases. *Infect Ecol Epi*. 2012;2(1):18667.
39. Mackey TK, Liang BA. Patent and Exclusivity Status of Essential Medicines for Non-Communicable Disease. *PLoS One*. 2012;7(11):e51022.

40. Lovett KM, Liang BA, Mackey TK. Online Direct-to-Consumer Access to Insulin: Patient Safety Considerations and Reform. *J Diab Sci Tech*. 2012;6(6):1503-1506.
41. Mackey TK, Liang BA. Combating Healthcare Corruption and Fraud with Improved Global Health Governance. *BMC Intl Health Hum Rights*. 2012;12:23.
42. Mackey TK, Liang BA. Oncology and the Internet: Regulatory Failure and Reform. *J Onc Prac*. 2012;8(6):341-343.
43. Mackey TK, Novotny TE. Improving United Nations Funding to Strengthen Global Health Governance: Amending the Helms-Biden Agreement. *Global Health Governance*. 2012;6(1).
44. Mackey TK, Liang BA. A United Nations Global Health Panel for Global Health Governance. *Soc Sci Med*. 2013;76(1):12-15.
45. Mackey TK, Liang BA. A Response to Commentaries on "A United Nations Global Health Panel for Global Health Governance." *Soc Sci Med*. 2013;76(1):24-27.
46. Mackey TK, Liang BA. Restructuring Brain Drain: Governance and Financing Strengthening for Health Worker Migration. *Glob Health Action*. 2013;6:19923.
47. Mackey TK, Liang BA. Physician Payment Disclosure Under Healthcare Reform: Will the Sun Shine? *J Am Board Fam Med*. 2013;26:327-331.
48. Mackey TK, Liang BA, Novotny T. Evolution of Tobacco Labeling and Packaging: Global Health Governance and International Legal Considerations. *Am J Pub Health*. 2013;103(4):e39-e43.
49. Liang BA, Mackey TK, Lovett KM. Illegal "No Prescription" Internet Access to Narrow Therapeutic Index Drugs. *Clin Ther*. 2013;35(5):694-700.
50. Mackey TK, Liang BA. Global Reach of Direct-to-Consumer Advertising Using Social Media for Illicit Online Drug Sales. *J Med Internet Res*. 2013;15(5):e105.
51. Liang BA, Mackey TK, Archer-Hayes A, Shinn L. Illicit Online Marketing of Lorcaserin Before DEA Scheduling. *Obesity*. 2013;21(5):861-864.
52. Liang BA, Mackey TK, Lovett KM. Reply to Stanback et al. "Suspect Online Sellers and Contraceptive Access"? *Contraception*. 2013;88(4):583.
53. Mackey TK, Liang BA, Strathdee SA. Digital Social Media, Youth and Non-Medical Use of Prescription Drugs: The Need for Reform. *J Med Internet Res*. 2013; 15(7):e143.
54. Mackey TK, Liang BA. Dangerous Science: Online Promotion of Unproven Stem Cell Therapies and Global Health Risks. *J Comm Biotech*. 2013;19(4):19-28.
55. Liang BA, Mackey TK, Lovett KM. Technology and Medicine: Academic Dishonesty and Risks to Global Health. *J Comm Biotech*. 2013;19(4):42-48.
56. Mackey TK. Global Health Diplomacy and the Governance of Counterfeit Medicines: A Mapping Exercise of Institutional Approaches. *J Health Diplomacy*. 2013;1(1).
57. Mackey TK, Liang BA, Kohler J, Attaran A. The Fight over dot-health: Ensuring the Future of Health Information Online. *The Lancet*. 2013; 382(9902):1404.
58. Mackey TK, Liang BA. Pharmaceutical Digital Marketing and Governance: Illicit Actors and Challenges to Global Patient Safety and Public Health. *Glob Health*. 2013; 9:45.
59. Mackey TK, Liang BA. Improving Global Health Governance to Combat Counterfeit Medicines: A Proposal for a UNODC-WHO-Interpol Trilateral Mechanism. *BMC Medicine*. 2013;11:233.
60. Mackey TK, \*Contreras JT, Liang BA. The Minamata Convention on Mercury: Attempting to Address the Global Controversy of Dental Amalgam Use and Mercury Waste Disposal. *Sci Tot Env*. 2014;472:125-129.
61. \*Yagi N, Mackey TK, Gerlt L, Liang BA. Policy Review: Japan-Philippines Economic Partnership Agreement (JPEPA)—Analysis of a Failed Nurse Migration Policy. *Inter J Nurs*.; 2014; 51:243-250.
62. Mackey TK, \*Yagi N, Liang BA. Prescription Drug Coupons: Evolution and Need for Regulation in Direct-to-Consumer Advertising. *Res Social Admin Pharm*. 2014;10(3):588-594.
63. Liang BA, Mackey TK. Public-Private Partnerships to Promote Biosimilar Access, Affordability, and Patient Safety in Emerging Markets. *Stanford J Law Sci Policy*. 2014;7(1):1-9.
64. Kohler JC, Mackey TK, Ovtcharenko N. Why the MDGs need Good Governance in Pharmaceutical Systems to Promote Global Health. *BMC Public Health*. 2014;14(63).
65. Mackey TK, Liang BA, Kohler JC, Attaran A. Health Domains for Sale: The Need for Global Health Internet Governance. *J Med Internet Res*. 2014;16(3):e62.
66. Mackey TK, Liang BA, Pierce JP, Bostic C, Laurent H. Call to Action: Promoting Domestic and



- Global Tobacco Control by Ratifying the Framework Convention on Tobacco Control in the United States. *PLoS Med.* 2014;11(5): e1001639.
67. Werb D, Medina Mora ME, Beletsky L, Rafful C, Mackey T, Arrendondo J, Strathdee S. Mexico's Drug Policy Reform: Cutting Edge Success or Crisis in the Making? *Int'l J. Drug Policy.* 2014; 25:823-825.
  68. Mackey TK. Anti-counterfeiting Lessons from Hong Kong – Public Private Partnerships and Consumer Outreach. *Hong Kong Pharmaceutical J.* 2014; 21(3):52-54.
  69. Mackey TK, Liang BA, Cuomo R, Hafen R, Brouwer K, Lee D. Emerging and Re-Emerging Neglected Tropical Diseases: A Review of Key Characteristics, Risk Factors, and the Policy and Innovation Environment. *Clin Microbiology Rev.* 2014; 27(4):949-979.
  70. Mackey TK, Eysenbach G, Liang BA, Kohler JC, Geissbuhler A, Attaran A. A Call for a Moratorium on the .health Generic Top-Level Domain: Preventing the Commercialization and Exclusive Control of Online Health Information. *Global Health.* 2014;10:62.
  71. Brown M, Mackey TK, Shapiro CN, Kolker J, Novotny TE. Bridging Public Health and Foreign Affairs: The Tradecraft of Global Health Diplomacy and the Role of Health Attachés. *Science & Diplomacy.* 2014;3(3).
  72. Mackey TK, Liang BA. Digital Iatrogenesis: Policy Advocacy to Prevent Patient Harm from Access to Dangerous Medicines Online. *Harvard Health Policy Rev.* 2014;14(1):11-13.
  73. Mackey TK, Werb D, Beletsky L, Rangel G, Arredondo J, Strathdee SA. Mexico's "ley de narcomenudeo" Drug Policy Reform and the International Drug Control Regime. *Harm Reduction Journal.* 2014;11:31.
  74. \*Cuomo RE, Mackey TK. An Exploration of Counterfeit Medicine Surveillance Strategies Guided by Geospatial Analysis: Lessons Learned from Counterfeit Avastin Detection in the U.S. Drug Supply Chain. *BMJ Open.* 2014;4:e006657.
  75. Mackey TK, Liang BA. It's Time to Shine the Light on Direct-to-Consumer Advertising. *Ann Fam Med.* 2015;13(1):82-85.
  76. Mackey TK, Strathdee SA. Responding to the Public Health Consequences of the Ukraine Crisis: An Opportunity for Global Health Diplomacy. *J Int AIDS Soc.* 2015;18:19410.
  77. Mackey TK, Cuomo RE, Guerra C, Liang BA. After Counterfeit Avastin – What Have We Learned and What can be Done? *Nat Rev Clin Oncol.* 2015;12:302-308.
  78. Mackey TK, Strathdee SA. Big Events and Risks to Global Substance Using Populations: Unique Threats and Common Challenges. *Substance Use & Misuse.* 2015;50(7):885-890.
  79. Mackey TK, Liang BA, York P, Kubic T. Counterfeit Drug Penetration into Global Legitimate Supply Chains: A Global Assessment. *Am J. Trop. Med. Hygiene.* 2015;92(6):59-67.
  80. Solomonides AE, Mackey TK. Emerging Ethical Issues in Digital Health Information: ICANN, Health Information and the "dot health" top level domain. *Camb Q Healthc Ethics.* 2015; 24(3):311-22.
  81. \*Cuomo RE, Mackey TK, Stigler P. The Economics of Counterfeit Avastin: A Geospatial and Statistical Analysis of Demographic Correlates to FDA Warning Letters. *Pharmacoepidemiol Drug Saf.* 2015;24(7):748-756.
  82. Mackey TK, \*Cuomo RE, Liang BA. The Rise of Digital Direct-to-Consumer Advertising?: Comparison of Direct-to-Consumer Advertising Expenditure Trends from Publicly Available Data Sources and Global Policy Implications. *BMC Health Serv Res.* 2015;15:236.
  83. Mackey TK, Aung P, Liang BA. Illicit Internet Availability of Drugs Subject to Recall and Patient Safety Consequences. *Int J. Clin Pharm.* 2015;37(6):1076-1085
  84. Mackey TK, \*Miner A, Cuomo RE. Exploring the e-Cigarette e-Commerce Marketplace: Identifying Internet e-Cigarette Marketing Characteristics and Regulatory Gaps. *Drug Alcohol Depend.* 2015; 156:97-103.
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  86. Katsuki T<sup>^</sup>, Mackey TK<sup>^</sup>, Cuomo RE. Establishing a Link Between Prescription Drug Abuse and Illicit Online Pharmacies: Analysis of Twitter Data. *J Med Internet Res.* 2015;17(12):e280.
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88. \*Azar S, Mackey TK. Crowdfunding: A New Untapped Opportunity for Biotechnology Start-ups? *J Comm Biotech*. 2016;21(4):15-28.
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91. Efendi F, Mackey TK, Huang MC, Chen CM. IJEPA – A Gray Area in Health Policy and Trade for Indonesian Nurse Migration. *Nurs Ethics*. 2015; in press
92. \*Anderson A, Mackey TK, Attaran A, Liang BA. Mapping of Health Communication and Education Strategies Addressing the Public Health Dangers of Illicit Online Pharmacies. *J Health Commun*. 2016;21(4):397-407.
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94. Attaran A, Mackey TK, Reed, B. Lowering the High Cost of Cancer Drugs – III. *Mayo Clin Proc*. 2016;91(3):399-400.
95. Mackey TK. Digital Direct-to-Consumer Advertising: A Perfect Storm of Rapid Evolution and Stagnant Regulation; Comment on "Trouble Spots in Online Direct-to-Consumer Prescription Drug Promotion: A Content Analysis of FDA Warning Letters". *Int J Health Policy Manag*. 2016;5(4):271-274.
96. Mackey TK. Lessons from Liberia: Global Health Governance in the Post-Ebola Paradigm. *Global Health Governance*. 2016;10(1):60-70.
97. \*Bollman-Foster C, Mackey TK. Gadolinium-based Contrast Agents: Patient Safety Concerns. *Radiol Technol*. 2016;87(5):552-556.
98. Mackey TK, Liang BA. After Amarin: What Will the Future Hold for Off-Label Promotion Regulation? *Mayo Clin Proc*. 2016;91(6):701-706.
99. Mackey TK, Nayyar G. Digital Danger: A Review of the Global Public Health, Patient Safety and Cybersecurity Threats Posed by Illicit Online Pharmacies. *Br Med Bull*. 2016; 118(1):110-126.
100. \*Schandera J<sup>^</sup>, Mackey TK<sup>^</sup>. Mitochondrial Replacement Therapy: Divergence in Global Policy. *Trends Genet*. 2016;23(7):385-390.
101. \*Setayesh S, Mackey TK. Addressing the Impact of Economic Sanctions on Iranian Drug Shortages in the Joint Comprehensive Plan of Action: Promoting Access to Medicines and Health Diplomacy. *Global Health*. 2016;12:31.
102. Marshall D, Moy B, Jackson M, Mackey TK, Hattangadi-Gluth J. Distribution and Patterns of Industry-related Payments to Oncologists in 2014. *J Natl Cancer Inst*. 2016; 108(12): in press.
103. Mackey TK, Savedoff WD, Vogl F, Lewis M, Sale J, Kohler JC, Michaud J, Vian T. The "Cancer" of Corruption: Views on how to Fight the Disease of Corruption to Advance 21<sup>st</sup> Century Global Health Goals. *BMC Medicine*. 2016;14:149.
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105. Mackey TK. The Ebola Outbreak: Catalyzing a "Shift" in Global Health Governance? *BMC Infectious Diseases*. 2016;16:699.
106. \*Aleeaban M, Mackey TK. Global Health Policy and Visa Reform to Address Dangers of Hajj During Summer Seasons. *Front. Public Health*. 2016; 4:280.
107. Kalyanam J, Katsuki T, Lanckriet G, Mackey TK. Exploring Trends of Nonmedical use of Prescription Drugs and Polydrug Abuse in the Twittersphere Using Unsupervised Machine Learning. *Addict Behav*. 2017; 65:289-295.
108. \*Akbarzada S, Mackey TK. The Syrian Public Health and Humanitarian Crisis: A "Displacement" in Global Governance? *Glob Public Health*. 2017; in press.
109. Mackey TK, Liang BA. In Reply - EHR and Drugs Prescribed for Off-label Indications. *Mayo Clin Proc*. 2017; 92(4):684-685.
110. Cuomo RE, Mackey TK. The Availability of Essential Cancer Medication: An Analysis of National Formularies. *J Cancer Policy*. 2017; 12:49-54.
111. Mackey TK, Nayyar G. A Review of Existing and Emerging Digital Technologies to Combat the

Global Fake Medicines Trade. *Expert Opin Drug Saf.* 2017; in press.

\*Denotes student where Dr. Mackey was the primary advisor

^ Indicates equal contribution by authors

#### Law Review (Total: 5)

1. Liang BA, Mackey TK. Searching for Safety: Addressing Search Engine, Web site, and Provider Accountability for Illicit Online Drug Sales. *Am J Law Med.* 2009;35(1):125-184 [law review].
2. Liang BA, Mackey TK. Searching for Safety: A Reply to Cooperman and Levitt. *Am J Law Med.* 2009;35(4):687-694 [law review].
3. Liang BA, Mackey TK. Confronting Conflict: Addressing Institutional Conflicts of Interest in Academic Medical Centers. *Am J Law Med.* 2010;36(1):136-187 [law review].
4. Mackey TK, Liang BA. Off Label Promotion Reform: A Legislative Proposal Addressing Vulnerable Patient Drug Access and Limiting Inappropriate Pharmaceutical Marketing. *Univ Mich J Law Reform.* 2011; 45(1):1-54 [law review].
5. Lovett KM, Mackey TK. Online Threats to Senior Safety: The Direct-to-Consumer Medical Marketplace and eElder Abuse. *Nat Acad Elder Law Attorneys J.* 2013;9(1):91-113 [law review].

#### Book Chapters (Total: 5)

1. Liang BA, Mackey TK. "Moving from Traditional Law and Medicine to Promote Safety and Effective Risk Management." In: Patricia Iyer & Barbara Levin, eds., *Nursing Malpractice 4<sup>th</sup> Edition*, Tuscon, AZ: Lawyers & Judges Publishing Co., 2011:59-76.
2. Liang BA, Mackey TK. "Preparing for Health Diplomacy Negotiations—Global Governance and the Case of Taiwan, WHO, and SARS." In: Ellen Rosskam & Ilona Kickbusch, eds., *Negotiating and Navigating Global Health: Case Studies in Global Health Diplomacy.* London: Imperial College World Scientific Press, 2012, 173-202.
3. Liang BA, Mackey TK. "Addressing Illicit Online Pharmacies: Global Patient Safety and Regulatory Challenges." In: *Counterfeit Medicines: Policy, Economics, and Countermeasures 75-89* (Albert Wertheimer & Perry Wang, eds. 2012).
4. Mackey TK. "Stem Cells and Commercialization." In: *Fetal Stem Cells in Regenerative Medicine* (Fauza D & Bani-Yaghoub M, eds. 2014): Springer, 2016.
5. Mackey TK, Liang BA. "Health Advertising in the Digital Age: Future Trends and Challenges." In: *Digital Advertising* (Rodgers S & Thorson E, eds. 2016): Routledge, Taylor & Francis, 2016, in press.

#### Conference Proceedings/Published Abstracts (Total: 5)

1. Qassimyar R, Fischer SL, Liang BA, Mackey T. Needs Assessment of Telemedicine in Afghanistan and a Global Call for Action for an International Tri-Partnership Mechanism. 2014 Med-e-Tel Conference Proceedings, Global Telemedicine and eHealth Updates: Knowledge Resources, 2014;7:239-243.
2. Mackey TK, Liang BA, Attaran A, Kohler JC. Health domains for sale: The need for better global eHealth governance of health information online. *Annals of Global Health:* 2014; 80(3):209-210. [published conference abstract].
3. Cuomo RE, Mackey TK. Determining demographic risk factors for receiving counterfeit cancer drugs. *Annals of Global Health:* 2015; 81(1):65 [published conference abstract].
4. Meacham MC, Wagner KD, Mackey T, Patterson TL, Strathdee S, Roesch S. Transitions in polydrug use among heroin and methamphetamine injectors in Tijuana, Mexico. *Drug Alcohol Depend.* 2015;(146): e36-37. [Special section: Abstracts from the 2014 annual meeting of the College on Problems of Drug Dependence].
5. Katsuki T, Mackey TK, Cuomo RE. Digital surveillance of prescription drug abuse: An accessible methodology for collecting and analyzing twitter NUPM data. *Annals of Global Health:* 2016; 82(3):590 [published conference abstract].

Other Publications, Articles, Op Ed, etc (Total: 13)

1. Liang BA, Mackey TK. New Cybersecurity Efforts Must Include Online Drug Sales. *Los Angeles Daily J.* 2009;Jun 4 [Op Ed].
2. Liang BA, Mackey TK. The Green Light. *San Francisco Daily J.* 2009;Aug 7 [Op Ed].
3. Liang BA, Mackey TK. Confronting Conflict of Interest. *Los Angeles Daily J.* 2010;Apr 7 [Op Ed].
4. Liang BA, Mackey TK. The ABCs of Accountable Care Organizations. *Los Angeles Daily J.* 2010;May 5 [Op Ed].
5. Liang BA, Mackey TK. Addressing Institutional Conflict of Interest to Promote Patient Safety. *Pat Safety Qual Healthcare.* 2010;7(6):36-39.
6. Liang BA, Mackey TK. Health Care Mandates: A Reply. *Inside Higher Ed.* 2010;Nov 17 available at: <http://www.insidehighered.com/views/2010/11/17/liang>. [Online Article].
7. Liang BA, Mackey TK. Pharmaceutical Marketing: A Year of Interesting Times. *Los Angeles Daily J.* 2010;Dec 22 [Op Ed].
8. Liang BA, Mackey TK. Counseling Seniors and Caregivers on Medication Safety. *New York State Bar Ass J.* 2013;July/Aug:72-74 [Article].
9. Liang BA, Mackey TK. Social Media and Drug Advertising: Information and Warnings for Physicians and Patients. *San Diego Physician.* 2011;98(6):28 [Article].
10. Liang BA, Mackey TK. Internet Drug Pushers Targeting Teens: One Click Away from a Bad Decision. *Res Ispa.* 2013;14(1):3 [Article].
11. Mackey TK, Liang BA, Kubic T. Dangerous Doses: Fighting Fraud in the Global Medicine Supply Chain. *Foreign Affairs.* 2012; May 14 [Featured Article].
12. Contreras JT, Mackey TK, Liang BA. Global Amalgam Governance: The Need for Clinician Leadership. *Inside Dentistry.* 2014;10(1) Jan; Available at: <http://www.dentalaegis.com/id/2014/01/global-amalgam-governance-need-for-clinician-leadership>. [Viewpoint Article].
13. Kohler JC, Mackey TK. Treating Health and Pharmaceutical Corruption: The Need for a Multistakeholder UN Partnership Framework. *International Affairs Forum.* 2016;7(2):57-60; Available at: <http://ia-forum.org/Files/Fall%202016%20IA%20Forum.pdf>.

**TEACHING (UCSD – Quarter System)**

<i>Class Title</i>	<i>Program</i>	<i>Term(s)</i>
Global Health Policy A: Foundations (HLAW209A) (2 units)	MAS, Health Policy and Law (UCSD/CWSL)	Spring 2012 Fall 2012, 2013, 2014
Global Health Policy A: Foundations (HLAW219A) (3 units)	MAS, Health Policy and Law (UCSD/CWSL)	Fall 2015
Global Health Policy B: Politics, Planning, and Preparedness (HLAW209B) (2 units)	MAS, Health Policy and Law (UCSD/CWSL)	Winter 2013, 2014, 2015

Global Health Policy B: Advanced Topics (HLAW219B) (3 units)	MAS, Health Policy and Law (UCSD/CWSL)	Spring 2016
Global Health Policy C: Special Topics (HLAW209C) (2 units)	MAS, Health Policy and Law (UCSD/CWSL)	Spring 2013, 2014, 2015
Current Topics in Health Policy & Law (HLAW213) (3 units)	MAS, Health Policy and Law (UCSD/CWSL)	Winter 2014
Foundations in Law & Medical/Healthcare Practice (HLAW211) (3 units)	MAS, Health Policy and Law (UCSD/CWSL)	Fall 2014, Fall 2015
Special Topics: Health Policy Writing Workshop (HLAW212) (2 units)	MAS, Health Policy and Law (UCSD/CWSL)	Summer 2015, Summer 2016

### TEACHING (Non-UCSD/Online)

<i>Class Title</i>	<i>Program</i>	<i>Term(s)</i>
Global Health Policy (online course) (1.5 ECTS)	Elevate Online Learning Platform – UMC Utrecht – UC San Diego Extension	Fall 2016

### GRADUATE STUDENT ADVISING

University of California, San Diego (completed and current Doctoral students)

<i>Trainee Name</i>	<i>Type/Training Period</i>	<i>Thesis Title</i>	<i>Role</i>
Raphael E. Cuomo	PhD student in Public Health, Global Health track (completed December 2016)	Access and Affordability of Cancer Drugs in International Settings	Dissertation committee co-Chair

James Balcius	PhD student in Public Health, Global Health track (in progress)	Military Humanitarian Civic Assistance Missions: Resource Use, Coordination, and Governance to Improve Global Health	Dissertation committee member
Janani Kalyanam	PhD student in Department of Electrical and Computer Engineering (in progress)	Machine Learning Methods Applied to Social Media	Dissertation committee member

University of California, San Diego (completed Masters students, 2012-present, \*denotes a project that was published in an academic journal, ^denotes project presented as oral or poster presentation)

<i>Trainee Name</i>	<i>Type/Training Period</i>	<i>Thesis Title</i>	<i>Role</i>
Sangita Baxi	MAS, Health Policy and Law (UCSD/CWSL) (2016)	Proposal for an Essential Cancer List (ECL) to Facilitate Access and Affordability to Cancer Treatment	Chair of Capstone Project (ISP)
Mohanad Aleeban*	MAS, Health Policy and Law (UCSD/CWSL) (2016)	Public Health Hazards During Hajj: Time for Visa Policy Reform	Chair of Capstone Project (ISP)
John Annaloro	MAS, Health Policy and Law (UCSD/CWSL) (2016)	The United Kingdom's Withdrawal from the European Union & Subsequent Impact to UK-based Biomedical Industry	Chair of Capstone Project (ISP)
Teresa Tharp	MAS, Health Policy and Law (UCSD/CWSL) (2016)	Rabies: Assessing Economic and Political Determinants	Chair of Capstone Project (ISP)
Cameron Casey	MAS, Clinical Research (UCSD) (2016)	Characteristics of Electronic Nicotine Delivery Systems by Analyzing Trial Data on Clinicaltrials.gov, 2004-2015	Committee Member (ISP)

Asmita Arora^	MAS, Clinical Research (UCSD) (2016)	United Nations Non-Communicable Diseases High Level Meeting 2011- Measuring the Impact	Committee Member (ISP)
Michelle Dinh-Tran	MAS, Health Policy and Law (UCSD/CWSL) (2016)	Mental Health Social Stigma Services for College Undergraduates: Building Consensus on Best Practices	Chair of Capstone Project (ISP)
Mena Alsaraf*	MAS, Health Policy and Law (UCSD/CWSL) (2015)	Child-Resistant Packaging for Liquid Nicotine: Are Current State and Federal Responses Adequate?	Chair of Capstone Project (ISP)
Sogol Setayesh*^	MAS, Health Policy and Law (UCSD/CWSL) (2015)	The Role of Sanctions in Creating a Medical Shortage Crisis in Iran	Chair of Capstone Project (ISP)
Sumaira Akbarzada*^	MAS, Health Policy and Law (UCSD/CWSL) (2015)	The Invisible Crisis in Syria: The Medical Demise of the Internally Displaced Person in a Devastated Health System	Chair of Capstone Project (ISP)
Yama Meerzada	MAS, Health Policy and Law (UCSD/CWSL) (2015)	Comparative Analysis of Electronic Cigarette Regulation: US v. UK	Chair of Capstone Project (ISP)
Lorna Gerlt	MAS, Health Policy and Law (UCSD/CWSL) (2015)	Cross Border Health Care Coverage in Southern Californians- A Fundamental Shift in Primary Care Via Mexico Based Health Care Plans	Chair of Capstone Project (ISP)
Sholeh Azar*	MAS, Health Policy and Law (UCSD/CWSL) (2015)	Crowdfunding: A New Opportunity for Biotechnology Startups?	Chair of Capstone Project (ISP)

Gale Schlesinger	MAS, Health Policy and Law (UCSD/CWSL) (2015)	Global Sunshine? The Emergence of Payment Disclosure Laws in Health Care	Chair of Capstone Project (ISP)
Christy Foster Bollman*	MAS, Health Policy and Law (UCSD/CWSL) (2015)	Requiring Targeted Informed Consent to Inject Gadolinium into Patients with a Compromised eGFR	Chair of Capstone Project (ISP)
William Pascoe	MAS, Health Policy and Law (UCSD/CWSL) (2015)	The Global Legal, Ethical, and Governance Challenges of Transnational Commercial Surrogacy	Chair of Capstone Project (ISP)
Angela Y. Miner*^	MAS, Health Policy and Law (UCSD/CWSL) (2015)	A Mapping of Internet Electronic Cigarette Vendors: Identifying Key Characteristics and Regulatory Gaps	Chair of Capstone Project (ISP)
Virginia J. Schoenfeld*	MAS, Health Policy and Law (UCSD/CWSL) (2015)	Going Social to Access Lifesaving Treatments: Examination of Social Media Use for Pharmaceutical Compassionate Use Access	Chair of Capstone Project (ISP)
Anthony J. Rippo	MAS, Health Policy and Law (UCSD/CWSL) (2014)	Regulating Mobile Medical Applications: It's Time to Get the Balance Right	Chair of ISP
Johanna M. Schandera*^	MAS, Health Policy and Law (UCSD/CWSL) (2014)	Controversy of Three-Parent IVF for Prevention of Mitochondrial Disease: A Comparative Policy Analysis	Chair of ISP
Allison C. Anderson*^	MAS, Health Policy and Law (UCSD/CWSL) (2014)	Mapping of Health Promotion and Education Programs Addressing Public Health Dangers of Illicit Internet Pharmacies	Chair of ISP



Ashley N. Archer-Hayes	MAS, Health Policy and Law (UCSD/CWSL) (2014)	Organ Donor Discrimination: A Proposal to Modify the Current Health and Human Services Public Health Guidelines for the Center for Disease Control and Prevention's "High Risk" Organ Donor Classification Criteria	Chair of ISP
Linda M. Shinn	MAS, Health Policy and Law (UCSD/CWSL) (2014)	Beyond the Bedside: The Evidence for Nursing Malpractice and Liability Education for the Perinatal Nurse	Chair of ISP
John T. Contreras*	MAS, Health Policy and Law (UCSD/CWSL) (2014)	Mercury Use in Dental Amalgam: Health and Environmental Concerns	Chair of ISP
Romana Qassimyar*	MAS, Leadership of Healthcare Organizations (UCSD) (2013)	Needs Assessment of Telemedicine in Afghanistan and a Global Call for Action for an International Tri-Partnership Agreement	Chair of Capstone
Nozomi Yagi*^	MAS, Health Policy and Law (UCSD/CWSL) (2013)	Trend Analysis in Prescription Drug Coupons (PDCs)	Co-Chair
Pariya Ghayyem	MAS, Health Policy and Law (UCSD/CWSL) (2013)	Drug Labeling Laws: Patient and Manufacturing Consequences	Committee Member

## OTHER STUDENT ADVISING

<i>Trainee Name</i>	<i>Type/Training Period</i>	<i>Project Title</i>	<i>Role</i>
Rupa Prasad	Medical Resident (UC San Diego – Scripps Health)	Healthcare Professional Access Variation in state PDMPs	Research Mentor

Nicole Horton	Undergraduate student (UC San Diego)	Exploring Organized Crime Network Dynamics of Online Pharmacies	Research Independent Study Mentor
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### RESEARCH GRANT PARTICIPATION (ACTIVE)

<i>Project</i>	<i>Investigator(s)</i>	<i>Type</i>	<i>Amount</i>	<i>Period</i>	<i>Agency</i>
“Exploring the 2015 Indiana HIV Outbreak using Twitter and Machine Learning”	TK Mackey (PI) T. Katsuki (co-I)	Grant	\$50,000	2017	UC San Diego Center for AIDS Research
“Data Mining Strategies for Examining Impact of Twitter on Youth and Adolescent Prescription Drug Abuse”	TK Mackey (PI) T. Katsuki (co-I)	Grant	\$27,500	2015-2016	Alliance for Safe Online Pharmacies

### RESEARCH GRANT PARTICIPATION (COMPLETED)

<i>Project</i>	<i>Investigator(s)</i>	<i>Type</i>	<i>Amount</i>	<i>Period</i>	<i>Agency</i>
“Access and Affordability of Cancer Drugs in International Settings”	TK Mackey (PI) RE Cuomo (PhD Student) T.Novotny; D.Strong; C.Garland, G.McCord (co-I)	Grant (graduate student support)	\$25,000	2015-2016	UC San Diego – Frontiers of Innovation Scholars Program
“Counterfeit Avastin: Health Policy and Legal Analysis to Improve Cancer Patient Safety and Public Health”	TK Mackey (PI)	Grant	\$30,000	2013-2015	American Cancer Society

“Impact of Drug Policy Reform on the HIV Risk Environment among IDU’s in Tijuana: Assessment of Polydrug Abuse and Policy”	SA Strathdee (Parent Grant – PI) TK Mackey (PI-supplement)	Grant (NIH Investigator Diversity Supplement)	\$137,950 (Awarded but funding was not appropriated)	2014-2015	National Institutes of Drug Abuse (NIH/NIDA)
“Tough on Fakes, Tough on Crime: A Multi-disciplinary Study of Criminally Falsified Products that Threaten Public Safety”	TK Mackey (sub-contractor)	Sub-contract	\$23,000	2013-2014	Social Science and Humanities Research Council of Canada
Horowitz Foundation for Social Policy Research Grant	TK Mackey (PI)	Grant	\$7,500	2013-2014	Horowitz Foundation
“Analysis of Unsafe Medicines in the Global Supply Chain”	TK Mackey (PI) BA Liang (Co-PI)	Grant	\$22,000	2013	Pharmaceutical Security Institute
U.S. Speaker and Specialist Grant	TK Mackey (PI)	Grant	\$15,000	2013	U.S. Department of State Bureau of International Information Programs
Golden Key Research Grant	TK Mackey (PI)	Grant	\$1,000	2013	Golden Key International Honour Society
UCSD Open Access Fund Pilot	TK Mackey (PI)	Grant	\$2,000	2013-2014	UC San Diego

## ACADEMIC PRESENTATIONS (Total: 99)

### ORAL PRESENTATIONS AT SCHOLARLY MEETINGS (Total: 28)

1. Mackey TK, Liang BA. Preparing for Health Diplomacy Negotiations in Global Governance – The Failed Case of Taiwan, WHO, and SARS. 2010 Consortium of Universities for Global Health Annual Meeting (Global Health Conference), University of Washington, Seattle, WA, Sep 21, 2010.
2. Mackey TK, Liang BA. Off Label, Off Limits?: Assessing the Regulation, Debate, Enforcement and Potential Policy Considerations of Off-Label Promotion. 2011 SDSU Student Research Symposium, SDSU, San Diego, CA, Mar 4, 2011.
3. Mackey TK, Liang BA. Off Label, Off Limits?: Assessing the Regulation, Debate, Enforcement and Potential Policy Considerations of Off-Label Promotion 2011 California State University Student Research Competition, CSU Fresno, Fresno, CA, May 7, 2011.
4. Mackey TK, Liang BA. eDTCA 2.0: Global Regulation and Public Health Issues Associated with Interactive Internet Media. 2011 American Public Health Association Annual Meeting, Washington D.C., Oct 31, 2011.
5. Mackey TK, Liang BA. Lessons from SARS and H1N1/A: Employing a WHO-WTO Forum to

- Ensure Balance in Economic and Public Health Actions in Emergency Response. 2011 American Public Health Association Annual Meeting, Washington D.C., Nov 1, 2011.
6. Mackey TK, Liang BA. Prevalence and Global Health Implications of Social Media in Direct-to-Consumer Advertising. 2011 Global Health Conference Annual Meeting, Montreal, Canada, Nov 13, 2013.
  7. Mackey TK, Liang BA. Learning Lessons from Disease Outbreaks and the Revised International Health Regulations: A Joint WHO-WTO Forum to Ensure Balance in Economic and Public Health Actions in Emergency Response. 2011 Global Health Conference Annual Meeting, Montreal, Canada, Nov 13, 2013.
  8. Mackey TK, Liang BA. Advocating for Public Private Partnerships in Surveillance, Enforcement and Prevention of Illicit Online Drug Sales and Exploring Impacts on One Health. Global Risk Forum 2012, Davos, Switzerland, Feb 21, 2012.
  9. Mackey TK, Liang BA. Stemming Brain Drain: Exploring Global Health Policy Solutions for Imbalances in International Health Migration. Global Risk Forum 2012, Davos, Switzerland, Feb 22, 2012.
  10. Mackey TK, Liang BA. Challenges in Global Health Governance: Combating Dangerous Medicines in the Digital Global Drug Supply Chain. UC Global Health Day 2012, UC Berkeley, CA, Feb 4, 2012.
  11. Mackey TK, Liang BA. Global Governance Policy for Brain Drain: Promoting Health Equity and Justice Through Reallocation of Resources. 13<sup>th</sup> World Congress on Public Health Annual Meeting, Addis Ababa, Ethiopia, Apr 24, 2012.
  12. Mackey TK, Liang BA. Lessons from SARS, H1N1/A and the Revised International Health Regulations. 13<sup>th</sup> World Congress on Public Health Annual Meeting, Addis Ababa, Ethiopia, Apr 26, 2012.
  13. Mackey TK, Liang BA. Digital Direct-to-Consumer Advertising: Current Debate and Prevalence of Use Among Industry and Illicit Online Pharmacies. 2012 Pharmaceutical Management Science Association Annual Meeting, Anaheim, CA, May 22, 2012.
  14. Mackey TK. Tobacco Control and Trade: International Legal Arguments in Support of a Tobacco Exemption in the TPPA. 13<sup>th</sup> Round of Negotiations of Trans-Pacific Partnership Agreement, San Diego, CA, Jul 2, 2012.
  15. Mackey TK, Liang BA. Risk Assessment of Direct-to-Consumer Social Media Advertising for Illicit Online Drug Sales. Medicine 2.0 12' Conference, Boston, MA, Sep 16, 2012.
  16. Mackey TK, Liang BA. Direct-to-Consumer Social Media Advertising Risk Assessment Study for Illicit Online Drug Sales. 2013 Medicine X Conference, Palo Alto, CA, Sep 29, 2012.
  17. Mackey TK, Liang BA, Novotny TE. Evolution of Tobacco Labeling and Packaging: Global Health Governance and Trade Policy. 2012 American Public Health Association Annual Meeting, San Francisco, CA, Oct 30, 2012.
  18. Mackey TK, Liang BA. Searching for Better Global health Governance for Dangerous Counterfeit Medicines. 2012 American Public Health Association Annual Meeting, San Francisco, CA, Oct 31, 2012.
  19. Mackey TK, Novotny TE. Amending the Helms-Biden Act: A Pathway to Promote Better Global Health Diplomacy and Governance. UC Global Health Day 2013, UC Riverside, CA, Feb 23, 2013.
  20. Mackey TK, Yagi N, Liang BA. Japan-Philippines Economic Partnership Agreement (JPEPA) – Analysis of a Failed Trade and Nurse Migration Policy. 2013 American Public Health Association Annual Meeting, Boston, MA, Nov 2, 2013.
  21. Mackey TK, Balcius J, Brown M, Kevany S. 21<sup>st</sup> Century Global Health Diplomacy [breakout Session] presented “Counterfeit Medicine Diplomacy: A Case Study in Global Health Diplomacy and Governance.” 2014 UC Global Health Day 2014, UC Davis, CA, April 26, 2014.
  22. Mackey TK, Liang BA, Kohler JC, Attaran A. Global Challenges to eHealth: The .health Case Study and the Need for Better eHealth Governance. Fifth Annual Global Health Conference, Washington DC, May 10, 2014.
  23. Mackey TK. Counterfeit Medicines Surveillance: Using GIS to Conduct Surveillance and Geospatial Analysis on Counterfeit Anti-Cancer Drug Avastin Cases. 2014 Esri User Conference, San Diego, CA, July 13, 2014.
  24. Mackey TK, Liang BA, Kohler JC, Attaran A. Health Domains for Sale: The Need for Health Governance on the Internet. 2014 American Public Health Association Annual Meeting, New

- Orleans, LA, Nov 17, 2014.
25. Mackey TK, Cuomo RE, Guerra C. Counterfeit Avastin: A Multidisciplinary Global Health Assessment of Counterfeit Cancer Medicines [breakout session]. UC Global Health Day 2015, UCLA, Los Angeles, USA.
  26. Mackey TK, Schandera J. Controversy of Three-Parent IVF for Prevention of Transmission of Mitochondrial Disease: A Comparative Policy Analysis. 2015 American Public Health Association Annual Meeting, Chicago, IL, Nov 4, 2015
  27. Mackey TK, Liang BA, Cuomo R, Hafen R, Lee D, Brouwer K. Emerging and Reemerging Neglected Tropical Diseases: Review of Key Characteristics and Risk Factors. 2015 American Public Health Association Annual Meeting, Chicago, IL, Nov 4, 2015
  28. Mackey TK. Corruption in Global Health: Scope, Diversity, Case Studies, and Legal Frameworks. Concurrent Session "Are Current Anti-Corruption Tools in the Health Sector Good Enough for Health Security", 7<sup>th</sup> Annual Global Health Conference, San Francisco, CA, Apr 9, 2016.

INVITED PRESENTATIONS (Total: 43)

1. Mackey TK. The Potential Policy and Public Health Considerations of Off-Label Promotion. Joint Development Committee in Health Law, San Diego, CA, Jan 20, 2010.
2. Mackey TK. The Dangers of Direct-to-Consumer Advertising in the Digital and Social Media Age. Joint Development Committee in Health Law, San Diego, CA, Feb 17, 2011.
3. Mackey TK. Promoting Online Drug Safety: Leveraging Public Private Partnerships in Surveillance, Enforcement and Prevention of Illicit Online Drug Sales. 7<sup>th</sup> Annual IHLS San Diego Health Policy Conference, San Diego, CA, Mar 25, 2011.
4. Mackey TK. Evolution of Globalized Pharmaceutical Marketing: Risks, Opportunities and Developments in Emerging Markets. 8<sup>th</sup> Annual IHLS San Diego Health Policy Conference, San Diego, CA, Mar 23, 2012.
5. Mackey TK. Risk Assessment of Social Media Advertising for Illicit Online Drug Sales. 2012 UC San Diego Interdisciplinary Awards, San Diego, CA, Apr 4, 2012.
6. Mackey TK. Globalization of the Digital Drug Supply Chain: Using Public Private Partnerships to Combat the Scourge of Illicit Online Drug Sellers. UC San Diego Pat Ledden Memorial Faculty Seminar Series, San Diego, CA, Apr 11, 2012.
7. Mackey TK. Advancing Online Drug Safety: How Public-Private Partnerships Thwart Illicit Online Drug Sales. 2012 National Association of Boards of Pharmacy Annual Meeting, Philadelphia, PA, May 21, 2012.
8. Mackey TK. Globalization of the Illicit Online Drug Supply Chain: Potential Risks to Patients and Pets. 31<sup>st</sup> Annual Meeting Society of Veterinary Hospital Pharmacists, San Diego, CA, Jun 4, 2012.
9. Mackey TK. eHealth Ethics: The Online Medical Marketplace and Emerging Ethical Issues. Rady Children's Hospital Bioethics Seminar Series, San Diego, CA, Jun 12, 2012.
10. Mackey TK. PSM Original Research: A Day in the Life of Illegal Online Drug Sellers. 2012 Partnership for Safe Medicines Interchange, Washington D.C., Sep 28, 2012.
11. Mackey TK. Bioethical Issues of eHealth Ethics. Rady Children's Hospital Bioethics Seminar Series, San Diego, CA, Oct 12, 2012.
12. Mackey TK. StemCells.com: Online Direct-to-Consumer Advertising of Unauthorized Stem Cell Therapy. 9<sup>th</sup> Annual IHLS San Diego Health Policy Conference, San Diego, CA, Mar 22, 2013.
13. Mackey TK. Governance Approaches in Dealing with Forms of Health Corruption. Good Governance in Global Health Project First Meeting, University of Toronto, Toronto, Canada, Apr 15, 2013.
14. Mackey TK. Identifying Priority Areas in Global Health through Governance. Good Governance in Global Health Project First Meeting, University of Toronto, Toronto, Canada, Apr 15, 2013.
15. Mackey TK. Counterfeit Medicines Trade: Impact on Global Patient Safety, Trade and Economics, Intellectual Property, and Public Health. Roundtable hosted by The Hong Kong Association of the Pharmaceutical Industry, Hong Kong, Sep 26, 2013.
16. Mackey TK. Clear and Present Danger: Availability of Dangerous, Unapproved and Recalled Drugs Online. 2013 Partnership for Safe Medicines Interchange, Washington D.C., Oct 24, 2013.
17. Mackey TK. Global Health Policy Research: Global Health Policy Research Core, Topics, and Opportunities. UCSD Anesthesiology Update 2014, San Diego, CA, January 17, 2014.

18. Mackey TK. Health Domain Debate: The Need for Better Global eHealth Governance. UCSD Division of Global Public Health Trainee Session, San Diego, CA, February 20, 2014.
19. Mackey TK. Global Risks of Illicit Online Pharmacies and Social Media Use. UCSD Human Nature Group, San Diego, CA, February 28, 2014.
20. Mackey TK, Brown M. Workshop: Competencies for Global Health Diplomacy. Fifth Annual Global Health Conference, Washington DC, May 11, 2014.
21. Mackey TK. U.S. Health and the Internet: Case Studies for Better Global Health Governance. Department of Health and Human Services, Office of Global Affairs, Washington DC, May 13, 2014
22. Mackey TK. The Bioethics of Drug Development – You Make the Call. BIO International Convention 2014, San Diego, CA, June 23, 2014 [panelist].
23. Mackey TK. Global Health Policy: Global Health Research, MAS Anesthesia Fellow, and Global Health Policy Institute. UC San Diego – Department of Anesthesiology, Resident Education Rounds, San Diego, CA, June 25, 2014.
24. Mackey TK. After Avastin: What have we Learned, what can be done? 2014 Partnership for Safe Medicines Interchange, Washington D.C., Sep 18, 2014.
25. Mackey TK. Evolution of Emerging and Re-Emerging Infectious Disease Governance. Osher Lifelong Learning Institute, Master Class I: Plague and Pestilence, San Diego, CA, May 6, 2015.
26. Mackey TK. Introduction to Global Health Policy, Bastyr University Center for Health Policy and Leadership, San Diego, CA, May 21, 2015.
27. Mackey TK. The Ukraine Crisis: An Opportunity for Global Health Diplomacy? UCSD Division of Global Public Health Trainee Session, San Diego, CA, June 4, 2015.
28. Mackey TK. Saving Lives with Connected Devices – Diagnostics Going Digital & Remote. Procopio, Cory, Hargreaves & Savitch, LLP, San Diego, CA, Sep 23, 2015 [panelist].
29. Mackey TK. Exploring Strategies to Improve Access to Medicines for the Bottom-billion: An Examination of the Innovation Environment for Neglected Tropical Diseases. 1<sup>st</sup> Annual Making Medicines Equal Conference, UC San Diego – School of Medicine, San Diego, CA, Oct 24, 2015.
30. Mackey TK. Counterfeit Drugs in the Legitimate Supply Chain: A Global Assessment [presented during special symposium “The Pandemic of Falsified and Substandard Medical Products: Detection Techniques and Policy Recommendations.” [invited symposium] 64<sup>th</sup> Annual Meeting American Society of Tropical Medicine & Hygiene. Philadelphia, PA, Oct 27, 2015.
31. Mackey TK. Responding to the Public Health Consequences of the Ukraine Crisis: An Opportunity for Global Health Diplomacy. Session Title: “Applied Global Health Diplomacy: Linking Communities with Government for Better Health Policy and Population Health” [invited scientific session] 2015 American Public Health Association Annual Meeting, Chicago, IL, Nov 2, 2015.
32. Mackey TK. Establishing the Link Between Twitter and Prescription Drug Abuse. UCSD Human Nature Group – Public Health, San Diego, CA, Dec 2, 2015.
33. Mackey TK. Direct-to-Consumer Advertising: Debate, Evolution, Data, and Health Policy Implications. UCSD Politics of Medicine Student Guest Speaker Session, San Diego, CA, Feb 18, 2016.
34. Mackey TK. After Counterfeit Avastin: What Have We Learned and What Comes Next. Los Angeles Invited Law Enforcement Training Event – Investigative Consultants, “Illicit Pharmaceutical Trade: What is the True Danger?” Torrance, CA, Apr 5, 2016.
35. Mackey TK. Prescription Rx Tweets?: Advancing Knowledge on Digital Prescription Drug Abuse. “Taking the Pulse of Governance, Accountability, and Transparency in the Pharmaceutical Sector: Diagnosing the Issues”, WHO Collaborating Centre Launch, University of Toronto, Toronto, Canada, Apr 29, 2016.
36. Mackey TK. Exploring Strategies for Medicines Access: Lessons from the Innovation and Policy Environment for Neglected Tropical Diseases “Policy & Politics Forum – Public Health Challenges for Access to New Medicines: Policy and Regulatory Options” [invited presentation and panel discussion] University Medical Center Utrecht Pharmaceutical Policy Analysis Summer Course 2016, Utrecht, Netherlands, July 14, 2016.
37. Mackey TK. Pharmaceutical [Block]chain: Disrupting the Trade in Counterfeit Medicines? [invited presentation] Medicine X, Blockchain Disrupt Workshop, Stanford University, California, Sept 14, 2016.
38. Mackey TK. Blockchain: The New Frontier in the Fight Against Counterfeit Medicines? [invited presentation] Medicine X, Stanford University, California, Sept 17, 2016.

39. Mackey TK. Global Health Policy: Challenges and Opportunities. UCSD Health Sciences International, San Diego, California, Oct 6, 2016.
40. Mackey TK. Twitter Analysis and Drug Abuse: Discussion About Data Collection, Methods, Analysis, and Recent Research. UCSD Human Nature Group – Public Health, San Diego, CA, Oct 18, 2016.
41. Mackey TK. Joint Comprehensive Plan of Actions: An Opportunity for Applied Health Diplomacy? Session Title: “Health Diplomacy: A Tool for Mobilizing the Right to Health” [invited scientific session] 2016 American Public Health Association Annual Meeting, Denver, CO, Oct 31, 2016.
42. Mackey TK. SDGs, Anti-corruption and Equity: Leave No-one Behind to Deliver on the SDGs [invited panel discussion] 17<sup>th</sup> International Anti-Corruption Conference (IACC), Panama City, Panama, December 1, 2016
43. Mackey TK. Securing the Drug Supply Chain: Using Blockchain to Fight Fake Medicines. IEEE Blockchain Summit, 2017 IEEE International Conference on Cloud Engineering, Simon Fraser University, Vancouver, British Columbia, Canada, April 4, 2017

#### POSTER PRESENTATIONS (Total: 12)

1. Mackey TK, Novotny TE. Strengthening the United Nations System: Amending the Helms-Biden Agreement. 2<sup>nd</sup> Annual Global Health Conference, Montreal, Canada, Nov 15, 2011.
2. Mackey TK, Liang BA. The Global Counterfeit Drug Trade: Patient Safety and Global Public Health Risks. 13<sup>th</sup> Annual World Federation of Public Health Association Meeting, Apr 26, 2012.
3. Mackey TK, Liang BA. Illicit Social Media Direct-to-Consumer Advertising for Online Pharmacies. 4<sup>th</sup> Annual San Diego Organization of Healthcare Leaders Conference, San Diego, CA, Nov 16, 2012.
4. Mackey TK, Liang BA. Combating Healthcare Corruption with Improved Global Health Governance. 4<sup>th</sup> Annual Global Health Conference, Washington D.C., Mar 14-16, 2013.
5. Mackey TK. No Rx Required!: The Rise of Illicit Digital Health Access through Online Pharmacies. 2013 Yale Bouchet Conference, New Haven, CT, Apr 20, 2013.
6. Mackey TK, Yagi N, Liang BA. Prescription Drug Coupons: Evolution and Hidden Cost in Direct-to-Consumer Advertising. 2013 American Public Health Association Annual Meeting, Boston, MA, Nov 5, 2013.
7. Mackey TK, Liang BA, Kohler JC, Attaran A. Health Domains for Sale: The Need for Better Global eHealth Governance of Health Information Online. Fifth Annual Global Health Conference, Washington DC, May 10, 2014.
8. Mackey TK, Cuomo RE. After Counterfeit Avastin: What Have We Learned to Help Protect Cancer Patients? American Cancer Society – Cancer Action Network 2014 San Diego Research Breakfast, San Diego, CA, Oct 15, 2014.
9. Mackey TK, Cuomo RE, Liang BA. Consumer Sunshine: Examination of DTCA Expenditures and Need for Transparency. 2014 American Public Health Association Annual Meeting, New Orleans, LA, Nov 18, 2014.
10. Mackey TK, Katsuki T, Cuomo RE. Digital Surveillance of Prescription Drug Abuse: An Accessible Methodology for Collecting and Analyzing Twitter NUPM Data. 7<sup>th</sup> Annual Global Health Conference, San Francisco, CA, Apr 10, 2016.
11. Mackey TK, Kalyanam J, Katsuki T, Lanckriet G,. Machine Learning to Detect Prescription Opioid Abuse Promotion by Illicit Online Pharmacies. Medicine X, Stanford University, CA, Sept 18, 2016 [finalist for poster award].
12. Mackey TK, Arora A. UN Summit on Noncommunicable Disease – Measuring Progress Five Years Later. 2016 American Public Health Association Annual Meeting, Denver, CO, Oct 31, 2016.

#### CO-AUTHORED ABSTRACTS PRESENTED BY OTHERS (Total: 15)

1. Aung, P, Mackey TK, Liang BA. Drug Safety Withdrawals from 2002 to 2012 in U.S., Canada, EU, and UK and Availability of these Withdrawn Medications from Illegal Online Pharmacies. 2013 National Institutes of Health and Clinical and Translational Research Institute Student Poster Presentation, UC San Diego, School of Medicine, San Diego, CA, January, 9 2014 [poster].
2. Qassimyar R, Fischer SL, Liang BA, Mackey T. Needs Assessment of Telemedicine in Afghanistan and a Global Call for Action for an International Tri-Partnership Mechanism. 2014 Med-e-Tel Conference, April 11, 2014.

3. Meacham MC, Wagner KD, Mackey T, Patterson TL, Strathdee SA, Roesch SC. Transitions in polydrug use among heroin and methamphetamine injectors in Tijuana, Mexico. College on Problems of Drug Dependence 76<sup>th</sup> Annual Meeting, June 17, 2014 [poster].
4. Cuomo RE, Mackey TK. Determining Demographic Risk Factors for Receiving Counterfeit Cancer Drugs. 8<sup>th</sup> Annual National Conference on Health Disparities, November 7<sup>th</sup>, 2014 [poster].
5. Cuomo RE, Mackey TK. Potential Demographic and Economic Risk Factors for Receipt of Counterfeit Cancer Medication. Sixth Annual Global Health Conference, Boston, MA, Mar 28, 2015 [poster].
6. Cuomo RE, Mackey TK. Economics of Counterfeit Avastin: A Geospatial and Statistical Analysis of Demographic Correlates to FDA Warning Letters. 2015 American Public Health Association Annual Meeting, Chicago, IL, Nov 2, 2015 [poster].
7. Cuomo R, Miner A, Mackey TK. Pricing and Sales Tax Collection Policies for e-cigarette Starter Kits and Disposable Products Sold Online. 2015 American Public Health Association Annual Meeting, Chicago, IL, Nov 3, 2015 [poster].
8. Setayesh S, Mackey TK. Economic Sanctions, Medication Shortages and Access to Medicines: The Case Study of Iran. 2015 American Public Health Association Annual Meeting, Chicago, IL, Nov 3, 2015.
9. Carrie H, Mackey TK, Laird S. Integrating Traditional Indigenous Medicine and Western Biomedicine: A Case Study of Health Policy Implementation Impact on Miskitu Health Services in Nicaragua. 2015 American Public Health Association Annual Meeting, Chicago, IL, Nov 3, 2015.
10. Akbarzada S, Schandera J, Mackey TK. Calling for International Legal Recognition of Internally Displaced Persons & Expanded Access to Health and Human Rights. 2015 American Public Health Association Annual Meeting, Chicago, IL, Nov 3, 2015.
11. Miner A, Mackey TK. Exploring the e-Cigarette e-Commerce Marketplace: Identifying Internet e-cigarette Marketing Characteristics and Regulatory Gaps. 2015 American Public Health Association Annual Meeting, Chicago, IL, Nov 3, 2015.
12. Anderson A, Mackey TK, Liang BA. Mapping of Health Promotion and Education Programs Addressing Public Health Dangers of Illicit Online Pharmacies. 2015 American Public Health Association Annual Meeting, Chicago, IL, Nov 3, 2015 [poster].
13. Cuomo RE, Mackey TK. Macroeconomic Factors Underlying Essential Cancer Medication Availability Among Low- and Middle-Income Countries. 7<sup>th</sup> Annual Global Health Conference, San Francisco, CA, Apr 9, 2016 [poster].
14. Guerra C, Mackey TK. Legal Analysis of U.S. Criminal and Civil Prosecutions Associated with Illicit Online Pharmacies. 2016 American Public Health Association Annual Meeting, Denver, CO, Oct 31, 2016.
15. Aburas R, Mackey TK, Najeeb A, Baageel L. Foundation of a Maternity and Children's Healthcare Center for Displaced Syrians. 2017 Migrant Labor and Global Health Conference, UC Davis, CA, March 2, 2017.

## **GUEST/VISITING LECTURER**

2016	Fundamentals of Global Health Summer Course, Utrecht Summer School (designed and lectured 4 sessions on global health topics), Summer 2016
2016	Pharmaceutical Policy Analysis Summer Course, Utrecht Summer School (Policy and Politics session), Summer 2016
2016	UC San Diego, Global Health Undergraduate Major (GLBH 181 "Essentials of Global Health, upper-division, Spring 16')
2011-present	UC San Diego, School of Medicine, Medical School Program (2 <sup>nd</sup> year medical students), October 11', October 13', September 14', September 15'
2011-present	San Diego State University, School of Public Health, Global Health Program, Fall 11', Fall 12', Fall 13', Fall 14', Fall 15', Fall 16'
2013	Chinese University of Hong Kong, International and Comparative Intellectual Property Law Course-Legal Faculty, Faculty of Social Science and Global Studies Program, September 24-25



- 2013 City University of Hong Kong, Department of Economics & Finance, September 26
- 2013 University of Saint Joseph, Macau, Government Studies Program, September 27
- 2013 San Diego State University, School of Public Health, Health Policy and Management Program, Spring 13'
- 2012 UC San Diego Extension, Mannheim Healthcare Executive Leadership Program (exchange students), October 5
- 2012 UC San Diego, Joint Doctoral Program Lecturer Series, January 17

## MEDIA ACTIVITIES

- 2017 **Media Activity:** Interview in Motherboard (Vice) article on the potential limitations of the new .health domain and quality of information online: [https://motherboard.vice.com/en\\_us/article/theres-a-new-health-domain-and-it-could-save-you-from-fake-medicine](https://motherboard.vice.com/en_us/article/theres-a-new-health-domain-and-it-could-save-you-from-fake-medicine)
- 2017 **Research Coverage:** Interview and news coverage of research on expanded access policies and social media in Medical Ethics Advisor: <https://www.ahcmedia.com/articles/139817-study-social-media-is-affecting-patients-access-to-investigational-drugs>
- 2016 **Teaching and Research Coverage:** Article on Institute for Health Metrics and Evaluation highlighting use of IHME data for graduate teaching on global health financing: <http://www.healthdata.org/acting-data/how-educators-are-informing-next-generation-gbd-research-and-tools>
- 2016 **Media Activity** Blog article published by BMC Series announcing appointment as Section Editor of Global Health at journal BMC Public Health: <http://blogs.biomedcentral.com/bmcseriesblog/2016/11/28/introducing-the-global-health-section-editor-for-bmc-public-health/>
- 2016 **Research Coverage:** Website article on STAT linking to published research on global health corruption: <https://www.statnews.com/2016/10/26/global-health-non-governmental-organizations/>
- 2016 **Media Activity** Interviewed for CNN article on how to pay less for prescription drugs and the impact of marketing on pharmaceutical drug pricing: <http://www.cnn.com/2016/08/25/health/where-to-get-cheap-drugs/>; LocalNews8: <http://www.localnews8.com/lifestyle/health/how-to-pay-less-for-your-prescription-drugs-legally/41373496>; Live TV interview on KUSI News: <http://www.kusi.com/clip/12696930/epipen-price>
- 2016 **Research Coverage:** Article on Oxford University Press OUPblog highlighting review article on dangers of illicit online pharmacies published in the British Medical Bulletin: <http://blog.oup.com/2016/06/digital-dangers-medicines-online/>
- 2016 **Media Activity:** Interviewed and featured with written profile as one of UCSD Extension's "50 Voices of the Future": <https://ucsandiegoextension.wordpress.com/2016/06/21/50-voices-of-the-future-timothy-ken-mackeys-prescription-for-a-clean-bill-of-global-health/>
- 2016 **Media Activity:** Interviewed and featured in news article in AARP on fake medicines and consumer protection: <http://www.aarp.org/health/drugs-supplements/info-2016/counterfeit-prescription-drugs-rx.html#slide1>
- 2016 **Media Activity:** Interviewed and featured in news article in Christian Science Monitor on tobacco control policy including the United Kingdom's decision to implement plain packaging and the court victory for Uruguay's national packaging laws: <http://www.csmonitor.com/World/Global-News/2016/0519/Must-cigarette-packaging-be-bland-and-indistinct-British-High-Court-says-yes?cmpid=push002>; and <http://www.csmonitor.com/World/Global-News/2016/0709/Uruguay-The-little-country-that-changed-tobacco-laws>
- 2016 **Research Coverage:** Washington Post article discussing research published in special issue of Global Health Governance on the Ebola outbreak: <https://www.washingtonpost.com/pb/news/monkey-cage/wp/2016/05/12/the-world-health-organization-is-electing-a-new-leader-heres-what-you-need-to-know/>
- 2016 **Research Coverage:** BioMed Central "On Health" blog network article highlighting study on international drug policy reform published in the Harm Reduction Journal:

- <http://blogs.biomedcentral.com/on-health/2016/04/18/ungass-2016-commentary-series-historic-opportunity-international-drug-policy-reform/>
- 2016 **Research Coverage:** Press release and video highlighting research on pharmaceutical regulation as published in Proceedings of Mayo Clinic: <https://www.youtube.com/watch?v=LCXkvXU1wd4&feature=youtu.be> (video); [http://www.mayoclinicproceedings.org/pb/assets/raw/Health%20Advance/jmcp/jmcp\\_pr91\\_4\\_2.pdf](http://www.mayoclinicproceedings.org/pb/assets/raw/Health%20Advance/jmcp/jmcp_pr91_4_2.pdf) (press release); and blog article on UCSD Health Sciences tumblr blog page: <http://ucsdhealthsciences.tumblr.com/post/142698354620/commentary-amarin-vs-fda-and-off-label-promotion>
- 2016 **Research Coverage:** Commissioned commentary in response to our research article published in BMC Medicine on social media and compassionate use: <http://bmcmecine.biomedcentral.com/articles/10.1186/s12916-016-0586-6>; and blog article in BioMed Central “On Medicine” blog network highlighting research findings: <http://blogs.biomedcentral.com/on-medicine/2016/02/10/going-social-help-terminally-ill-patients-gain-expanded-access/>
- 2015 **Research Coverage:** Media coverage of research Twitter and prescription drug abuse published in Journal of Medical Internet Research. Joint ASOP and GHPi Press Release (<http://www.prnewswire.com/news-releases/results-of-the-first-study-to-establish-a-link-between-twitter-and-illegal-online-pharmacies-published-in-jmir-300194388.html>); article by National Association of Boards of Pharmacy: <http://www.nabp.net/news/study-finds-link-between-twitter-content-and-illicit-online-pharmacies>; news article on IPWatchdog <http://www.ipwatchdog.com/2016/02/06/illicit-pharmaceutical-drug-sales-twitter/id=65659/>; news article in Knoxville Times: <http://www.knoxvilletimes.com/index.php/sid/240365839>; podcast on Digital Parent podcast (available on iTunes/Soundcloud): <http://digitalparentpodcast.com/illicit-online-pharmacies/>
- 2015 **Research Coverage:** Research coverage of presentation at the American Society for Tropical Medicine and Hygiene and published research on counterfeit/fake medicines in BioMed Central “On Medicine” blog network: <https://blogs.biomedcentral.com/on-medicine/2015/11/04/malaria-reservoir-ebola-challenges-counterfeit-drugs-astmh-64th-annual-meeting/>
- 2015 **Media Activity:** Interviewed and featured in news article in POLITICO Pro on drug companies using prescription drug discount program to gain access to patient data: <https://www.politicopro.com/ehealth/story/2015/12/big-pharma-gets-data-for-discounts-079507>
- 2015 **Media Activity:** Interviewed regarding special invited session on Applied Global Health Diplomacy during 2015 American Public Health Association Meeting by APHA TV: <https://www.youtube.com/watch?v=UBH1zywpXCc>
- 2015 **Research Coverage:** Media coverage of research on e-cigarette sales online published in Drug & Alcohol Dependence. UC San Diego Health System Press Release (<http://health.ucsd.edu/news/releases/Pages/2015-10-02-online-e-cigarette-vendors-use-Internet.aspx>); news article in Consumer Affairs: <http://www.consumeraffairs.com/news/researchers-find-that-ordering-e-cigarettes-online-is-pretty-easy-100615.html>; radio feature on KFBK-AM (aired October 6, 2015); La Jolla Light news article (October 8, 2015, page A7) and Live radio interview with KOGO Radio San Diego (aired October 15, 2015.)
- 2015 **Media Activity:** Interviewed and featured in news article in Science Magazine on the public health implications of the Transpacific Partnership Agreement: <http://news.sciencemag.org/health/2015/10/trade-agreement-praised-and-panned>
- 2015 **Research Coverage:** Media coverage of research on counterfeit medicines published in American Journal of Tropical Medicine & Hygiene. UC San Diego Health System Press Release (<http://health.ucsd.edu/news/releases/Pages/2015-04-20-falsified-medicines-taint-global-supply.aspx>); News Article in New Republic (<http://www.newrepublic.com/article/121589/counterfeit-medicine-global-problem>); Medical Daily (<http://www.medicaldaily.com/global-problem-counterfeit-drugs-affects-even-legitimate-sources-such-hospitals-and-329914#>); Medical News (<http://www.news-medical.net/news/20150421/UC-San-Diego-study-examines-counterfeit-drug-penetration-in-global-medicine-supply-chains.aspx>);

- Infection Control Today (<http://www.infectioncontrolday.com/news/2015/04/falsified-medicines-taint-global-supply.aspx>); Laboratory Equipment (<http://www.laboratoryequipment.com/news/2015/04/global-pandemic-counterfeit-medicine-needs-more-attention>); Pharma Technology Focus Article “Tip of the Iceberg” (<http://www.nridigital.com/pharma-technology-magazine/august-2015.html?wv=s%2FPharma%2520Technology%2520Focus%2F8e39fe4d-1815-5813-871a-d40dd3c7b8a6%2FPTF%25201507%2Ffake.html>); the Medicine Maker “Finding Fakes” ([https://themedicinemaker.com/fileadmin/user\\_upload/TMM\\_0915.pdf](https://themedicinemaker.com/fileadmin/user_upload/TMM_0915.pdf)); Live radio interview with CBS/KCBS Radio News San Francisco (aired April, 25, 2015.)
- 2015 **Research Coverage:** News article in Securing Industry quoting research on counterfeit Avastin published in Nature Reviews Clinical Oncology (<http://www.securingindustry.com/pharmaceuticals/fake-avastin-incident-could-happen-again-/s40/a2316/#.VSTI7VxEnih>)
- 2015 **Media Interview:** Interviewed and quoted in Pittsburgh Post-Gazette on new technology addressing counterfeit medicines (<http://www.post-gazette.com/business/healthcare-business/2015/02/20/Tiny-radio-transmitter-could-help-stifle-sales-of-bogus-meds/stories/201502220035>)
- 2014 **Research Coverage:** Research on health domains featured by numerous media outlets including National Public Radio (<http://www.npr.org/blogs/health/2014/09/26/351416992/will-dot-health-make-it-more-likely-that-youll-get-scammed>), the Canadian Broadcasting Corporation (<http://www.cbc.ca/news/health/health-websites-could-be-overrun-by-commercial-interests-experts-fear-1.2779128>), TechDirt (<https://www.techdirt.com/articles/20140926/08041428649/health-experts-issue-call-to-prevent-icanns-commercialization-new-health-domain-leading-to-exclusive-control-online-health.shtml>), Medical News Today (<http://www.medicalnewstoday.com/releases/283165.php>), Kaiser Health News (<http://www.kaiserhealthnews.org/Daily-Reports/2014/September/29/health-IT.aspx>), and Inside Science (<http://www.insidescience.org/content/new-internet-domains-could-affect-public-health-say-experts/2176>).
- 2014 **Speaking Coverage:** Featured story on panel discussion at BIO 2014 on BIOtechNOW website: (<http://www.biotech-now.org/health/2014/06/convention-attendees-make-the-call-on-expanded-access#>); Interviewed and quoted in healthcare business news article in Modern Healthcare regarding participation at BIO 2014. Article can be found at: <http://www.modernhealthcare.com/article/20140621/MAGAZINE/306219945/biotechconvention-weighs-orphan-drug-development-ethics>
- 2014 **Media Interview:** Interviewed and quoted in News Article in the medical journal CMAJ. Article can be found at: <http://www.cmaj.ca/content/early/2014/04/07/cmaj.109-4739.full.pdf+html>
- 2014 **Research Coverage:** Research and quotes from interview on health domains featured in article in Medpage Today. Article can be found at: <http://www.medpagetoday.com/PracticeManagement/InformationTechnology/44766>
- 2013 **Media Interview:** News coverage in Hong Kong and Macau in Macau Daily Times, Macao Daily (Chinese), and Exmoo News (Chinese) on advocacy for counterfeit medicines issue as part of activities with University of Saint Joseph and the Consulate General of the United States Hong Kong & Macau. Articles can be found at: <http://www.macaodailytimes.com.mo/macau/47403-us-professor-timothy-mackey%3A-“a-global-solution-is-needed-in-fighting-counterfeit-drugs”.html>; [http://www.macaodaily.com/html/2013-09/28/content\\_840724.htm](http://www.macaodaily.com/html/2013-09/28/content_840724.htm); and <http://www.exmoo.com/index.php?m=content&c=index&a=show&catid=17&id=30753>
- 2013 **Media Interview:** Interview and story about research published in JAMA regarding direct-to-consumer advertising featured in news article in Toronto Star. Article can be found at: [http://www.thestar.com/news/insight/2013/08/05/big\\_pharma\\_likes\\_social\\_media\\_for\\_marketing.html](http://www.thestar.com/news/insight/2013/08/05/big_pharma_likes_social_media_for_marketing.html)
- 2013 **Media Interview:** SDSU News Center, “Counterfeit Inspiration”, link: [http://newscenter.sdsu.edu/sdsu\\_newscenter/news.aspx?s=74268](http://newscenter.sdsu.edu/sdsu_newscenter/news.aspx?s=74268)
- 2012 **Media Interview:** Endocrine News, “Imposters in the Medicine Cabinet: A wave of counterfeit drugs puts public at risk”, December 2012.

- 2012 **Media Interview:** ABC World News National TV Broadcast and News Story, “Fake Online Pharmacies”, link: [http://abcnews.go.com/Health/fda-warns-consumers-dangers-buying-prescription-drugs-online/story?id=17352895#.UlrOBW\\_A9YU](http://abcnews.go.com/Health/fda-warns-consumers-dangers-buying-prescription-drugs-online/story?id=17352895#.UlrOBW_A9YU) (News report) and <http://abcnews.go.com/WNT/video/online-prescription-drug-dangers-17353130> (TV Broadcast)
- 2012 **Research Coverage:** CSPAN-3, PSM 2012 Presentation, link: <http://www.cspan.org/Events/Partnership-for-Safe-Medicines-Hosts-Counterfeit-Drug-Conference/10737434501-8/>
- 2012 **Research and Advocacy Coverage:** Center for Policy Analysis on Trade and Health (CPATH) article and link to research, link: <http://www.cpath.org/id49.html>.
- 2011 **Research Coverage:** FiercePharma Manufacturing article highlighting research, link: <http://www.fiercepharmamanufacturing.com/node/9879/print>
- 2011 **Media Interview:** San Diego News Network (SDDN.com), interview and article on San Diego jobs in healthlaw and healthcare studies, link: <http://www.sdn.com/sandiego/2010-05-10/jobs-careers-employment/how-to-get-a-san-diego-job-in-health-law>.

## COMMUNITY SERVICE

- 2014 Guest speaker at American Cancer Society 2014 Relay for Life Opening Ceremony, San Diego, CA, USA
- 2006–2011 Corporate Secretary, International Christian Church of San Diego, 501(c)(3) non-profit faith based organization

## EDUCATIONAL TRAINING

- >**Research Training:** Robert Wood Johnson Foundation, New Connections Tenth Annual Research and Coaching Clinic, October 2016 (invited and funded attendee.)
- >**Teaching Training:** Council on Foreign Relations, College and University Educators Workshop, April 2016 (invited and funded attendee.)
- >**Leadership Training:** Association of Schools of Public Health (ASPH) Student Leadership Institute, October 2012 (invited and funded attendee.)

## OTHER TECHNICAL SKILLS AND TRAINING

- UC San Diego – Extension, Paralegal Certificate (2004)
- UC San Diego – Extension, Coursework in Intellectual Property Certificate, Coursework in Geographic Information Systems Certificate, Legal Ethics, Biostatistics, Overview of Regulatory Affairs for Medical Devices, Photography, and Microsoft Sharepoint
- Foreign Languages: Japanese (日本語)
- Statistical and Data Analysis Software: SPSS, NVivo 10, Tableau
- GIS Software: ArcGIS Desktop/Online
- Network Analysis Software: Gephi, NodeXL
- Research Citation Software: Papers3, Endnote X3, Zotero
- Survey Tools: SurveyMonkey
- Graphic and Web Design: Proficient in Adobe Creative Suite 5/6 and Rapidweaver
- Webserver and Database: Microsoft Sharepoint Server, OSX Lion Server

## ONLINE REFERENCES

- UC San Diego Health Sciences Profile: <http://profiles.ucsd.edu/timothy.mackey>
- Global Health Policy Institute Profile: <http://www.ghpolicy.org/team/tmac/index.html>
- Linkedin Profile: [www.linkedin.com/in/tkmackey/](http://www.linkedin.com/in/tkmackey/)
- ResearchGate Profile: [https://www.researchgate.net/profile/Tim\\_Mackey/?ev=hdr\\_xprf](https://www.researchgate.net/profile/Tim_Mackey/?ev=hdr_xprf)
- Google Scholar: <http://scholar.google.com/citations?user=o1IVUQIAAAAJ>

ORCID: <http://orcid.org/0000-0002-2191-7833>

Publons: <https://publons.com/author/304712/tim-mackey#profile>