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CURRICULUM VITAE

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Personal Statement of Research Interests

The primary goal of my research is to develop, evaluate, and disseminate efficient methods for comparing healthcare interventions and to provide trust-worthy evidence for decision-making. I have an international reputation in leading methodologic research in clinical trials, systematic review, network meta-analysis, comparative effectiveness research, and patient-centered outcomes research.

Education

2010	PhD	**Epidemiology** Johns Hopkins Bloomberg School of Public Health (JHBSPH), Baltimore, Maryland, USA
2010	MHS	**Biostatistics** Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, USA
2004	MD	**Medicine** West China Medical Center, Sichuan University, Chengdu, Sichuan, China

Academic Appointments

2019-present	Associate Professor (tenured), Department of Ophthalmology, School of Medicine, University of Colorado Anschutz Medical Campus
2017-2019	Associate Professor (tenure track), Department of Epidemiology, JHBSPH
2012-2017	Assistant Professor (tenure track), Department of Epidemiology, JHBSPH
2010-2012	Assistant Scientist, Department of Epidemiology, JHBSPH

Hospital, Government or Other Professional Positions

2021-present	Bone, Reproductive, and Urologic Drugs Advisory Committee, US Food and Drug Administration
2018-present	Director, Cochrane Eyes and Vision US Project
2018-present	Coordinating Editor, Cochrane Eyes and Vision
2017-2018	Scientific Advisor, Special Government Employee, Center for Tobacco Products, US Food and Drug Administration
2012-2018	Associate Director, Cochrane United States
2010-2018	Research Director, Cochrane Eyes and Vision US Project

Honors, Special Recognitions and Awards

Honors

2011	Delta Omega Honor Society in Public Health, Alpha Chapter

2011 Phi Beta Kappa Society

Awards

2021 Bill Silverman Prize, Cochrane
2019 Anne Anderson Award, Cochrane
2016 Inaugural Early Career Award, Society for Research Synthesis Methodology
2015 Top Scoring Oral Presentation, Inaugural REWARD/EQUATOR Conference
2013 Faculty Innovation Fund, JHBSPH
2009 Dorothy and Arthur Samet Student Support Fund Award, Department of Epidemiology, JHBSPH
2004-2009 Cochrane Eyes and Vision Group Fellowship, Department of Epidemiology, JHBSPH
2007-2008 Community Health Scholars Program Scholarship, Department of Health, Behavior and Society, JHBSPH

Academic Service

2018-2019 Co-Chair, Admissions and Credentials Committee, Department of Epidemiology, JHBSPH
2016-2018 Member, Admissions and Credentials Committee, Department of Epidemiology, JHBSPH
2015-2017 Member, Honors and Awards Committee, Department of Epidemiology, JHBSPH
2012-2014 Member, Comprehensive Exam Committee, Department of Epidemiology, JHBSPH

Membership in Professional Organizations

2021-present President-elect, Society for Research Synthesis and Methods
2019-present Methods Executive, Cochrane
2019-2021 Secretary, Society for Research Synthesis and Methods
2016-present Member, Society for Research Synthesis and Methods
2011-present Member, Society for Clinical Trials
2016-2018 Center Directors Executive, Cochrane Collaboration
2011-present Co-Convenor, Comparison of Multiple Interventions Methods Group, Cochrane Collaboration (http://cmimg.cochrane.org/)
2013-2017 Co-Convenor, Agenda and Priority Setting Methods Group, The Cochrane Collaboration (http://capsmg.cochrane.org/)
2007-2008 Member, American Public Health Association (APHA)
2007-present Member, Association of Research in Vision and Ophthalmology (ARVO)

Major Committee and Service Responsibilities

Data Safety and Monitoring Board

2020-present Medication and Neural Targets in Rheumatoid arthritis (PI: Patrick Finan, Johns Hopkins University School of Medicine)
2019-present Fluoromethelone as Adjunctive Therapy for Trachomatous Trichiasis Surgery (FLAME) trial (PIs: John Kempen, Harvard Medical School; Guishuang Ying, University of Pennsylvania School of Medicine)
2015-2020 MRI Outcomes of Mindfulness Meditation for Migraine Study (PI: David A. Seminowicz; University of Maryland Baltimore)

Committee Membership

2020-2021 Committee Member, Closing Evidence Gaps in Clinical Prevention, A Consensus Study Report of the National Academies of Sciences, Engineering, and Medicine (NASEM)

2020-present Expert Advisory Board, A continuously updated meta-ecological study of the effects of COVID-19 pandemic on mental health, alcohol/substance abuse and violence in the general population, Institute of Social and Preventive Medicine, University of Bern

2020-present Expert Advisory Board, Estimating infertility prevalence at the global, regional, and country-level by systematically reviewing and synthesizing current global infertility estimates, World Health Organization (WHO) Department of Sexual and Reproductive Health and Research

2019-present Expert Advisory Board, Preferred Reporting Items for Overview of Reviews

2017-2018 Committee Member, Crossing the Global Quality Chasm: Improving Health Care Worldwide, A Consensus Study Report of the National Academies of Sciences Engineering and Medicine (NASEM)

Program Committee

2018 Program Committee member, Society for Clinical Trials

2016-2018 Chair, Thomas Chalmers Award Committee, Cochrane Collaboration

2015-2016 Committee member, Trial of the Year, Society for Clinical Trials

2015 Committee member, Thomas Chalmers Award Committee, The Cochrane Collaboration

2011-2013 Committee member, Student Scholarship Committee, Society for Clinical Trials

Abstract Committee

2015 23rd Cochrane Colloquium. Vienna, Austria

2013 21st Cochrane Colloquium. Quebec City, Canada

Workshop Committee

2016 25th Cochrane Colloquium. Seoul, South Korea

2014 22nd Cochrane Colloquium. Hyderabad, India

Meetings Organized

2021 Methods Symposium: Advanced Methods and Innovative Technologies for Evidence Synthesis. February-March 2021. Virtual conference.

2018 Data Monitoring in Clinical Trials, Symposium. March 7, 2018. JHBSPH

2013 Prevention and Handling of Missing Data, Symposium. October 2, 2013. JHBSPH

2012 Comparing Multiple Interventions Methods Meeting, the Cochrane Collaboration. April 19, 2012. Paris, France

2010 Network Meta-Analysis Methods Meeting and Workshop. May 19-21, 2010. JHBSPH

Consultations

2020 ICF Incorporated, LLC.

2018-2019 IDOC Software Inc.

2011-2019 Center for Clinical Trials Study Design Consulting Center, the Johns Hopkins Institute for Clinical and Translational Research

2013-2014 Outcomes Insights, Inc. Westlake Village, California

2012 Blue Cross and Blue Shield Association, Chicago, Illinois

Review and Referee Work

Editorial Boards

2021-present Statistical Editor, *Annals of Internal Medicine*

2020-present Author, *Textbook of Epidemiology 2nd Edition*

2019-present	Reviews Editor, *JAMA Ophthalmology*
2019-present	Editorial Board Member, *Journal of Clinical Epidemiology*
2018-present	Editor, *Treatment effects in mental health: a new approach to evidence synthesis*
2017-present	Section Editor, *Principles and Practice of clinical Trials*
2017-2019	Associate Scientific Editor, *Cochrane Handbook for Systematic Reviews of Interventions 2nd Edition*
2017-present	Co-Editor-in-Chief, *Trials*
2015-2017	Senior Editor, *Trials*
2010-2019	Associate Editor*, Ophthalmology*

Peer Review Activities (selected)

Agency for Healthcare Research and Quality Effective Health Care Program
American Journal of Epidemiology
American Journal of Ophthalmology
Annals of Internal Medicine
BMC Medical Research Methodology
Clinical Optometry
Clinical Trials
Epidemiologic Reviews
Journal of the American Geriatric Society
Journal of the American Medical Informatics Association
Journal of the American Medical Association
Journal of Clinical Epidemiology
Ophthalmology
Ophthalmic Epidemiology
PLOS ONE
PLOS Medicine
Statistics in Medicine
Research Synthesis Methods
Systematic Reviews
The Cochrane Library
RAND Corporation
Trials

Ad Hoc Review of Grant Proposals

2017, 2018	Agency for Healthcare Research and Quality (AHRQ)
2017	US Food and Drug Administration (FDA)
2016	Medical Research Council (MRC), UK
2014	Cochrane Collaboration Methods Innovation Fund
2013	Patient-Centered Outcomes Research Institute (PCORI)

Invited extramural lectures, presentations and visiting professorships

Presentations *(*students supervised or mentored)*

Scientific Meetings - International

- Qureshi R*, Han G, Fapohunda K, Abariga S, Wilson R, **Li T**. *Authorship diversity among systematic reviews in eyes and vision.* Presented at the 26th Cochrane Colloquium, Santiago, Chile. October 2019 (oral; https://www.youtube.com/watch?v=HIZRlDxWm6k&feature=youtu.be).

- E JY*, Saldanha IJ, Canner J, Schmid CH, Le JT, **Li T**. *Does level of experience matter when abstracting data for systematic reviews?* Presented at the 26th Cochrane Colloquium, Santiago, Chile. October 2019 (oral; https://www.youtube.com/watch?v=dYTtHhiL_S4).

- **Li T**, Downie L, Michelessi M, Lois N, Watson S. *Excellence in sight: enhancing the methodological rigor of clinical research to inform eye care practice and future research – Special Interest Group (SIG).* Presented at the Association for Research in Vision and Ophthalmology 2019 Annual Meeting, Vancouver, Canada. May 2019 (oral).

- Qureshi R*, Le JT, Twose C, Rosman L, Scherer R, **Li T**. *Reliable and unreliable systematic reviews in retina/vitreous conditions.* Presented at the Association for Research in Vision and Ophthalmology 2019 Annual Meeting, Vancouver, Canada. May 2019 (poster).

- **Li T**, Saldanha IJ, Smith B, Jap J, Canner J, Schmid CH for the DAA investigator team. *Data Abstraction Assistant (DAA), a new tool, saves time without compromising the accuracy of data abstraction during systematic reviews.* Presented at the 25th Cochrane Colloquium, Edinburgh, UK. September 2018 (oral).

- Le JT*, Qureshi R*, Rosman L, Scherer R, **Li T**. *All that glitter is not gold: predatory journals may be open access, but not openly accessible.* Presented at the 25th Cochrane Colloquium, Edinburgh, UK. September 2018 (poster).

- **Li T**, Saldanha IJ, Smith B, Jap J, Canner J, Dickersin K, Schmid CH for the DAA investigator team. *Data Abstraction Assistant (DAA), a new tool, saves time without compromising the accuracy of data abstraction during systematic reviews.* Presented at the 13th Annual Meeting of the Society for Research Synthesis Methodology, Bristol, UK. July 2018 (oral).

- Le JT*, **Li T**. *Choosing outcomes for research: a matter of perspectives.* Oral presentation at the 13th Annual Meeting of the Society for Research Synthesis Methodology. Bristol, United Kingdom. July 2018 (oral).

- Saldanha IJ, Jap J, Smith B, Dickersin K, Schmid C, **Li T**. *Data Abstraction Assistant (DAA) – What can it do and does it work?* Presented at the Global Evidence Summit, Cape Town, South Africa. September 2017 (oral).

- Le JT*, Stewart G, Dickersin K, **Li T**. *Social media strategy for disseminating systematic review evidence.* Presented at the Global Evidence Summit, Cape Town, South Africa. September 2017 (poster).

- Le JT*, Fusco N, Lindsley K, Chaimani A, Cao M, Chen Y, **Li T**. *Analyzing rank statistics: The Cochrane Kit Kat Trial.* Presented at the Global Evidence Summit, Cape Town, South Africa. September 2017 (poster).

- **Li T**, Le JT*, Fusco N, Lindsley K, Chaimani A, Chen Y, Shrier I, Dickersin K. *The world's best candy bars? Analyzing rank statistics.* Presented at the Society for Research Synthesis Methodology Annual Meeting, Montreal, Canada. July 2017 (panel discussion).

- **Li T**, Hong H, Fusco N, Mayo-Wilson E, Dickersin K. *Too much data from too many sources: what is the best estimate of the treatment effect?* Presented at the 24th Cochrane Colloquium, Seoul, South Korea. October 2016 (oral).

- Saldanha IJ, Jap J, Smith B, Dickersin K, Schmid C, **Li T**. *Data Abstraction Assistant (DAA): a new open-access tool being developed and tested in a randomized controlled trial.* Presented at the 24th Cochrane Colloquium, Seoul, South Korea. October 2016 (oral).

- Saldanha IJ, **Li T**, Williamson P, Dickersin K. *Do systematic reviewers and clinical trialists in the same field consider similar outcomes to be important? A case study in HIV/AIDS.* Presented at the 24th Cochrane Colloquium, Seoul, South Korea. October 2016 (oral).

- Saldanha IJ, Wen J*, Schmid C, **Li T**. *What characteristics classify 'experience' with data abstraction?* Presented at the 24th Cochrane Colloquium, Seoul, South Korea. October 2016 (poster).

- Golozar A, Lindsley K, Musch D, Lum F, Dickersin K, **Li T**. *Partnership between Cochrane Eyes and Vision and the American Academy of Ophthalmology to identify systematic review evidence for clinical practice guidelines.* Presented at the 24th Cochrane Colloquium, Seoul, South Korea. October 2016 (oral).

- Fusco N, Mayo-Wilson E, **Li T**, Dickersin K. *Do multiple data sources about a single trial agree on risk of bias and PICO (participant, intervention, comparator, outcome) information?* Presented at the 24th Cochrane Colloquium, Seoul, South Korea. October 2016 (oral).

- Fusco N, Dickersin K, Scherer RW, Bertizzolo L, Saldanha I, Vedula SS, **Li T**, Mayo-Wilson E. *The pros and cons of including abstracts in systematic reviews: finding from the Multiple Data Sources Study (MUDS).* Presented at the 24th Cochrane Colloquium, Seoul, South Korea. October 2016 (poster).

- Fusco N, Le JT*, Rouse B*, Arno A, Elliott J, **Li T**, Dickersin K. *Feedback on Covidence by systematic reviewers.* Presented at the 24th Cochrane Colloquium, Seoul, South Korea. October 2016 (poster).

- Fusco N, Mayo-Wilson E, **Li T**, Dickersin K. *Evidence that multiplicity in outcome definitions could introduce selective outcome reporting.* Presented at the 24th Cochrane Colloquium, Seoul, South Korea. October 2016 (poster).

- Le JT*, Datar R, Fitton N, Hesson D, Jampel H, Lindsley K, **Li T**. *Disseminating Cochrane findings to consumers through online, animated video summaries.* Presented at the 24th Cochrane Colloquium, Seoul, South Korea. October 2016 (oral).

- Le JT*, Saldanha IJ, Gooding I, Kanchanaraksa S, Twose C, Dickersin K, Li T. *Teaching systematic review methods to a massive, open, and online audience.* Presented at the 24th Cochrane Colloquium, Seoul, South Korea. October 2016 (poster).

- Le JT*, Rouse B*, **Li T**, Saldanha IJ, Scherer R, Heid K, Dickersin K. *Just because it's 'new' doesn't mean it's 'better' – an interactive method for teaching randomized trial design.* Presented at the 24th Cochrane Colloquium, Seoul, South Korea. October 2016 (poster).

- **Li T,** Le JT*, Dickersin K. *Teaching systematic review methods to a massive, open, and online audience.* Presented at the Society for Research Synthesis and Methodology Annual Meeting. Florence, Italy. July 2016 (oral).

- **Li T**, Hong H, Fusco N, Mayo-Wilson E, Dickersin K. *Too much data from too many sources – what is the best estimate of the treatment effect?* Presented at the Society for Research Synthesis and Methodology Annual Meeting. Florence, Italy. July 2016 (oral).

- Saldanha IJ, **Li T,** Yang C, Ugarte-Gil C, Rutherford G, Dickersin K. *Social network analysis for identifying central outcomes for clinical research: a case study using Cochrane reviews of HIV/AIDS.* Presented at the 23rd Cochrane Colloquium, Vienna, Austria. October 2015 (oral).

- Law A*, Lindsley K, Rouse B*, Wormald R, Dickersin K, **Li T.** *Over 56,000 participants' data 'wasted': an example from randomized controlled trials of medical interventions for open-angle glaucoma.* Presented at the 23rd Cochrane Colloquium, Vienna, Austria. October 2015 (poster).

- **Li T**, Rouse B*, Shi Q*, Dickersin K. *Working from all angles.* Presented at the Inaugural REWARD/EQUATOR Conference. Edinburgh, UK. October 2015 (top scoring abstract, oral).

- Dickersin K, Saldanha IJ, Le JT, Law A, Scherer R, **Li T**. *Use of a well-known surrogate outcome instead of a patient important outcome can be viewed as research waste: Examination of an ad hoc sample of clinical trials and systematic reviews.* Presented at the inaugural REWARD/EQUATOR conference. Edinburgh, UK. October 2015 (oral).

- Gresham G*, Matsumura S **Li T**. *Faster may not be better: Data abstraction for systematic reviews.* Presented at the 22nd Cochrane Colloquium, Hyderabad, India. September 2014 (poster).

- Fusco N, Saldanha IJ, Gresham G*, **Li T**. *Lack of originality in non-Cochrane systematic reviews.* Presented at the 22nd Cochrane Colloquium, Hyderabad, India. September 2014 (poster).

- Lindsley K, Virgili G, Bacherini D, Dickersin K, **Li T**. *Keeping up with the evidence: prioritizing, updating, and refining the scope of Cochrane systematic reviews for the treatment of age-related macular degeneration.* Presented at the 22nd Cochrane Colloquium, Hyderabad, India. September 2014 (poster).

- Saldanha IJ, **Li T**, Heyward J, Dickersin K. *Are Cochrane review protocols available and protocol amendments documented? A study of two review groups' reviews on HIV/AIDS and four common eye conditions.* Presented at the 22nd Cochrane Colloquium, Hyderabad, India. September 2014 (poster).

- Wang X, Hui X, Lindsley K, **Li T**, Yu T, Wormald R, Dickersin K. *Priority setting project for open-angle glaucoma and angle-closure glaucoma: where we are now?* Presented at the 22nd Cochrane Colloquium, Hyderabad, India. September 2014 (poster).

- Saldanha IJ, Dickersin K, Ugarte-Gil C, **Li T**, Rutherford G, Volmink J. *Do Cochrane reviews measure enough of what patients want? A collaborative study of Cochrane reviews on HIV/AIDS.* Presented at the 22nd Cochrane Colloquium, Hyderabad, India. September 2014 (oral).

- Lindsley K, Cameron N, Wormald R, **Li T**, Dickersin K. *Evaluating the transitivity assumption when constructing network meta-analysis: lumping or splitting?* Presented at the 21st Cochrane Colloquium, Quebec City, Canada. September 2013 (oral).

- **Li T**, Wormald R, Dickersin K. *Glaucoma drug trials: why 349 trials and 130 unique interventions?* Presented at the 21th Cochrane Colloquium, Quebec City, Canada. September 2013 (poster).

- **Li T**, Vedula S, Hadar N, Parkin C, Lau J, Dickersin K. *Technological solutions for enhancing efficiency and sustainability of data abstraction in systematic reviews.* Presented at the 21st Cochrane Colloquium, Quebec City, Canada. September 2013 (poster).

- Saldanha I, Wang X, **Li T**, Dickersin K. *Completeness of outcome specification across Cochrane systematic reviews of three common eye conditions: time to be more explicit!* Presented at the 21st Cochrane Colloquium, Quebec City, Canada. September 2013 (poster).

- Saldanha I, Wang X, **Li T**, Dickersin K. *Variation in outcome measure usage across Cochrane systematic reviews related to three common eye conditions.* Presented at the 21st Cochrane Colloquium, Quebec City, Canada. September 2013 (oral).

- Rosman L, Twose C, Li M, **Li T**, Saldanha I, Dickersin K. *Teaching searching in an intensive systematic review course: "how many citations should I expect to review?"* Presented at the 21st Cochrane Colloquium, Quebec City, Canada. September 2013 (poster).

- Ssemanda E*, **Li T**, Dickersin K. *Systematic reviews and meta-analysis in eyes and vision: first steps in identifying gaps in ophthalmology research.* Presented at the 21st Cochrane Colloquium, Quebec City, Canada. September 2013 (poster).

- Ssemanda E*, Ugarte Gil C*, **Li T**, Dickersin K. *Interventions for age-related macular degeneration: what is the quality of the evidence?* Presented at the 21st Cochrane Colloquium, Quebec City, Canada. September 2013 (poster).

- Saldanha IJ, Vedula SS, Yu T*, Rosman L, Twose C, **Li T**, Dickersin K. *Learning by doing - teaching systematic review methods in 8 weeks.* Presented at the 20th Cochrane Colloquium, Auckland, New Zealand. October 2012 (poster).

- Wang X, Lindsley K, **Li T**. *Is there agreement in outcomes among Cochrane reviews to support 'Overviews' of reviews? A case study within the Cochrane Eyes and Vision Group.* Presented at the 20th Cochrane Colloquium, Auckland, New Zealand. October 2012 (poster).

- Yu T*, **Li T**, Dickersin K. *Outcome reporting in clinical trials and systematic reviews on medical interventions for primary open-angle glaucoma.* Presented at the 20th Cochrane Colloquium, Auckland, New Zealand. October 2012 (poster).

- **Li T**, Dickersin K. *Impact, accountability, and sustainability of the Cochrane prioritization project – Eyes and Vision Group experience.* Presented at the 19th Cochrane Colloquium, Madrid, Spain. October 2011 (oral).

- Yu T*, **Li T**, Puhan M, Dickersin K. *Setting priorities for comparative effectiveness research on the management of primary angle closure (PAC): A survey of Asia-Pacific clinicians.* Presented at the 19th Cochrane Colloquium, Madrid, Spain. October 2011 (poster).

- **Li T**, Dickersin K. *Teaching systematic reviews and meta-analysis – Three approaches, many opinions.* Presented at the 6th Annual Meeting of the Society for Research Synthesis Methodology, Ottawa, Canada. July 2011 (oral).

- **Li T**, Scherer R, Ssemanda E, Ervin A, Dickersin K. *Challenges in peer reviewing evidence-based clinical practice guidelines: do we know the degree to which the guidelines reflect underlying evidence?* Presented at the Sixth International Congress on Peer Review Congress and Biomedical Publication, Vancouver, Canada. September 2009 (poster).

- **Li T**, Scherer R, Jampel H, Ervin A, Dickersin K. *Evidence-based priority-setting for new systematic reviews: a case study for primary open-angle glaucoma.* Presented at the XVI Cochrane Colloquium, Freiburg, Germany. October 2008 (oral).

- Ssemanda E*, Dickersin K, **Li T**, Scherer R, Ervin A, Hawkins B. *The E-trial project: first steps in the development of a study-based eyes and vision trials database.* Presented at the XVI Cochrane Colloquium, Freiburg, Germany. October 2008 (poster).

- **Li T**, Scherer R, Twose C, Dickersin K. *Identification and characterization of systematic reviews in eyes and vision*. Presented at the XV Cochrane Colloquium, São Paolo, Brazil. October 2007 (oral).

Scientific Meetings – National

- Wang L*, Hong H, Paller C, Brawley O, **Li T**. *Is current trial data sharing status conducive for evidence generation for personalized medicine? A failed attempt to conduct an individual patient trial data network meta-analysis.* Presented at the International Society for Pharmacoeconomics and Outcomes Research (ISOPR) Annual Meeting. Virtual (poster).

- E JY*, Schrack JA, Wanigatunga A, Mihailovic A, West SK, Friedman DS, Gitlin LN, **Li T**, Ramulu PY. *Patterns of daily physical activity across the spectrum of visual field damage in glaucoma patients.* Presented at the Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting. May 2020 (oral).

- Mihailovic A, E JY* West SK, Friedman DS, Gitlin LN, **Li T**, Schrack JA, Ramulu PY. *Characterizing the impact of fear of falling on accelerometer-defined physical activity and future falls in older adults with glaucoma.* Presented at the Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting. May 2020 (oral).

- E JY*, Ramulu PY, Fapohunda K, **Li T**, Scherer RW. Frequency of abstracts presented at vision conferences being developed into full length publications: a systematic review and meta-analysis. Presented at the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual Meeting. Orlando, Florida. May 2020 (poster).

- **Li T**, Qureshi R, Berlin JA, Rosner G, Chen Y, Dickersin K. *Synthesizing adverse events data: challenges and approaches.* Panel discussion presented at the 2019 Society for Research Synthesis and Methodology Annual Meeting. Chicago, Illinois. July 2019 (oral).

- **Li T**. *Douglas Altman and his mentoring legacy.* Presented at the 2019 Eastern North American Region International Biometric Society Annual Meeting. Philadelphia, Pennsylvania. March 2019 (oral).

- Le JT*, Gooding I, Kanchanaraksa S, Dickersin K, Holbrook JT, **Li T**. *Teaching clinical trials and systematic reviews to a massive, open, and online audience.* Presented at the 2018 Society for Epidemiologic Research Annual Meeting. Baltimore, Maryland. June 2018 (poster).

- Quereshi R*, Le JT*, **Li T**, Ibrahim M, Dickersin K. *Gender and editorial authorship in the epidemiologic literature.* Presented at the 2018 Society for Epidemiologic Research Annual Meeting. Baltimore, Maryland. June 2018 (poster).

- Wang L*, Chen Y, Schmid C, **Li T**. *Using FDA website and clinicaltrials.gov to identify trials for network meta-analysis: a case study on first-line medications for glaucoma.* Presented at the Society for Clinical Trials 39th Annual Meeting, Portland, Oregon. May 2018 (oral).

- Wen J*, Bicket A, Dickersin K, **Li T**. *Adverse events in 103 randomized trials on 1st line glaucoma eye drops.* Presented at the Society for Clinical Trials 39th Annual Meeting, Portland, Oregon. May 2018 (poster).

- Le JT*, Bicket A, Tarver ME, Eydelman M, Bridges JF, **Li T**. *Is intraocular pressure, a surrogate outcome, important to patients with glaucoma?* Presented at the Society for Clinical Trials 39th Annual Meeting, Portland, Oregon. May 2018 (poster).

- Rouse B*, **Li T**. *Network meta-analysis for clinical practice guidelines – a case study on first-line medical therapies for primary open-angle glaucoma.* Presented at the Guideline International Conference, Philadelphia, Pennsylvania. September 2016 (poster).

- Shi Q*, **Li T**. *Impact of publication bias on network meta-analysis: a network meta-analysis of primary open angle glaucoma or ocular hypertension drugs using publicly available data from FDA clinical reviews.* Presented at the Society for Clinical Trials 36th Annual Meeting, Arlington, Virginia. May 2015 (oral).

- Rouse B*, **Li T**. *Would network meta-analysis have changed clinical practice guideline recommendations? A case study on first-line medical therapies for primary open-angle glaucoma.* Presented at the Society for Clinical Trials 36th Annual Meeting, Arlington, Virginia. May 2015 (poster).

- Zeng L*, Drye LA, **Li T**. *Characterizing reporting of phase 3 crossover trials registered on clinicaltrialg.gov.* Presented at the Society for Clinical Trials 36th Annual Meeting, Arlington, Virginia. May 2015 (poster).

- Gresham G*, Matsumura S, **Li T**. *Evaluating the efficiency and efficacy of data abstraction for systematic reviews using systematic review data repository.* Presented at the Society for Clinical Trials 35th Annual Meeting, Philadelphia, Pennsylvania. May 2014 (poster).

- Saldanha IJ, Ugarte-Gil C*, **Li T**, Dickersin K, Rutherford G, Volmink J. *Choosing the best outcomes when designing clinical trials: A case study using Cochrane reviews addressing HIV/AIDS.* Presented at the Society for Clinical Trials 35th Annual Meeting, Philadelphia, Pennsylvania. May 2014 (poster).

- Yu T*, **Li T**, Hawkins B, Dickersin K. *Reporting of crossover trials on medical interventions for glaucoma.* Presented at the 7th International Congress on Peer Review and Biomedical Publication, Chicago, Illinois. September 2013 (oral).

- **Li T**, Dickersin K. *Challenges of network meta-analysis for comparative effectiveness research.* Presented at the Eastern North American Region/International Biometric Society (ENAR) 2011 Spring Meeting, Miami, Florida. March 2011 (oral).

- Puhan M, **Li T**. *Graphical displays to analyze and report network meta-Analysis.* Presented at the Eastern North American Region/International Biometric Society (ENAR) 2011 Spring Meeting, Miami, Florida. March 2011 (oral).

- **Li T**, Vedula S, Chang D, Ervin A-M, Wieland S, Scherer R, Dickersin K. *Perpetuation of inappropriate meta-analysis methods? Analysis of systematic reviews cited by systematic reviews.* Presented at the 2010 Joint Colloquium of the Cochrane and Campbell Collaborations, Keystone, Colorado. October 2010 (oral).

- Vedula S, **Li T**, Dickersin K. *Inconsistent reporting of analyses in selected industry-sponsored clinical trials.* Presented at the 2010 Joint Colloquium of the Cochrane and Campbell Collaborations, Keystone, Colorado. October 2010 (oral).

- Ervin A-M, Dickersin K, Scherer R, Hawkins B, Lindsley K, Vedula S, **Li T**. *The experience of a Cochrane review group satellite: the Cochrane Eyes and Vision Group US Project.* Presented at the 2010 Joint Colloquium of the Cochrane and Campbell Collaborations, Keystone, Colorado. October 2010 (poster).

- **Li T**, Haddox J, Fonseca-Becker F. *Improving children's vision health in Alabama: a community-academic partnership to build monitoring and evaluation capacity for long-term sustainability.* Presented at the 137th American Public Health Association Annual Meeting, Philadelphia, Pennsylvania. November 2009 (poster).

- **Li T**, Dickersin K, Ssemanda E, Scherer R, Ervin A. *Evidence-based priority-setting for new systematic reviews and randomized controlled trials: a case study for primary open-angle glaucoma.* Presented at the 30th Society for Clinical Trials Annual Meeting, Atlanta, Georgia. May 2009 (poster).

- **Li T**, Scherer R, Twose C, Dickersin K. *Identification of systematic reviews in vision research*. Presented at the Association for Research Vision and Ophthalmology's 2007 Annual Meeting, Fort Lauderdale, Florida. May 2007 (poster).

Scientific Meetings – Local

- Rouse B*, Cipriani A, Shi Q*, Coleman AL, Dickersin K, **Li T**. *Network meta-analysis for clinical practice guidelines – A case study on first line medical therapies for primary open-angle glaucoma.* Presented at the Department of Epidemiology Centennial Celebration Poster Competition, JHBSPH. November 2015 (1st prize poster presentation).

- **Li T**, Dickersin K. *Citation of previous meta-analyses on the same topic: a clue to perpetuation of inappropriate methods?* Presented at the Wilmer Eye Institute Research Meeting, Johns Hopkins Medicine. April 2012 (poster).

- **Li T.** *Challenges and opportunities of network meta-analysis for comparative effectiveness research.* Presented at the Network Meta-analysis Methods Meeting & Workshop, JHBSPH. May 2010 (oral).

- **Li T.** *Why are they different? – Resolving discrepancies between systematic reviews.* Presented at the Network Meta-analysis Methods Meeting & Workshop, JHBSPH. May 2010 (oral).

Invited Seminars and Talks

International

- *Introduction to systematic reviews and meta-analyses.* Presented at the Ophthalmology MSc Program, University College London & Moorfields Eye Hospital. June 2021.

- *Risk of bias tool 2 for crossover trials.* Presented at the Cochrane Risk of Bias Tool 2 webinar series. December 2020.

- *Planning a Cochrane review to compare multiple interventions – the role of network meta-analysis.* Presented at the Cochrane Methods Symposium (Webinar). February 2020.

- *Evidently Cochrane.* Presented at Faculty of Medicine, Chulalongkorn University. Bangkok, Thailand. January 2020.

- *Access to multiple reports of clinical trials: problems or solutions?* Presented at University of Bristol, Bristol, UK. July 2019.

- *Access to multiple reports of clinical trials: problems or solutions?* Presented at Epidemiology Research Institute, University of the West Indies, Kingston, Jamaica. April 2018.

- *Data Abstraction Assistant (DAA), a new tool, saves time without compromising the accuracy of data abstraction during systematic reviews.* Presented at Cochrane France, Paris, France. March 2018.

- *How do we know what we know? Introduction to systematic reviews.* Presented at the 1st Conference of Chinese Evidence-based Medicine and Clinical Research in Ophthalmology. Wenzhou, China. October 2015.

- *Introduction to network meta-analysis: why should we care?* Presented at the 1st Conference of Chinese Evidence-based Medicine and Clinical Research in Ophthalmology. Wenzhou, China. October 2015.

- *Multiple data sources for systematic reviews.* Presented at the University of Ioannina, Ioannina, Greece. July 2014.

- *Design, reporting, and registration of crossover trials.* Presented at the University of Ioannina, Ioannina, Greece. July 2014.

- *Towards better design, conduct, analysis, and reporting of randomized controlled trials.* Presented at the Sun Yet-Sen University Cancer Center & Sun Yet-Sen University School of Medicine. Guangzhou, China. December 2011.

National

- *Evidently Cochrane: Cochrane Eyes and Vision US Project and the American Academy of Optometry Partnership.* Presented at the American Academy of Optometry 2021 Annual Meeting. Boston, MA. October 2021.

- *A failed attempt to conduct an individual patient data network meta-analysis.* Presented at the Sharing Clinical Trial Data Workshop, National Academies of Sciences, Engineering, and Medicine. Washington, DC. November 2019.

- *Introduction to systematic reviews and meta-analysis.* Presented at the Society of Interventional Radiology (webinar). June 2019.

- *Translating systematic reviews' health evidence for news stories.* Presented at the Health Journalism Annual Conference. Baltimore, MD. May 2019.

- *Generating and disseminating trust-worthy evidence in eyes and vision.* Presented at the Grand Rounds, Department of Ophthalmology, University of Colorado School of Medicine. April 2018.

- *Access to multiple reports of clinical trials: problems or solutions?* Presented at Center for Evidence Synthesis in Health, Brown University School of Public health. April 2018.

- *Untangling the evidence and enhancing guidelines through network meta-analysis.* Presented at the Department if Preventive Medicine. University of South California. Los Angeles, California. June 2016.

- *Landmark trials and systematic reviews – Is one study enough?* Presented at the Grand Rounds, Roski Eye Institute, University of South California. Los Angeles, California. June 2016.

- *Key concepts in evidence-based medicine.* Presented at the Health Action 2015 Conference. Washington, DC. January 2015.

- *Systematic reviews and meta-analysis: standard methods and open questions.* Presented at the EnRich Webinar. October 2014.

- *The US Cochrane Center: Evidence to action.* Presented at the Cochrane Heart Group US Satellite Launch Workshop. Chicago, Illinois. September 2013.

- *Systematic reviews, meta-analysis, and the Cochrane Collaboration.* Presented at the American Association of Endodontists 2012 Annual Session. Boston, Massachusetts. April 2012.

Local

- *Evaluating harms of interventions – let's start at the very beginning.* Big Data seminar Series Webinar, Center for Innovative Design & Analysis, Colorado School of Public Health. November 2020.

- *Minimally Invasive Glaucoma Devices – Patient Preference, Patient Reported Outcomes, and Effectiveness*. Presented at the 24th Annual Ophthalmology Symposium. University of Colorado Anschutz Medical Campus. September 2020.

- *Cochrane Handbook for Systematic Reviews of Interventions – Second Edition.* Presented at the Rocky Mountain Cochrane Affiliate Monthly Seminar Series. University of Colorado Anschutz Medical Campus. January 2020.

- *An Overview of Cochrane Eyes and Vision.* Presented at the Straus Health Sciences Library Meeting. University of Colorado Anschutz Medical Campus. December 2019.

- *Cochrane Eyes and Vision.* Presented at the Faculty Meeting. Department of Ophthalmology, School of Medicine, University of Colorado Anschutz Medical Campus. December 2019.

- *Cochrane Eyes and Vision.* Presented at the Residents Meeting. Department of Ophthalmology, School of Medicine, University of Colorado Anschutz Medical Campus. December 2019.

- *Cochrane Eyes and Vision.* Presented at the Faculty Meeting. Department of Ophthalmology, School of Medicine, University of Colorado Anschutz Medical Campus. December 2019.

- *Access to multiple reports of clinical trials: problems or solutions?* Presented at the Informatics Grand Rounds. Johns Hopkins Medicine. October 2018.

- *Access to multiple reports of clinical trials: problems or solutions?* Presented at the Center for Clinical Trials and Evidence Synthesis Seminar Series, JHBSPH. September 2016.

- *Network meta-analysis: why should we care.* Presented at the Graduate Summer Institute of Epidemiology & Biostatistics 2015 Seminar Series, JHBSPH. June 2015.

- *Too good to be true? Investigating inconsistency for network meta-analysis.* Presented at the Center for Clinical Trials Seminar, JHBSPH. March 2014.

- *Introduction to systematic reviews and meta-analysis.* Presented at the General Internal Medicine Fellows' Monday Conference, Johns Hopkins School of Medicine. February 2012.

- *Bridging the gap between research evidence and clinical decision-making.* Presented at the Department of Epidemiology, JHBSPH. July 2010.

- *Building and testing a model to bridge the gap between research evidence and clinical decision-making.* Presented at the Department of Epidemiology Friday Seminar Series, JHBSPH. January 2009.

Invited Panel Discussion

- *Panel discussion: data interoperability and platform usability. Sharing clinical trial data: challenges and away forward. A workshop.* The National Academies of Sciences Engineering and Medicine. Washington, DC. November 2019.

- *Advisory panel on assessment of prevention, diagnosis, and treatment options.* Patient-Centered Outcomes Research Institute. Winter 2016 meeting. Arlington, Virginia. March 2016.

- *Post-market surveillance and comparative effectiveness research.* What evidence is essential for new medical products? Implications for patients and health policy. Washington, DC. June 2014.

- *Network meta-analysis of glaucoma medical treatment trials.* World Ophthalmology Congress 2014. Tokyo, Japan. April 2014.

- *Developing evidence in a responsive approach.* Quebec City, Canada. September 2013.

- *The role of meta-analyses in drug safety: methodological considerations.* Drug Information Association 2012 Annual Meeting. Philadelphia, Pennsylvania. June 2012.

Other Invited Sessions

- *Smart Consumer Reports - Vitamin Edition.* Interviewed by the Korean Broadcasting System. The program was aired on Friday, July 12th, in South Korea. The viewer rating for the program was a great success: 10.3% national and 11.6% in Seoul.

Teaching Record

Advisees

Past, K trainee

Amanda Kiely Bicket, MD	K12 clinician-scientist trainee, Wilmer Eye Institute (2017 – 2020)

Current, postdoc fellow

Paul M McCann, MBChB, MRes, PhD	Postdoc fellow (2021-present)

Past, postdoc fellow

Long Long, DDS	Postdoc fellow (2013-2014) Research Project: "Developing evidence-based clinical practice guideline for oral leukoplakia"

Current, doctoral students

Shahjahan Ali	DrPH candidate in Epidemiology, Colorado School of Public Health (2021 – present)
Nicholas E. Mendola, MPH	PhD candidate in Pharmacy, Skaggs School of Pharmacy, University of Colorado (2019-present) Thesis title: "Comparative effectiveness of rare disease therapies using MCDA: case example in neuromyelitis optical spectrum disorder, a rare neurological disorder"

Current, medical students

Hillary Ta	MD candidate, School of Medicine, University of Colorado Anschutz Medical Campus (2021 – present)
Nicolas Quan	MD candidate, School of Medicine, University of Colorado Anschutz Medical Campus (2021 – present)
Tiffany Lien	MD candidate taking a research gap year, School of Medicine, University of Colorado Anschutz Medical Campus (2018 – present)

Past, doctoral student

Riaz Qureshi, MS	PhD candidate in Epidemiology, JHBSPH (2017 – 2021) Thesis title: "Assessing safety of interventions: observational data and randomized controlled trials"
Lin Wang, MS	PhD in Epidemiology, JHBSPH (2018 – 2021) Thesis title: "Informing advanced prostate cancer treatment through network meta-analysis that incorporates single arm trials and individual patient data from trials"
Jianyu E, MD, MPH	PhD in Epidemiology, JHBSPH (2017 – 2020) Thesis title: "Characterizing rehabilitative strategies, fall prevention, and real-world mobility among visually impaired older adults"
Jimmy Le, MA	ScD in Epidemiology, JHBSPH (2014 – 2018)

	Thesis title: "A patient-centered framework for selecting outcomes for glaucoma trials"
Benjamin Rouse	PhD candidate in Epidemiology, JHBSPH (2015 – 2018)
Past, visiting scholar	
Thanitsara Rittiphairoj, MD	Prince Mahidol Awardee, Faculty of Medicine, Chulalongkorn University, Thailand (2018-2019) Research project: "Development of evidence-based preventive medicine – probiotics for diabetes"
Past, master's students	
Adhuna Mukhopadhyay	MPH in Epidemiology, Colorado School of Public Health (2020 – 2021)
Lin Wang	MS in Epidemiology, JHBSPH (2016 – 2018) Thesis title: "Rapid network meta-analysis using different data from the U.S. Food and Drug Administration approval packages and clinicaltrials.gov – a case study on first-line medications for glaucoma"
Young Shin Kim	MPH, JHBSPH (2017-2018) Capstone project: "Cognitive interviewing in the Development of the Consumerist Attitudes in Healthcare Survey (CAHS)."
Yujiang Chen	MHS in Epidemiology, JHBSPH (2014 – 2016) Thesis title: "Systematic reviews on interventions for cataract: what is the quality of evidence?"
Sallie Weaver, PhD	MHS in Epidemiology, JHBSPH (2012 – 2016) Thesis title: "Perioperative patient safety climate: examining the effect of context on a bundled surgery improvement intervention"
Shuiqing Liu	ScM in Epidemiology, JHBSPH (2014 – 2015) Thesis title: "Segment-specific pulse wave velocity and subclinical cardiac overload and damage in older adults: The Atherosclerosis Risk in Communities (ARIC) study"
Benjamin Rouse	MHS in Epidemiology, JHBSPH (2013 – 2015) Thesis title: "Cumulative network meta-analysis and clinical practice guidelines: a case study on first-line medical therapies for primary open-angle glaucoma"
Lijuan Zeng	MHS in Epidemiology, JHBSPH (2013 – 2015) Thesis title: "Characterizing current registration of phase 3 crossover trials on ClinialTrials.gov"
Qiyuan Shi	MHS in Epidemiology, JHBSPH (2013 – 2015) Thesis title: "Network meta-analysis using data from published trials and data from the Food and Drug Administration medical reviews – a case example of first line medications for open angle glaucoma"

John Sonnier	MPH, JHBSPH (2013 – 2015) Capstone project: "Washington, Wall Street, and the unintended consequences of pharmaceutical industry strategic realignment on public health"
Ping Li, MD	MPH, JHBSPH (2012 – 2014) Capstone project: "Feasibility and efficacy of EnligHTNTM mutli-electrode renal sympathetic denervation system in African-American end-stage renal disease patients with resistant hypertension"
Delilah Huelsing, PhD	MPH, JHBSPH (2011 – 2013) Capstone project: "Are the enrollment sites for Phase III approval trials coincident with need? A case study in advanced prostate cancer."
Han Wang, MD	MPH, JHBSPH (2012 – 2013) Capstone project: "Relation of ventricular premature complexes (VPCs) to the risk of dementia (the Atherosclerosis Risk in Communities [ARIC] study)."
Sujanthy S Rajaram, MD	MPH, JHBSPH (2011 – 2012) Capstone project: "Pulmonary artery catheters for adult patients in intensive care"

Departmental Oral Examination Participation

Jimmy Le	ScD in Epidemiology, JHBSPH (2014 – 2018)
Nicole Fusco	ScD in Epidemiology, JHBSPH (2013 – 2017)
Victor Crentsil	DrPH candidate in Epidemiology, JHBSPH (2010 – 2015)
Jingwen Tan	PhD in Epidemiology, JHBSPH (2012 – 2016)

Preliminary Oral Participation

Hae-Young Kim	PhD candidate in Epidemiology, JHBSPH (2013 - 2017)
Hailun Liang	DrPH in Health Policy and Management, JHBSPH (2013 – 2016)
Shari Feirman	PhD in Health, Behavior & Society, JHBSPH (2012 –2014)
Di Zhao	PhD in Epidemiology, JHBSPH (2011 –2014)
Zhenke Wu	PhD in Biostatistics, JHBSPH (2009 - 2015)
Su Yeon Lee	PhD in Mental Health, JHBSPH (2009 - 2012)

Final Oral (Thesis Defense) Participation

Riaz Qureshi	PhD in Epidemiology, JHBSPH (2017 – 2021)
Jimmy Le	ScD in Epidemiology, JHBSPH (2014 – 2018)
Shari Feirman	PhD in Health, Behavior & Society, JHBSPH (2012 –2014)
Su Yeon Lee	PhD in Mental Health, JHBSPH (2009 - 2012)

Thesis Committee

Shari Feirman	PhD candidate in Health, Behavior & Society, JHBSPH (2012 – 2014)
Virginia Chiocchia	PhD candidate in Evidence Synthesis, Institute of Social and Preventive Medicine, University of Bern (2019 – present)

Thesis Reader

International

Virginia Chiocchia	PhD in Epidemiology, Institute of Social and Preventive Medicine, University of Bern, Switzerland (2019 – present)
Mahsa Nazari	PhD in Epidemiology, University of Bern, Switzerland (2019 – present)
Christopher Cameron	PhD in Epidemiology, University of Ottawa, Canada (2012-2015)
Anna Chaimani	PhD in Epidemiology, University of Ioannina, Greece (2011 – 2014)

National

Tsung Yu	MS in Epidemiology, JHBSPH (2009 - 2011)
Kinbo James Lee	MHS in Epidemiology, JHBSPH (2009 - 2011)
Curtis Bone	MHS in Epidemiology, JHBSPH (2010 - 2012)

Special Study Mentor

Elisabeth Oehrlein	PhD candidate in Pharmaceutical Health Services Research, University of Maryland (2013 – 2017)

Classroom Instruction

Instructor

2021	Space Medicine: Human Spaceflight Factors & Medical Risk Assessment (IDPT 8059), Department of Emergency Medicine, University of Colorado (medical student elective) Enrollment: 23 (Feb 1-26, 2021 offering); 5 (Mar 22-Apr 9, 2021 offering); 22 (Sep 20-Oct 15 offering)
2019	Methods for Conducting Systematic Reviews and Meta-Analyses (340.606), Department of Epidemiology, JHBSPH (4 credits) Enrollment (enrollment capped at 50): 47 (Year 2019)
2011-2018	Systematic Reviews and Meta-analysis (340.606), Department of Epidemiology, JHBSPH (6 credits) Enrollment (enrollment capped at 50): 44 (Year 2018); 43 (Year 2017); 46 (Year 2016); 50 (Year 2015); 44 (Year 2014); 46 (Year 2013); 56 (Year 2012); 53 (Year 2011) Highlight of course evaluation in 2014: the overall course and instructors were rated outstanding (highest rating) by 76% and 78% of students respectively.
2015-present	Coursera MOOC: Introduction to Systematic Reviews and Meta-analysis, https://www.coursera.org/course/systematicreview Enrollment: 109,108 as of January 6, 2022 Highlight of course evaluation: rated 4.8 out of 5 (2,760 ratings)
2013-present	Introduction to Systematic Reviews and Meta-analysis (340.686), Graduate Summer Institute of Epidemiology and Biostatistics, JHBSPH (2 credits) Enrollment: 28 (Year 2021), 35 (Year 2020), 43 (Year 2019); 25 (Year 2018); 21 (Year 2017); 20 (Year 2016); 60 (Year 2015); 43 (Year 2014); 15 (Year 2013) Highlight of course evaluation: outstanding evaluation in 2016, 2017, 2019, 2020, and 2021.
2010	Systematic Reviews and Meta-analysis (340.606), Johns Hopkins Fall Institute, Health Policy and Management, JHBSPH, Barcelona, Spain (2 credits) Enrollment: 20 (Year 2010)

Lab Instructor

2011-2012 Epidemiology Methods 2 (340.752), Department of Epidemiology, JHBSPH (10 labs)

2010 Principles of Epidemiology (340.601), Department of Epidemiology, JHBSPH (8 labs)

Guest Lecturer

2021 Introduction to Systematic Review and Meta-analysis, Department of Epidemiology, Colorado School of Public Health (1 lecture)

2017-2018 Data Extraction for Systematic Reviews, Department of Epidemiology and Biostatistics, Perelman School of Medicine, University of Pennsylvania (1 lecture)

2016-2017 Systematic Reviews and Meta-analysis, Introduction to Clinical Research – A 2-week Intensive Course, Johns Hopkins School of Medicine (1 lecture)

2015 Overview of Systematic Reviews and Meta-analysis, Department of Epidemiology and Biostatistics, Perelman School of Medicine, University of Pennsylvania (1 lecture)

2012-2014 Introduction to Clinical Trials, Course for FDA Fellows, Department of Epidemiology, JHBSPH (1 lecture)

2010-2012 Comparative Effectiveness Research: Outcome Measurement (340.674.11), Department of Epidemiology, JHBSPH (1 lecture)

2011 Evaluation of Tests for Diagnosis, Prediction and Screening (340.711), Department of Epidemiology, JHBSPH (3 lectures)

2007-2010 Systematic Reviews and Meta-analysis (340.606), Department of Epidemiology, JHBSPH (5 lectures)

Workshop Instruction

2021 Developing a Cochrane Systematic Review (A Virtual Workshop). October 2021.

2021 Developing a Cochrane Systematic Review (A Virtual Workshop). September 2021.

2021 Developing a Cochrane Systematic Review (A Virtual Workshop). July-August 2021.

2021 Developing a Cochrane Systematic Review (A Virtual Workshop). March 2021.

2019 Cochrane Risk of Bias Training Event. University of Bristol. July 2019.

2019 Developing a Cochrane Systematic Review (A 2-Day Workshop). Stanford University. March 2019.

2018 Developing Meaningful Collaboration Between Consumers and Cochrane Review Groups in Peer Review. The 25th Cochrane Colloquium, Edinburgh, UK. September 2018.

2018	Workshop on Conducting a Cochrane Systematic Review. Cochrane Caribbean, Kingston, Jamaica. April 2018.
2017	Research Advocacy: How to Ask the Critical Questions. National breast Cancer Coalition Leadership Summit. Arlington, Virginia. May 2017.
2016	Myths and Misconceptions of Systematic Reviews. Center for Tobacco Products, FDA, Silver Spring, Maryland. June 2016.
2014-2016	Course on Network Meta-Analysis. University of Oxford. Oxford, England. July 2014. July 2015. July 2016.
2011-2018	Comparing Multiple Interventions. Cochrane Comparing Multiple Interventions Methods Group Workshop at the Cochrane Colloquium. Edinburgh, UK, September 2018. Seoul, South Korea, October 2016. Hyderabad, India, September 2014. Quebec City, Canada, September 2013. Auckland, New Zealand, September 2012. Madrid, Spain, October 2011.
2015	What is Systematic Review and Why is it Used? Evidence Evaluation and Synthesis for Decision-Making Workshop. Center for Tobacco Products, FDA, Silver Spring, MD. November 2015.
2015	Indirect Comparisons and Network Meta-Analysis in Cochrane Reviews. Pre-Cochrane Colloquium Workshop, Vienna, Austria. October 2015.
2015	High Quality Data Abstraction for Systematic Reviews: From Form Development to Data Exportation. Cochrane Colloquium Workshop, Vienna, Austria. October 2015.
2015	Network Meta-Analysis Training Workshop. Agency for Healthcare Research and Quality. Rockville, MD. June 2015.
2015	Course on Network Meta-Analysis. Athens, Greece. May 2015.
2014	Should Cochrane Limit the Number of Outcomes in a Systematic Review? Hyderabad, India. September 2014.
2013	Workshop on Developing a Systematic Review. Kaiser Permanente Southern California. Pasadena, CA. December 2013.
2013	Comparing Multiple Interventions in Cochrane Reviews: Indirect Comparisons and Network Meta-Analysis. One statistical workshop and One editorial workshop offered by the Cochrane Comparing Multiple Interventions Methods Group. Oxford, UK. March 2013.
2011, 2013	Translating Critical Appraisal of a Systematic Review to Meaningful Peer Review. Cochrane Colloquium Workshop. Quebec City, Canada, September 2013. Madrid, Spain, October 2011.
2012	Impact, Accountability, And Sustainability of the Cochrane Prioritization Project – Eyes and Vision Group Experience. Cochrane Agenda and Priority Setting Methods Group (1 webinar)

2012 Introduction to the Systematic Review Data Repository (SRDR). Workshop on Completing a Cochrane Systematic Review (1 workshop)

2012 Formulating an Answerable Clinical Question. Workshop on Completing a Cochrane Systematic Review (2 workshops)

2011 Indirect Comparisons and Network Meta-Analysis for Comparative Effectiveness Research. Center for Medical Technology Policy, Comparative Effectiveness Research Institute (2 workshops)

2011 Critical Appraisal of a Systematic Review. Workshop on Completing a Cochrane Systematic Review (1 workshop)

2006-2011 Perform Accurate Data Abstraction. Workshop on Completing a Cochrane Systematic Review (9 workshops)

2007-2010 Use Review Manager Software for Conducting a Systematic Review. Workshop on Completing a Cochrane Systematic Review (7 workshops)

Division and/or Department

2018-2019 Co-Chair, Admissions and Credentials Committee, Department of Epidemiology, JHBSPH

2016-2018 Member, Admissions and Credentials Committee, Department of Epidemiology, JHBSPH

2015-2017 Member, Honors and Awards Committee, Department of Epidemiology, JHBSPH

2012-2014 Member, Comprehensive Exam Committee, Department of Epidemiology, JHBSPH

Grant Support

Grants and Contracts, Current

Time period: September 30, 2021 – June 30, 2022
Title: Facemask use and dry eye
Grant number: UG1 EY020522-13S1
Sponsoring Agency: National Eye Institute, National Institutes of Health
Role & Responsibilities: Principal Investigator
Effort allocation: 10%
Objective: To measure the ocular surface, ocular environment, and dry eye-related symptoms among a sample of healthcare workers across the job spectrum exposed to regular and prolonged mask use; elucidate the potential role of masks in exacerbating dry eye-related symptoms and understand coping behaviors among hospital workers; and assess the prevalence of barriers and facilitators of the use of environmental and behavioral modifications to reduce dry eye-related symptoms.

Time period: July 1, 2021 – June 30, 2025
Title: Colorado School of Public Health study of high potency THC
Sponsoring Agency: The State of Colorado (PI: Jonathan Samet)
Role & Responsibilities: Co-Investigator
Effort allocation: 10%

Objective: To identify, evaluate, and synthesize relevant scientific evidence to complete the activities called for in the bill (HB21 1317 Amendments) concerning the possible physical and mental health effects of high-potency THC marijuana and concentrates.

Time period: September 30, 2020 – September 29, 2021
Title: **Methods Symposium: Advanced Methods and Innovative Technologies for Evidence Synthesis**
Sponsoring Agency: Agency for Healthcare Research and Quality
Role & Responsibilities: Principal Investigator
Effort allocation: 8%
Objective: To host a methods symposium at the University of Colorado Anschutz Medical Campus in Aurora, Colorado in Spring 2020.

Time period: July 1, 2017 – June 30, 2022
Title: **Comparative Effectiveness Research & Cochrane Eyes and Vision**
Grant number: UG1EY020522
Sponsoring Agency: National Eye Institute, National Institutes of Health
Role & Responsibilities: Principal Investigator
Effort allocation: 40%
Objective: To prepare and promote access to systematic reviews of interventions used to prevent or treat eye conditions and/or visual impairment, and to help people adjust to visual impairment or blindness.

Grants and Contracts, Pending
Time period: July 1, 2022 – June 30, 2027
Title: **Maximizing Use of High-Quality Evidence in Eye Care: Cochrane Eyes and Vision US Project**
Sponsoring Agency: National Eye Institute, National Institutes of Health
Role & Responsibilities: Principal Investigator
Effort allocation: 40%
Objective: For the Cochrane Eyes and Vision US Project (CEV@US) to leverage a sustainable infrastructure that facilitates the production of high quality, regularly updated systematic reviews in ophthalmology and optometry, builds a workforce in vision science, disseminates review findings widely to influence policies and practice, and to help providers and patients make evidence-informed decisions.

Time period: February 1, 2022 – January 31, 2026
Title: **Development of AI/ML Ready Datasets to Address Global Blindness and Disparities and Eye Health**
Sponsoring Agency: National Institutes of Health
Role & Responsibilities: Co-Investigator
Effort allocation: 2.7%
Objective: To develop AI/ML ready datasets to address global blindness and disparities in eye health.

Grants and Contracts, Completed
Time period: October 1, 2020 – September 30, 2021
Title: KBRWyle consulting agreement flow thru NASA
Sponsoring Agency: National Aeronautics and Space Administration (PI: Jay Lemery)
Role & Responsibilities: Co-Lead
Effort allocation: 20%
Objective: To advise on the literature reviews of a wide range of acute and chronic and psychological conditions pertinent to space travel and to provide mentorship to students registered for the Space Medicine: Human Spaceflight Factors & Medical Risk Assessment course.

Time period: November 1, 2019 – July 31, 2021
Title: **Misreported information about harms in trials of gabapentin for neuropathic pain**
Grant number: Not applicable
Sponsoring Agency: RIAT Support Center, University of Maryland (Laura and John Arnold Foundation) (PI: Evan Mayo-Wilson)
Role & Responsibilities: Co-Investigator
Effort allocation: 100 hours
Objective: To reexamine and publish the harms observed in six clinical trials that were not published or not published completely.

Time period: July 1, 2020 – June 30, 2021
Title: Johns Hopkins-Tufts Trial Innovation Center
Sponsoring Agency: National Center for Advancing Translational Sciences (U24TR001609-05S1; PI: Daniel Hanley)
Role & Responsibilities: Principal Investigator on the Subcontract
Effort allocation: 20%
Objective: To advise on the planning and execution of individual participant data meta-analyses for hydroxychloroquine, convalescent plasms, and other Covid-19 interventions.

Time period: December 1, 2014 – June 30, 2019
Title: **Develop, Test and Disseminate a New Technology to Modernize Data Abstraction in Systematic Review**
Grant number: ME-1310-07009
Sponsoring Agency: Patient-Centered Outcomes Research Institute
Role & Responsibilities: Principal Investigator
Effort allocation: 33%
Objective: To develop a new software application, *Data Abstraction Assistant* (DAA), for data abstraction in systematic reviews, to evaluate DAA against two traditional data abstraction approaches, and to generate critical evidence needed for modernizing the systematic review process to improve efficiency and validity.

Time period: September 1, 2016 – August 31, 2018
Title: **Methods to Accelerate Network Meta-Analysis Production**
Grant number: 1R03HS024788-01
Sponsoring Agency: Agency for Healthcare Research and Quality
Role & Responsibilities: Principal Investigator
Effort allocation: 10%
Objective: To test rapid approaches of conducting network meta-analysis by tapping into two forms of data: trial data posted on ClinicalTrials.gov and medical reviews of trials submitted to the Food and Drug Administration (FDA) for regulatory approval.

Time period: September 15, 2016 – August 31, 2018
Title: **Johns Hopkins Center of Excellence in Regulatory Science and Innovation**
Grant number: U01FD005942
Sponsoring Agency: The Food and Drug Administration (PI: Dr. Caleb Alexander)
Role & Responsibilities: Co-Investigator
Effort allocation: 5%
Objective: To expand a productive partnership between the FDA and Johns Hopkins University in order to further support innovative training and scientific exchange that will allow for the FDA to fulfill its primary charge, to safeguard the health and well-being of the public through the application of scientifically sound regulatory

activities.

Time period: November 15, 2014 – November 14, 2017
Title: **Informing Patient-Centered Care for People with Multiple Chronic Conditions**
Grant number: ME-1310-07619
Sponsoring Agency: Patient-Centered Outcomes Research Institute (PI: Dr. Cynthia Boyd)
Role & Responsibilities: Co-Investigator
Effort allocation: 10%
Objective: To perform research on methods to improve the validity of systematic reviews of patient-centered research for people with multiple chronic conditions (MCCs) and improve the translation of the knowledge in the systematic reviews into guidelines that can be better used to inform patient-centered care for people with MCCs. Through case studies, we will generate useful, evidence-based guidance to inform patient-centered care of people with MCCs for two important clinical questions.

Time period: April 15, 2016 – April 14, 2017
Title: **Patient and Provider Views on Clinical Endpoints: A Qualitative Preference Study of Minimally Invasive Glaucoma Surgical (MIGS) Devices**
Sponsoring Agency: Food and Drug Administration
Role & Responsibilities: Principal Investigator
Effort allocation: 15%
Objective: To identify and prioritize outcomes for MIGS devices employing a mixed methods approach and to conduct a quantitative preference study.

Time period: May 1, 2010 – April 30, 2017
Title: **Comparative Effectiveness Research & Cochrane Eyes and Vision Group**
Grant number: U01EY020522
Sponsoring Agency: National Eye Institute, National Institutes of Health (PI: Dr. Kay Dickersin)
Role & Responsibilities: Co-Investigator
Effort allocation: 10%
Objective: For the Cochrane Eyes and Vision Group US Satellite to continue to serve as a coordinating center for comparative effectiveness research, specifically comparative effectiveness research related to systematic reviews, in eyes and vision in the US.

Time period: February 1, 2014 – January 31, 2017
Title: **Sensitivity Analysis Tools for Clinical Trials with Missing Data**
Grant number: ME-1303-6016
Sponsoring Agency: Patient-Centered Outcomes Research Institute (PI: Dr. Daniel Scharfstein)
Role & Responsibilities: Co-Investigator
Effort allocation: 10%
Objective: To create unified and coherent methods for global sensitivity analysis of clinical trials with monotone and non-monotone missing data, and to develop free, open source and reproducible software in SAS and R to implement the methods.

Time period: October 1, 2015 – August 31, 2016
Title: **Characterizing Current Reporting of Phase 3 Crossover Trials Registered on ClinialTrials.gov**
Grant number: 15EDSK0006
Sponsoring Agency: National Library of Medicine, National Institutes of Health
Role & Responsibilities: Principal Investigator

Total costs (direct and indirect): $24,748
Effort allocation: 7%
Objective: Develop practical guidance to improve registration and results reporting of crossover trials on ClinicalTrials.gov.

Time period: February 15, 2014 – February 14, 2016
Title: **Integrating Multiple Data Sources for Meta-analysis to Improve Patient-Centered Outcomes Research**
Grant number: ME-1303-5785
Sponsoring Agency: Patient-Centered Outcomes Research Institute (PI: Dr. Kay Dickersin)
Role & Responsibilities: Co-Investigator
Effort allocation: 10%
Objective: To explore the reliability and validity of incorporating data from multiple data sources for two specific cases and to produce open access guidance about using multiple data sources, which can be added to by others, for those producing systematic reviews of PCORI.

Time period: January 16, 2015 – January 15, 2016
Title: **Abridged Topic Development of Patient-Centered Outcomes Research Institute (PCORI) Research Topics**
Grant number: HHSA 290-2012-00007-I
Sponsoring Agency: Agency for Healthcare Research and Quality
Role & Responsibilities: Co-Principal Investigator
Effort allocation: 10%
Objective: To create abridged topic development documents that will provide sufficient information for PCORI to prioritize research.

Time period: April 1, 2015 – September 30, 2015
Title: **PCORI Methodology Standards Academic Curriculum Project**
Grant number: ME-1303-5785
Sponsoring Agency: Patient-Centered Outcomes Research Institute (PI: Dr. Jodi Segal)
Role & Responsibilities: Co-Investigator
Effort allocation: 10%
Objective: Develop an academic curriculum for the PCORI Methodology Standards

Time period: May 1, 2013 – June 30, 2015
Title: **Assessing Feasibility of Tele-Rehabilitation in Low Vision Patients**
Grant number: Faculty Innovation Fund
Sponsoring Agency: Johns Hopkins Bloomberg School of Public Health
Role & Responsibilities: Principal Investigator
Effort allocation: 10%
Objective: To demonstrate the feasibility of using tele-rehabilitation as a platform for delivering low vision rehabilitation services in a primarily elderly, visually impaired population.

Time period: January 1, 2012 – June 30, 2015
Title: **Methods for Comparing Multiple Interventions in Intervention Reviews and Overviews of Reviews**
Grant number: Cochrane Methods Innovation Fund
Sponsoring Agency: Cochrane Collaboration (PI: Dr. Georgia Salanti)
Role & Responsibilities: Co-Investigator
Effort allocation: this grant does not support salary
Objective: To address: (1) fundamental issues associated with the initiation and logistics of undertaking,

publishing, and maintaining reviews of multiple interventions; (2) statistical methods associated with such reviews; and (3) interpreting evidence from reviews including assessment of risk of bias and presenting a summary of findings table.

Time period: September 23, 2013 – September 22, 2014
Title: **Abridged Topic Development of Patient-Centered Outcomes Research Institute (PCORI) Research Topics: Assessment of Options Program Area**
Grant number: HHSA 290-2012-00007-I
Sponsoring Agency: Agency for Healthcare Research and Quality
Role & Responsibilities: Co-Principal Investigator
Effort allocation: 20%
Objective: To create abridged topic development documents that will provide sufficient information for PCORI to assess the value of generating new information compared with other potential topics, including details that could be entered into formal value of information analysis models.

Time period: July 1, 2011 – June 30, 2013
Title: **Prediction of Individual Treatment Outcomes in Patients with Chronic Disease**
Sponsoring Agency: Johns Hopkins Institute for Clinical and Translational Research (ICTR) (PI: Dr. Milo Puhan)
Role & Responsibilities: Co-Investigator
Effort allocation: 5%
Objective: To identify approaches for making risk-stratified treatment recommendations that could be used by clinical practice guideline developers.

Time period: September 30, 2009 – September 30, 2012
Title: **Comparative Effectiveness of Medical Interventions for Primary Open Angle Glaucoma**
Grant number: 1 RC1 EY020140
Sponsoring Agency: National Eye Institute, National Institutes of Health (PI: Dr. Kay Dickersin)
Role & Responsibilities: Project Director
Effort allocation: 50%
Objective: To assess the comparative effectiveness of multiple medical interventions available for primary open angle glaucoma using mixed treatment comparison meta-analysis.

Time period: July 1, 2011 – September 30, 2012
Title: **Framework for Determining Research Gaps during Systematic Review: Evaluation and Implementation**
Sponsoring Agency: Agency for Healthcare Research and Quality (AHRQ) (PI: Dr. Karen Robinson)
Role & Responsibilities: Co-Investigator
Effort allocation: 10%
Objective: To evaluate and implement a framework for determining research gaps during systematic review.

Time period: December 29, 2011 – March 15, 2012
Title: **Standards in the Prevention and Handling of Missing Data in Observational and Experimental Patient Centered Outcomes Research**
Contract number: None
Sponsoring Agency: Patient-Centered Outcomes Research Institute
Role & Responsibilities: Principal-Investigator
Effort allocation: 50%
Objective: To identify existing guidance documents on the prevention and handling of missing data for patient-centered outcomes research; to propose methodological standards for the prevention and handling of missing

data; and to identify areas where development of new guidelines are needed.

Time period: May 1, 2010 – November 1, 2011
Title: **Strategy to Reduce Incidence of Post-operative Delirium in Elderly Patients (STRIDE)**
Grant number: R01 AG033615
Sponsoring Agency: National Institute of Aging, National Institutes of Health (PI: Dr. Frederick Sieber)
Role & Responsibilities: Associate Director, Coordinating Center for STRIDE
Effort allocation: 25%
Objective: To assess the efficacy and effectiveness of limited versus heavy sedation during surgery in elderly patients undergoing hip fracture repair.

Time period: October 12, 2007 - October 11, 2009
Title: **Using Practice Guidelines to Determine Review Priorities: A Pilot Project**
Sponsoring Agency: Cochrane Collaboration (PI: Dr. Kay Dickersin)
Role & Responsibilities: Project Director
Effort allocation: 50%
Objective: To test a framework for identifying evidence gaps and prioritizing systematic reviews.

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Practice-Related Reports

Awarded three competitive contracts from PCORI: two on the development of topics briefs and one on the development of methodological standards for the patient-centered outcomes research. The topic briefs summarized existing evidence, discussed the relevance to patients and patient-centered outcomes, and commented on the potential for new information to improve care. All topic briefs are publicly accessible and have been used by PCORI to prioritize their research agenda and funding decisions.

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149. **Li T** et al**.** Under what circumstances/conditions/procedures is the use of an implantable cardioverter-defibrillator (ICD) indicated? What is the comparative effectiveness of ICD versus the alternative treatments in terms short- and long-term patient-centered outcomes? 2014. Commissioned by the Patient-Centered Outcomes Research Institute. Available at: http://www.pcori.org/assets/2014/04/PCORI-Assessment-of-Options-Topic-Briefs-12-to-16-042814.pdf; accessed on January 15, 2016.

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