

UNIVERSITY OF PENNSYLVANIA - PERELMAN SCHOOL OF MEDICINE
Curriculum Vitae

Date: 08/11/2023

Mingyao Li, Ph.D.

Address: University of Pennsylvania School of Medicine
Department of Biostatistics and Epidemiology
213 Blockley Hall, 423 Guardian Drive
Philadelphia, PA 19104 USA

If you are not a U.S. citizen or holder of a permanent visa, please indicate the type of visa you have:
none (U.S. citizen)

Education:

1996	B.S.	Nankai University, China (Mathematics)
1999	M.S.	Nankai University, China (Mathematics)
2002	M.S.	University of Michigan, Ann Arbor (Biostatistics)
2005	Ph.D.	University of Michigan, Ann Arbor (Biostatistics)

Postgraduate Training and Fellowship Appointments:

2005	Postdoctoral Research Fellow, Center for Statistical Genetics, University of Michigan, Ann Arbor
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Military Service:

[none]

Faculty Appointments:

2006-2009	Assistant Professor of Biostatistics in Biostatistics and Epidemiology at the Hospital of the University of Pennsylvania, University of Pennsylvania School of Medicine
2009-2012	Assistant Professor of Biostatistics in Biostatistics and Epidemiology, University of Pennsylvania School of Medicine
2012-2017	Associate Professor of Biostatistics in Biostatistics and Epidemiology (with tenure), University of Pennsylvania School of Medicine
2014-2017	Associate Professor (secondary), Department of Computer and Information Science, University of Pennsylvania School of Engineering and Applied Science
2015-2017	Associate Professor of Statistics (secondary), Department of Statistics, University of Pennsylvania Wharton School of Business
2017-present	Professor of Statistics (secondary), Department of Statistics, University of Pennsylvania Wharton School of Business
2017-present	Professor of Biostatistics in Biostatistics and Epidemiology, University of Pennsylvania School of Medicine
2022-present	Professor of Digital Pathology (secondary), Department of

Pathology and Laboratory Medicine, University of
Pennsylvania School of Medicine

Hospital and/or Administrative Appointments:

2016-present	Director of Biostatistics Core, Gene Therapy Program, University of Pennsylvania Perelman School of Medicine
2021-present	Director, Statistical Center for Single-Cell and Spatial Genomics, Department of Biostatistics, Epidemiology and Informatics, University of Pennsylvania Perelman School of Medicine

Other Appointments:

2006-present	Senior Scholar, Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania Perelman School of Medicine
2006-present	Member, Biomedical Graduate Studies (BGS), University of Pennsylvania Perelman School of Medicine
2006-present	Member, Graduate Group in Genomics and Computational Biology, University of Pennsylvania Perelman School of Medicine
2019-present	Chair, Graduate Program in Biostatistics, University of Pennsylvania Perelman School of Medicine
2021-present	Director, Statistical Center for Single-Cell and Spatial Genomics, University of Pennsylvania Perelman School of Medicine

Specialty Certification:

1997	Certified Software Engineer in China
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Licensure:

[none]

Awards, Honors and Membership in Honorary Societies:

1995	Outstanding Student of Nankai University, China
1995-1997	Guanghua Fellowship, Nankai University, China
2004-2005	Rackham Predoctoral Fellowship, University of Michigan
2005	C.W. Cotterman Award, American Journal of Human Genetics
2005	ENAR Distinguished Student Paper Award, Eastern North American Region of the International Biometric Society
2006-2007	McCabe Award, University of Pennsylvania School of Medicine
2014	International Statistical Institute, Elected Member
2014	Keynote Speaker, Australian Mathematical Sciences Institute BioInfoSummer Symposium
2018	American Statistical Association, Fellow
2021	American Association for the Advancement of Science,

	Fellow
2022	Research Excellence Award, American Statistical Association, Philadelphia Chapter
2022	Keynote Speaker, Penn-CHOP Kidney Innovation Center Inaugural Symposium
2023	Keynote Speaker, Statistical Methods in Imaging 2023 Conference, American Statistical Association

Memberships in Professional and Scientific Societies and Other Professional Activities:

International:

2003-present	Eastern North American Region of the International Biometric Society (Member)
2008-present	International Society for Computational Biology (Member)
2009-present	Research Grants Council of Hong Kong, China (Grant Reviewer)
2010-present	International Chinese Statistical Association (Member)
2013-2015	Eastern North American Region of the International Biometric Society Student Paper Awards Committee (Member)
2014-present	International Genetic Epidemiology Society (Member)
2014-present	International Statistical Institute (Member)
2014	Medical Research Council, United Kingdom (Grant Reviewer)
2019-2021	American Statistical Association Section on Statistical Genomics and Genetics Student Paper Awards Committee Member
2021	Israel Science Foundation, Israel (Grant Reviewer)

National:

2001-present	American Society of Human Genetics (Member)
2003-present	American Statistical Association (Member)
2009-2010	National Institutes of Health, Genomics, Computational Biology and Technology (GCAT) Study Section (Grant Reviewer)
2009	National Institutes of Health, NIDDK Diabetes, Digestive and Kidney Diseases Study Section (Grant Reviewer)
2009	National Institutes of Health, NIDDK Special Emphasis Panel on Diabetes, Obesity and Endocrine Disorders (Grant Reviewer)
2010	National Institutes of Health, NIDDK Digestive Diseases and Nutrition C Subcommittee (Grant Reviewer)
2010	National Institutes of Health, NIH Behavioral Genetics and Epidemiology (BGES) Study Section (Grant Reviewer)
2011	National Institutes of Health, Genes Genomes and Genetics Special Emphasis Panel (Grant Reviewer)
2011-2017	National Institutes of Health, Genomics, Computational Biology and Technology (GCAT) Study Section (Regular Member)
2012	National Institutes of Health, NIGMS Special Emphasis Panel (Grant Reviewer)
2013-2017	National Institutes of Health, NHGRI Center for Inherited Disease Research (CIDR) Access Committee (Regular Member)
2014-2017	Shriners Hospitals for Children (List of Experts)
2014-present	The American Association for the Advancement of Science (AAAS) (Member)

2014-2017	The OPPERA Study, National Institute of Dental and Craniofacial Research (Member of External Advisory Board)
2017	National Institutes of Health, Genes Genomes and Genetics Special Emphasis Panel (Grant Reviewer)
2018	National Institutes of Health, Genes Genomes and Genetics Special Emphasis Panel (Grant Reviewer)
2018	National Institutes of Health, Ocular Surface, Cornea, and Refractive Error special emphasis panel within the Brain Disorders and Clinical Neuroscience IRG (Grant Reviewer)
2019	National Institutes of Health, Genomics, Computational Biology and Technology (GCAT) Study Section (Grant Reviewer)
2019	Veteran Affairs Office of Research and Development, Mental Health Study Section (Grant Reviewer)
2020	National Institute of General Medical Sciences Early State Investigator R35/MIRAR35 Review Panel (Grant Reviewer)
2020	National Institutes of Health, NIGMS Early Stage Investigator MIRA R35 Review Panel (Grant Reviewer)
2020	National Institutes of Health, Special Emphasis Panel on F31/F32 Fellowship in Cell Biology, Developmental Biology, and Bioengineering (Grant Reviewer)
2021	National Institutes of Health, NHGRI Center for Inherited Disease Research (CIDR) Access Committee (Grant Reviewer)
2021	National Institutes of Health, NIH Director's Early Independence Awards (DP5) review committee (Grant Reviewer)
2022	National Institutes of Health, NIDDK RFA DC21-017 for Human Pancreas Analysis Consortium (Grant Reviewer)
2022-present	Brown University COBRE Center for Computational Biology of Human Disease (Member of External Advisory Board)
2023	National Institute of Heart, Lung, and Blood, PPG (Grant Reviewer)
2023	National Institute on Aging, P01 (Grant Reviewer)
2023	National Institute of Allergy and Infectious Diseases, P01 (Grant Reviewer)

Local:

2006-present	Penn Cardiovascular Institute (Member)
2011-present	Penn Institute for Diabetes, Obesity and Metabolism (Member)
2016-present	Penn Institute of Biomedical Informatics (Senior Fellow)

Editorial Positions:

2005-present	Reviewer, Annals of Human Genetics
2005-present	Reviewer, Human Genetics
2006-present	Reviewer, Human Heredity
2006-present	Reviewer, Bioinformatics
2006-present	Reviewer, American Journal of Human Genetics
2006	Reviewer, Molecular Vision
2006-present	Reviewer, Genome Research
2006-present	Reviewer, BMC Genetics
2006	Reviewer, Human Immunology

2006-present Reviewer, PLoS Genetics
 2007 Reviewer, Statistical Applications in Genetics & Molecular Biology
 2007 Reviewer, Behavior Genetics
 2007-present Reviewer, Genetics
 2007 Reviewer, Genes and Immunity
 2007-present Reviewer, Genetic Epidemiology
 2007 Reviewer, BMC Medical Genetics
 2008 Reviewer, Pharmacogenomics
 2008 Reviewer, Bioinformatics and Biology Insights
 2008-present Reviewer, Biometrics
 2008-present Reviewer, Diabetes
 2009-present Reviewer, Statistical Science
 2009 Reviewer, PloS One
 2009-2017 Editorial Board Member, Briefings in Bioinformatics
 2010-present Reviewer, Human Molecular Genetics
 2010-present Reviewer, Genome Biology
 2010-present Reviewer, BMC Bioinformatics
 2010-present Associate Editor, Frontiers in Statistical Genetics and Methodology
 2010 Reviewer, Journal of Genetics and Genomics
 2011 Reviewer, Pharmacoepidemiology and Drug Safty (Best Reviewer of Year 2011)
 2011 Reviewer, The 12th International Congress of Human Genetics and The 61st American Society of Human Genetics Annual Meeting.
 2011-present Reviewer, Biostatistics
 2011-present Reviewer, Journal of the American Statistical Association
 2012-present Reviewer, BMC Genomics
 2012-present Reviewer, Nucleic Acids Research
 2013-present Reviewer, Nature Biotechnology
 2013 Reviewer, EMBO Molecular Medicine
 2015-present Associate Editor, Statistics in Biosciences
 2015-present Reviewer, PNAS
 2016-present Reviewer, Nature Methods
 2017 Reviewer, The 67th American Society of Human Genetics Annual Meeting.
 2017-present Reviewer, Nature Communications
 2019-present Reviewer, Science Advances
 2019-present Reviewer, Nature Cell Biology
 2019-present Reviewer, Developmental Cell
 2020-present Reviewer, Nature Machine Intelligence
 2020-present Associate Editor, Human Genetics and Genomics Advances
 2020-present Reviewer, Cell Systems
 2020-present Associate Editor, Annals of Applied Statistics
 2020-present Reviewer, Science Translational Medicine
 2021-present Associate Editor, PLOS Computational Biology
 2021-present Reviewer, Nature Computational Science
 2021-present Reviewer, Nature Genetics

2021-present	Reviewer, Science
2021-present	Associate Editor, PLOS Genetics
2022-present	Reviewer, Nature

Academic and Institutional Committees:

2006-present	Member, Faculty Computing Committee, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
2006-present	Member, Seminar Committee, Biostatistics Division, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
2007-2010	Member, Curriculum Committee, Graduate Program in Computational Biology, University of Pennsylvania Perelman School of Medicine
2010-2015	Member, Graduate Program Executive Committee, Biostatistics Division, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
2011-2020	Member, Faculty Recruitment Committee, Biostatistics Division, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
2013-present	Member, Computing Committee, Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania Perelman School of Medicine
2014-2023	Member, Committee of Appointment and Promotion, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
2014-2016	Member, Biostatistics Graduate Program Admissions Committee, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
2015-2022	Member, Genomics and Computational Biology Graduate Program Admissions Committee, University of Pennsylvania Perelman School of Medicine
2016-2019	Chair, Biostatistics Graduate Program Admissions Committee, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
2019-present	Member, Executive Committee of Graduate Group in Epidemiology and Biostatistics, University of Pennsylvania Perelman School of Medicine
2019-present	Chair, Website Committee of the Biostatistics Division, Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania Perelman School of Medicine
2020-present	Chair, Academic Review and Advising Committee, Biostatistics Graduate Program, University of Pennsylvania Perelman School of Medicine
2023-present	Chair, Committee of Appointment and Promotion, Department of Biostatistics, Epidemiology & Informatics, University of Pennsylvania

Pennsylvania Perelman School of Medicine

Major Academic and Clinical Teaching Responsibilities:

2005	Teaching Assistant, BIOS 666: Statistical Genetics, Department of Biostatistics, University of Michigan
2006-2007	Biostatistics Advisor, Pedro Sanchez, MSCE student, University of Pennsylvania Perelman School of Medicine
2006-2011	Academic Advisor to Biostatistics PhD student, Jing He, University of Pennsylvania Perelman School of Medicine
2007	Co-Instructor and Course Co-Director, BSTA 787: Methods for Statistical Genetics in Complex Human Diseases, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
2007	Instructor, Short Course in Statistical Genetics, American Statistical Association Philadelphia Chapter
2007-2009	Biostatistics Advisor, Bryan Upham, MSCE student, University of Pennsylvania
2007-2009	Biostatistics Advisor, Diva De Leon Crutc, MSCE student, University of Pennsylvania Perelman School of Medicine
2007-2010	Biostatistics Advisor, Nehal Mehta, MSCE student, University of Pennsylvania Perelman School of Medicine
2007-2009	Biostatistics Advisor, Eric Haas, MSCE student, University of Pennsylvania Perelman School of Medicine
2008	Co-Instructor and Course Co-Director, BSTA 787: Methods for Statistical Genetics in Complex Human Diseases, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
2008	Guest Lecturer, INSC 578: Behavioral Genetics, Neuroscience Graduate Program, University of Pennsylvania Perelman School of Medicine
2008	Guest Lecturer, GCB 531: Introduction to Genome Science, Graduate Program in Genomics and Computational Biology, University of Pennsylvania Perelman School of Medicine
2008	Advisor, MS Biostatistics thesis, Jing He, University of Pennsylvania Perelman School of Medicine
2008-2011	PhD Dissertation Co-Advisor, Jing He, PhD student in Biostatistics, University of Pennsylvania Perelman School of Medicine
2009-2012	PhD Dissertation Committee Member, Jun Chen, GCB PhD student, University of Pennsylvania Perelman School of Medicine
2009-2011	PhD Dissertation Committee Member, Saran Vardhanabhuti, Biostatistics PhD student, University of Pennsylvania Perelman School of Medicine
2009-2010	Research Mentor, Xuexia Wang, Postdoctoral Researcher, University of Pennsylvania Perelman School of Medicine
2010	Instructor and Course Director, BSTA 787: Methods for Statistical Genetics in Complex Human Diseases, Department of Biostatistics

	and Epidemiology, University of Pennsylvania Perelman School of Medicine
2010	Advisor, MS Biostatistics thesis, Michael Wierzbicki, University of Pennsylvania Perelman School of Medicine
2010-2011	Research Mentor, Satish Chikkagoudar, Postdoctoral Researcher, University of Pennsylvania Perelman School of Medicine
2010-2013	Research Mentor, Yichuan Liu, Postdoctoral Researcher, University of Pennsylvania Perelman School of Medicine
2010-2012	Research Mentor, Xianyun Mao, Postdoctoral Researcher, University of Pennsylvania Perelman School of Medicine
2010-2013	PhD Dissertation Committee Member, Ellen Tsai, GCB PhD student, University of Pennsylvania Perelman School of Medicine
2010	Rotation Project Mentor, Joseph Glessner, GCB PhD Student, University of Pennsylvania Perelman School of Medicine
2011-2012	Biostatistics Advisor, Belinda Rivera, MSCE student, University of Pennsylvania Perelman School of Medicine
2011	Instructor and Course Director, BSTA 787: Methods for Statistical Genetics in Complex Human Diseases, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
2011	Rotation Project Mentor, Jonathan Toung, GCB PhD Student, University of Pennsylvania Perelman School of Medicine
2011-2013	PhD Dissertation Committee Chair, Qian (Vicky) Wu, Biostatistics PhD student, University of Pennsylvania
2012-2014	PhD Dissertation Committee Member, Joseph Glessner, GCB PhD Student, University of Pennsylvania Perelman School of Medicine
2012-2014	Academic Advisor to Biostatistics PhD Student, Jiaqi Li, University of Pennsylvania Perelman School of Medicine
2012-2014	Research Mentor, Cheng Jia, Biostatistics MS Student, University of Pennsylvania Perelman School of Medicine
2012	Instructor and Course Director, BSTA 999: Independent Study on Statistical Genetics, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
2013	Instructor and Course Director, EPID 812: Fundamentals of Biostatistics, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
2013-2016	Academic Advisor to Biostatistics PhD Student, Le Wang, University of Pennsylvania Perelman School of Medicine
2013-2016	PhD Dissertation Committee Member, Zhang (Eric) Chen, GCB PhD Student, University of Pennsylvania Perelman School of Medicine
2013-2015	Research Mentor, Yu Hu, Biostatistics PhD Student, University of Pennsylvania Perelman School of Medicine
2013-2014	Research Mentor, Yang (Amy) Yang, Biostatistics MS Student, University of Pennsylvania Perelman School of Medicine
2014-2017	PhD Dissertation Advisor, Cheng Jia, Biostatistics PhD student,

- 2014 University of Pennsylvania Perelman School of Medicine
Advisor, MS Biostatistics thesis, Yang (Amy) Yang, University of Pennsylvania Perelman School of Medicine
- 2014 Instructor and Course Director, EPID 812: Fundamentals of Biostatistics, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
- 2014 Guest Lecturer, EPID 805: Practical Applications in Clinical Research Methods, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
- 2014-2016 Research Mentor, Yan Che, Biostatistics PhD Student, University of Pennsylvania Perelman School of Medicine
- 2014 “Statistical and Computational Modeling of RNA Sequencing Data”. Department of Computer and Information Science Distinguished Lecture Series, University of Pennsylvania School of Engineering, Philadelphia, PA.
- 2014 Advisor, MS Biostatistics thesis, Cheng Jia, University of Pennsylvania Perelman School of Medicine
- 2015 Instructor and Course Director, EPID 999: Independent Study on Statistical Genetics, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
- 2015 Instructor and Course Director, BSTA 999: Independent Study on Statistical Analysis of RNA Sequencing Data, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
- 2015-2018 PhD Dissertation Advisor, Yu Hu, Biostatistics PhD student, University of Pennsylvania Perelman School of Medicine
- 2015-2016 Biostatistics Advisor, Archana Bajaj, MSCE Student, University of Pennsylvania Perelman School of Medicine
- 2015-2016 Advisor, MS Biostatistics thesis, Yan Che, University of Pennsylvania Perelman School of Medicine
- 2015-2016 Advisor, MS Statistics thesis, Jiajun Zhu, University of Pennsylvania Wharton School of Business
- 2016 Instructor and Course Director, BSTA 787: Methods for Statistical Genetics and Genomics in Complex Human Diseases, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
- 2016 Instructor and Course Director, EPID 622 Applied Regression Models for Categorical Data, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine.
- 2016-2017 PhD Dissertation Committee Member, Yuchao Jiang, GCB PhD Student, University of Pennsylvania Perelman School of Medicine
- 2016-2019 PhD Dissertation Committee Chair, Alex Amlie-Wolf, GCB PhD Student, University of Pennsylvania Perelman School of Medicine
- 2016 Guest Lecturer, EPID 805: Practical Applications in Clinical Research Methods, Department of Biostatistics and Epidemiology,

2016	University of Pennsylvania Perelman School of Medicine Instructor and Course Director, BSTA 999: Independent Study on Statistical Methods on Single-Cell RNA Sequencing Analysis, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
2016	Rotation Project Mentor, Rong Ma, Biostatistics PhD Student, University of Pennsylvania Perelman School of Medicine
2016	Rotation Project Mentor, Lu Huang, Biostatistics PhD Student, University of Pennsylvania Perelman School of Medicine
2016-2020	PhD Dissertation Committee Member, Kalyani Nambiar, CAMB PhD Student, University of Pennsylvania Perelman School of Medicine
2016-2020	Research Mentor, Steffen Cornwell, Undergraduate Research Assistant, The Jerome Fisher Management and Technology Program
2016-2017	Research Mentor, Jiixin Fan, Biostatistics MS Student, University of Pennsylvania Perelman School of Medicine
2016-2017	Research Mentor, Rui Hong, Biotechnology MS Student, University of Pennsylvania School of Engineering and Applied Sciences
2017-2018	Research Mentor, Mane Williams, Undergraduate Research Assistant, University of Pennsylvania School of Arts and Sciences
2017-2018	Research Mentor, Jian Hu, Biostatistics MS Student, University of Pennsylvania Perelman School of Medicine
2017	PhD Candidacy Exam Committee Member, Gregory Way, GCB PhD Student, University of Pennsylvania Perelman School of Medicine
2017-2020	PhD Dissertation Committee Chair, Rong Ma, Biostatistics PhD Student, University of Pennsylvania Perelman School of Medicine
2017	Rotation Project Mentor, Carolyn Lou, Biostatistics PhD Student, University of Pennsylvania Perelman School of Medicine
2017-2020	PhD Dissertation Advisor (co-advise with Rui Xiao), Jiixin Fan, Biostatistics PhD Student, University of Pennsylvania Perelman School of Medicine
2017-2020	PhD Dissertation Committee Member, Zilu Zhou, Genomics and Computational Biology PhD Student, University of Pennsylvania Perelman School of Medicine
2017-2019	Research Mentor, Daniel Randall, Undergraduate Research Assistant, University of Pennsylvania School of Arts and Sciences
2017-2019	PhD Dissertation co-Advisor with Nancy Zhang and Dylan Small, Xuran Wang, Applied Mathematics PhD student, University of Pennsylvania School of Arts and Science
2018	Instructor and Course Director, BSTA 787: Methods for Statistical Genetics and Genomics in Complex Human Diseases, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
2018	Instructor and Course Director, BIOL 499: Independent Study on Statistical Methods on Single-Cell RNA Sequencing Analysis,

	Department of Biology, University of Pennsylvania School of Arts and Sciences
2018	Rotation Project Mentor, Justin Lakkis, Biostatistics PhD Student, University of Pennsylvania Perelman School of Medicine
2018-2019	Research Mentor, William Chen, Undergraduate Research Assistant, University of Pennsylvania Wharton School of Business
2018-2021	PhD Dissertation Advisor, Justin Lakkis, Biostatistics PhD Student, University of Pennsylvania Perelman School of Medicine
2018-2020	Research Mentor, Yafei Lyu, Postdoctoral Researcher, University of Pennsylvania Perelman School of Medicine
2018	PhD Candidacy Exam Committee Member, Binglan Li, GCB PhD Student, University of Pennsylvania Perelman School of Medicine
2018-2019	Advisor, MS Biostatistics thesis, Justin Lakkis, University of Pennsylvania Perelman School of Medicine
2018-2019	Rotation Project Mentor, Jian Hu, Biostatistics PhD Student, University of Pennsylvania Perelman School of Medicine
2019-2022	PhD Dissertation Committee Member, Richard Martino, CAMB PhD Student, University of Pennsylvania Perelman School of Medicine
2019	Rotation Project Mentor, David Wang, GCB PhD Student, University of Pennsylvania Perelman School of Medicine
2019	Instructor and Course Director, BSTA 787: Methods for Statistical Genetics and Genomics in Complex Human Diseases, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
2019-2022	PhD Dissertation Advisor (co-advise with Garret FitzGerald), Benjamin Auerbach, Genomics and Computational Biology PhD student, University of Pennsylvania Perelman School of Medicine
2019-2022	PhD Dissertation Advisor, Jian Hu, Biostatistics PhD Student, University of Pennsylvania Perelman School of Medicine
2019	Rotation Project Mentor, Michelle Lee, GCB PhD Student, University of Pennsylvania Perelman School of Medicine
2019-2020	Rotation Project Mentor, Amelia Schroeder, Biostatistics PhD Student, University of Pennsylvania Perelman School of Medicine
2019	Rotation Project Mentor, Fengling Hu, MD/PhD Student in Biostatistics, University of Pennsylvania Perelman School of Medicine
2019	Rotation Project Mentor, Jessie Tong, Biostatistics PhD Student, University of Pennsylvania Perelman School of Medicine
2019-2021	Academic Advisor, Kylie Getz, Biostatistics PhD Student, University of Pennsylvania Perelman School of Medicine
2019	PhD Candidacy Exam Committee Member, Lobin Lee, GCB PhD Student, University of Pennsylvania Perelman School of Medicine
2019-2022	PhD Dissertation Committee Chair, Jianqiao Wang, Biostatistics PhD Student, University of Pennsylvania Perelman School of Medicine

2019-2023	PhD Dissertation Committee Chair, William Bone, GCB PhD Student, University of Pennsylvania Perelman School of Medicine
2019-2022	PhD Dissertation Committee Chair, Alexandra Lee, GCB PhD Student, University of Pennsylvania Perelman School of Medicine
2020-present	PhD Dissertation Advisor (co-advise with Klaus Kaestner), Michelle Lee, Genomics and Computational Biology PhD student, University of Pennsylvania Perelman School of Medicine
2020	Rotation Project Mentor, Jacob Leiby, GCB PhD Student, University of Pennsylvania Perelman School of Medicine
2020	Rotation Project Mentor, Kyle Coleman, Biostatistics PhD Student, University of Pennsylvania Perelman School of Medicine
2020	Instructor and Course co-Director, BSTA 787: Methods for Statistical Genetics and Genomics in Complex Human Diseases, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
2020-2021	PhD Dissertation Committee Member, Pankhuri Singhal, CAMB PhD Student, University of Pennsylvania Perelman School of Medicine
2020	PhD Candidacy Exam Committee Member, David Wang, GCB PhD Student, University of Pennsylvania Perelman School of Medicine
2020	PhD Candidacy Exam Committee Member, Ariel Hippen-Anderson, GCB PhD Student, University of Pennsylvania Perelman School of Medicine
2020-2021	Research Mentor, Yuanchao Zhang, Postdoctoral Researcher, University of Pennsylvania Perelman School of Medicine
2020-2021	Research Mentor, Chixiang (Sam) Chen (Co-advise with Li-San Wang), Postdoctoral Researcher, University of Pennsylvania Perelman School of Medicine
2020-present	PhD Dissertation Advisor, Kyle Coleman, PhD Student in Biostatistics, University of Pennsylvania Perelman School of Medicine
2020-present	PhD Dissertation Advisor, Amelia Schroeder, PhD Student in Biostatistics, University of Pennsylvania Perelman School of Medicine
2020	Rotation Project Mentor, Yuntian Fu, PhD Student in Genomics and Computational Biology, University of Pennsylvania Perelman School of Medicine
2020	Rotation Project Mentor, Lev Litichevskiy, MD/PhD Student in Genomics and Computational Biology, University of Pennsylvania Perelman School of Medicine
2020-2021	Advisor, MS Thesis, Jenny Shen, PhD Student in Biostatistics, University of Pennsylvania Perelman School of Medicine
2020-2021	Academic Advisor, Jeremy Rubin, PhD Student in Biostatistics, University of Pennsylvania Perelman School of Medicine
2020-present	PhD Dissertation Co-advisor (co-advise with Christoph Thaiss), Lev Litichevskiy, MD/PhD Student in Genomics and Computational

2021	Biology, University of Pennsylvania Perelman School of Medicine Rotation Project Mentor, Zhecheng Jin, PhD Student in Biology, University of Pennsylvania School of Arts and Sciences
2021-2023	PhD Dissertation Committee Chair, Rebecca Deek, PhD Student in Biostatistics, University of Pennsylvania Perelman School of Medicine
2021-present	PhD Dissertation Committee Member, Daniel Connolly, MD/PhD Student in Neuroscience, University of Pennsylvania Perelman School of Medicine
2021-present	PhD Dissertation Committee Member, Diego Espinoza, MD/PhD Student in Immunology, University of Pennsylvania Perelman School of Medicine
2021-present	PhD Dissertation Committee Chair, Jacob Crawford, PhD Student in Genomics and Computational Biology, University of Pennsylvania Perelman School of Medicine
2021-present	PhD Dissertation Committee Chair, David Wang, PhD Student in Genomics and Computational Biology, University of Pennsylvania Perelman School of Medicine
2021	Instructor and Course Co-Director, BSTA 787: Methods for Statistical Genetics and Genomics in Complex Human Diseases, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
2021	Rotation Project Mentor, Jingxuan Bao, PhD Student in Genomics and Computational Biology, University of Pennsylvania Perelman School of Medicine
2021-2022	Rotation Project Mentor, Zhuoran Ding, PhD Student in Biostatistics, University of Pennsylvania Perelman School of Medicine
2021-2022	Rotation Project Mentor, Melanie Loth, PhD Student in Biostatistics, University of Pennsylvania Perelman School of Medicine
2022	Rotation Project Mentor, DH Lee, PhD Student in Biostatistics, University of Pennsylvania Perelman School of Medicine
2022-present	PhD Dissertation Advisor, Melanie Loth, PhD Student in Biostatistics, University of Pennsylvania Perelman School of Medicine
2022	Instructor and Course Co-Director, BSTA 787: Methods for Statistical Genetics and Genomics in Complex Human Diseases, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine
2023	Rotation Project Mentor, Annie Liang, MD/PhD Student in Genomics and Computational Biology, University of Pennsylvania Perelman School of Medicine
2023	Instructor and Course Co-Director, BSTA 787: Methods for Statistical Genetics and Genomics in Complex Human Diseases, Department of Biostatistics and Epidemiology, University of Pennsylvania Perelman School of Medicine

2023 Instructor, Short Course “Statistical and Machine Learning Methods for Single-cell and Spatial Transcriptomics Data Analysis”. Joint Statistical Meetings, American Statistical Association

Lectures by Invitation (Last 5 years):

Feb, 2019 “Deep learning enables accurate clustering and batch effect removal in single-cell RNA-seq analysis”. Workshop on The Role of Genomics and Metagenomics in Human Health: Recent Developments in Statistical and Computational Methods. Banff, Canada.

Mar, 2019 “Single-Cell Transcriptomics: Challenges, Opportunities, and Beyond”. Group in Computational Genomics, Bristol-Myers Squibb. Princeton, NJ.

Mar, 2019 “Single-Cell Transcriptomics: Challenges, Opportunities, and Beyond”. Department of Biostatistics, Epidemiology and Informatics Research Day. University of Pennsylvania Perelman School of Medicine. Philadelphia, PA.

May, 2019 “Single-Nucleus RNA Sequencing Revealed Microglia Heterogeneity in Alzheimer’s Disease”. National Institute on Aging Symposium on Single-Cell Analysis in Aging and Disease. Baltimore, MD.

Jul, 2019 “Deep learning enables accurate clustering with batch effect removal in single-cell RNA-seq analysis”. ICSA Conference. Nankai University, Tianjin, China.

Sep, 2019 “Single-Cell Transcriptomics: Challenges, Opportunities, and Beyond”. Department of Biostatistics, University of Pittsburgh. Pittsburgh, PA.

Sep, 2019 “Translation of Single-Cell Genomics into Human Health: Methods and Applications”. Department of Genetics Retreat, University of Pennsylvania. Macungie, PA.

Nov, 2019 “Deep learning enables gene expression imputation, clustering, and batch effect removal in single-cell RNA-seq analysis”. iBRIGHT 2019 Conference on Integrative Biostatistics Research for Imaging, Genomics, & High-throughput Technologies in Precision Medicine. Houston, TX.

Dec, 2019 “Single-Cell Transcriptomics: Challenges, Opportunities, and Beyond”. Division of Biostatistics, Washington University School of Medicine. St Louis, MO.

Feb, 2020 “Translation of Single-Cell Genomics into Human Health: Methods and Applications”. Department of Biochemistry and Molecular Biology, Baylor College of Medicine. Houston, TX.

Feb, 2020 “Translation of Single-Cell Genomics into Human Health: Methods and Applications”. Department of Mathematics and Statistics, University of North Carolina Charlotte. Charlotte, NC. (canceled due to COVID-19)

Apr, 2020 “Translation of Single-Cell Genomics into Human Health: Methods

- and Applications”. Symposium on Single Cell Genomics. University of Chicago. Chicago, IL. (canceled due to COVID-19)
- May, 2020 “Deciphering cellular heterogeneity by integrative single-cell and bulk RNA-seq data analysis”. ICSA Annual Conference. Houston, TX. (canceled due to COVID-19)
- May, 2020 “Application of single-cell genomic technologies”. The Association for Research in Vision and Ophthalmology. Baltimore, MD. (canceled due to COVID-19)
- May, 2020 “Translation of Single-Cell Genomics into Human Health: Methods and Applications”. Department of Biostatistics, University of Michigan School of Public Health. Ann Arbor, MI. (canceled due to COVID-19)
- Jun, 2020 “Translation of Single-Cell Genomics into Human Health: Methods and Applications”. Center for Computational Biology and Bioinformatics, Indiana University. (canceled due to COVID-19)
- Aug, 2020 “Deciphering Cellular Heterogeneity by Integrative Analysis of Single-Cell and Bulk RNA-Seq Data Analysis”. Joint Statistical Meeting. (virtual)
- Aug, 2020 “Embedding in Single-Cell RNA-Seq Trajectory Analysis”. Joint Statistical Meeting. (virtual)
- Aug, 2020 “In Silico Deconvolution: from RNA-seq to Spatial Transcriptomics”. Kidney Week, American Society of Nephrology. (virtual)
- Oct, 2020 “In Silico Deconvolution: from RNA-seq to Spatial Transcriptomics”. EMBL-EBI Industry Workshop. (virtual)
- Nov, 2020 “In Silico Deconvolution: from RNA-seq to Spatial Transcriptomics”. Biogen. (virtual)
- Nov, 2020 “Applications of Deep Learning in Single-Cell and Spatial Transcriptomics”. Open Insights in Biomedical Data Science Forum, University of Pennsylvania Perelman School of Medicine. (virtual)
- Nov, 2020 “Applications of Deep Learning in Single-Cell and Spatial Transcriptomics”. Department of Statistics, Penn State University. (virtual)
- Dec, 2020 “In Silico Deconvolution: from RNA-seq to Spatial Transcriptomics”. ICSA Annual Conference. (virtual)
- Dec, 2020 “Translation of Single-Cell Genomics into Human Health: Methods and Applications”. Department of Mathematics, City University of Hong Kong. (virtual)
- Feb, 2021 “Applications of Deep Learning in Single-Cell and Spatial Transcriptomics”. Department of Systems Biology, Columbia University. (virtual)
- Feb, 2021 “Applications of Deep Learning in Single-Cell and Spatial Transcriptomics”. Bioinformatics Program, UCLA. (virtual)
- Mar, 2021 “Applications of Deep Learning in Single-Cell and Spatial Transcriptomics”. Department of Computational Medicine and Bioinformatics, University of Michigan. (virtual)

- Apr, 2021 “Spatial Transcriptomics Data Analysis by Graph Convolutional Network”. Spatial Biology Europe, Oxford Global. (virtual)
- Apr, 2021 “Applications of Deep Learning in Single-Cell and Spatial Transcriptomics”. Genome Sciences Seminar, Center for Public Health Genomics, University of Virginia. (virtual)
- May, 2021 “Applications of Deep Learning in Single-Cell and Spatial Transcriptomics”. Department of Translational Molecular Pathology, MD Anderson Cancer Center. (virtual)
- May, 2021 “Applications of Deep Learning in Single-Cell and Spatial Transcriptomics”. Data Science and Modeling Forum, MD Anderson Cancer Center. (virtual)
- Jun, 2021 “Imputing Surface Protein Abundance by Integrative Analysis of CITE-Seq and Single-Cell RNA-Seq with Deep Neural Networks”. Data Science and Modeling Forum, MD Anderson Cancer Center. (virtual)
- Aug, 2021 “Deep Learning Empowered Single-Cell and Spatial Transcriptomics Data Analysis”. Joint Statistical Meeting. (virtual)
- Aug, 2021 “Applications of Deep Learning in Single-Cell and Spatial Transcriptomics”. Department of Biostatistics, University of Michigan. (virtual)
- Sep, 2021 “Integrative Analysis of Gene Expression and Histology Data in Spatial Transcriptomics”. ICSA Symposium. (virtual)
- Sep, 2021 “Applications of Statistical and Machine Learning Methods in Spatial Transcriptomics”. Department of Computational Biology, Carnegie Mellon University. (virtual)
- Oct, 2021 “Applications of Statistical and Machine Learning Methods in Spatial Transcriptomics”. Department of Mathematics, Texas State University. (virtual)
- Jan, 2022 “Applications of Statistical and Machine Learning Methods in Spatial Transcriptomics”. Genome Science Seminar Series, Columbia University. (virtual)
- Feb, 2022 “Applications of Statistical and Machine Learning Methods in Spatial Transcriptomics”. Quantitative Science Research Program Seminar, Johns Hopkins University. (virtual)
- Feb, 2022 “Applications of Statistical and Machine Learning Methods in Spatial Transcriptomics”. Quantitative Biomedical Research Center, Department of Population and Data Sciences, University of Texas Southwestern Medical Center. (virtual)
- Mar, 2022 “Deciphering tissue microenvironment by integrative analysis of spatial transcriptomics with histology images and single cells”. Pre-medical Cancer Immunotherapy Network for Canine Trials steering committee meeting. (virtual)
- May, 2022 “Deciphering tissue microenvironment by integrative analysis of spatial transcriptomics with histology images and single cells”. Department of Biostatistics 70th Party, University of Michigan.

- Jun, 2022 “Deciphering tissue microenvironment by integrative analysis of spatial transcriptomics with histology images and single cells”. Workshop on Deep Learning for Genetics, Genomics and Metagenomics. Banff International Research Station, Canada.
- Aug, 2022 “Integrative analysis of spatial transcriptomics with histology images and single cells”. International Conference on Systems Biology. (virtual)
- Sep, 2022 “Applications of statistical and machine learning methods in spatial transcriptomics”. Department of Epidemiology and Population Health. University of Maryland School of Medicine.
- Oct, 2022 “Integrative analysis of spatial transcriptomics with histology images and single cells”. ITMAT Symposium, University of Pennsylvania School of Medicine.
- Oct, 2022 “Integrative analysis of spatial transcriptomics with histology images and single cells”. Penn-CHOP Kidney Innovation Center Inaugural Symposium (Keynote Speaker). University of Pennsylvania School of Medicine.
- Oct, 2022 “Statistical approaches to model high-dimensional datasets with spatial resolution”. The 22nd Annual NIH Center for Molecular Studies in Digestive and Liver Diseases Symposium. University of Pennsylvania School of Medicine.
- Nov, 2022 “Applications of statistical and machine learning methods in spatial transcriptomics”. Department of Biostatistics, Bioinformatics, and Biomathematics. Georgetown University School of Medicine.
- Nov, 2022 “Integrative analysis of spatial transcriptomics with histology images and single cells”. The 31st Annual Beckman Symposium. Beckman Research Institute of City of Hope, California.
- Nov, 2022 “Deciphering tissue microenvironment by integrative analysis of spatial transcriptomics with histology images and single cells”. Department of Pathology and Laboratory Medicine Grand Rounds, University of Pennsylvania Perelman School of Medicine.
- Feb, 2023 “Applications of statistical and machine learning methods in spatial transcriptomics”. KIPOI Seminar Series. Technical University of Munich. Germany (Virtual).
- Mar, 2023 “Leveraging spatial transcriptomics data to recover cell locations in single-cell RNA-seq”. AAAS Annual Meeting. Washington DC.
- Mar, 2023 “Leveraging spatial transcriptomics data to recover cell locations in single-cell RNA-seq”. ENAR Annual Meeting. Nashville, TN.
- Mar, 2023 “Integrating spatial transcriptomics with histology to infer tissue architecture with super-resolution”. DBEI Research Day. Department of Biostatistics, Epidemiology and Informatics, University of Pennsylvania Perelman School of Medicine.
- May, 2023 “Inferring super-resolution tissue architecture by integrating spatial transcriptomics with histology”. Roswell Park Comprehensive Cancer Center. Baffulo, NY.
- May, 2023 “Inferring super-resolution tissue architecture by integrating spatial

	transcriptomics with histology”. Statistical Methods in Imaging Conference (Keynote Speaker). Minneapolis, MN.
May, 2023	“Inferring super-resolution tissue architecture by integrating spatial transcriptomics with histology”. 14 th Biennial International Podocyte Meeting. Philadelphia, PA.
Jul, 2023	“Inferring super-resolution tissue architecture by integrating spatial transcriptomics with histology”. Center for Statistical Genetics, University of Michigan. Ann Arbor, MI.
Aug, 2023	“Inferring super-resolution tissue architecture by integrating spatial transcriptomics with histology”. Joint Statistical Meeting. Toronto, Canada
Sep, 2023	“Inferring super-resolution tissue architecture by integrating spatial transcriptomics with histology”. NCI Cancer Data Science Lab seminar series.
Sep, 2023	“Inferring super-resolution tissue architecture by integrating spatial transcriptomics with histology”. Institute of Biomedical Informatics Retreat. University of Pennsylvania Perelman School of Medicine.
Oct, 2023	“Inferring super-resolution tissue architecture by integrating spatial transcriptomics with histology”. MidAtlantic Bioinformatics Conference. Philadelphia, PA.

Organizing Roles in Scientific Meetings:

Mar, 2006	Session Chair, New Statistical Methods in Genetic Epidemiology, ENAR 2006 Spring Meeting. Tampa, FL.
Aug, 2007	Organizer and Chair, High-throughput Genotyping Technologies, Emerging Information and Technology Conference. Princeton, NJ.
Mar, 2008	Session Chair, CGH Arrays and Copy Number Variations, ENAR 2008 Spring Meeting. Arlington, VA.
Oct, 2010	Program Committee, The 3rd International Conference on BioMedical Engineering and Informatics. Yantai, China.
Nov, 2010	Session Chair, Influence of Polymorphisms on Disease Risks and Traits, 60th Annual Meeting of the American Society of Human Genetics. Washington D.C.
Dec, 2010	Organizer, Advances in Genome-wide Association Studies: Methods Development and Applications, 8th ICSA International Conference: Frontiers of Interdisciplinary and Methodological Statistical Research. Guangzhou, China.
Oct, 2011	Session Chair, Analysis of Rare Variants in Genetic Association Studies, The 12th International Congress of Human Genetics and the 61st American Society of Human Genetics Annual Meeting. Montreal, Canada.
Sep, 2012	Program Committee, The 11th European Conference on Computational Biology. Basel, Switzerland.
Oct, 2012	Program Committee, Workshop on Data Mining of Next Generation Sequencing, 2012 IEEE International Conference on Bioinformatics and Biomedicine. Philadelphia, PA.

- May, 2013 Session Chair, Analysis of Next-Generation Sequencing Data, 2013 Mid-Atlantic Genetic Epidemiology and Statistics (MAGES) Conference. Philadelphia, PA
- Jun, 2013 Organizer and Session Chair, Advances in Statistical Modeling of Next-Generation Sequencing Data, 2013 Joint Statistics Conference. Bethesda, MD.
- Mar, 2014 Organizer and Session Chair, Recent Developments in Statistical Genetics, Genomics and their Applications, ENAR 2014 Spring Meeting. Baltimore, MD.
- Jun, 2014 Organizer and Session Chair, Statistical Modeling of Highthroughput Genomics Data, 2014 Joint Statistics Conference. Portland, OR.
- Sep, 2014 Program Committee, The 13th European Conference on Computational Biology. Strasbourg, France.
- Mar, 2015 Organizer and Session Chair, Incorporating Biological Information in Statistical Modeling of Genome-Scale Data with Complex Structures, ENAR 2015 Spring Meeting. Miami, FL.
- Aug, 2015 Program Committee, The 2nd International Conference on Algorithms for Computational Biology. Mexico City, Mexico.
- Oct, 2015 Session Chair, Hen's Teeth? Rare Variants and Common Disease, The 65th American Society of Human Genetics Annual Meeting. Baltimore, MD.
- Nov, 2015 Organizer and Session Chair, Statistical Innovations in Computational Biology, INFORMS 2015 Annual Meeting. Philadelphia, PA.
- Mar, 2017 Organizer and Session Chair, Issues and Solutions for Single-Cell RNA-Seq Data Analysis, ENAR 2017 Spring Meeting. Washington DC.
- Mar, 2019 Organizer, Statistical Innovations in Single-Cell Genomics, ENAR 2019 Spring Meeting. Philadelphia, PA
- Mar, 2023 Co-organizer, Single cells, Single cells, Single all the way. AAAS 2023 Annual Meeting. Washington DC.

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Research Publications, peer reviewed (print or other media):

1. Chen L.S., Li M., Fu F.W.: Constructing and enumerating balanced correlation immune functions. ACTA Electronica Sinica 27: 134-7, 1999.
2. Li M., Boehnke M., Abecasis G.R.: Joint modeling of linkage and association: identifying SNPs responsible for a linkage signal. American Journal of Human Genetics 76(6): 934-49, Jun 2005.
3. Zarepari S., Buraczynski M., Branham K.E.H., Shah S., Eng D., Li M., Pawar H., Yashar B.M., Moroi S., Lichter P.R., Petty H.R., Richards J.E., Abecasis G.R., Elnor V.M., Swaroop A.: Toll-like receptor 4 variant D299G is associated with susceptibility to age-related macular degeneration. Human Molecular Genetics

14(11): 1449-55, Jun 2005.

4. Zarepari S., Branham K.E.H., Li M., Klein R.J., Ott J., Hoh J., Abecasis G.R., Swaroop A.: Strong association of Y402H variation in complement factor H at 1q32 with susceptibility for age-related macular degeneration. American Journal of Human Genetics 77(1): 149-53, Jul 2005.
5. Li M., Boehnke M., Abecasis G.R.: Efficient study designs for test of genetic association using subship data and unrelated cases and controls. American Journal of Human Genetics 78(5): 778-92, May 2006.
6. Li M., Boehnke M., Abecasis G.R., Song- P X-K.: Quantitative trait linkage analysis using Gaussian copulas. Genetics 173(4): 2317-27, Aug 2006.
7. Li M., Atmaca-Sonmez P., Othman M., Branham K.E.H., Wade M.S., Li Y., Liang L., Zarepari S., Swaroop A., Abecasis G.R.: CFH haplotypes without Y402H coding variant show strong association with susceptibility to age-related macular degeneration. Nature Genetics 38(9): 1049-54, Sep 2006.
8. Wang K., Li M., Hadley D., Liu R., Glessner J., Grant S.F.A., Hakonarson H., Bucan M.: PennCNV: an integrated hidden Markov model designed for high-resolution copy number variation detection in whole-genome SNP genotyping data. Genome Research 17(11): 1665-74, Nov 2007.
9. Wang K., Li M., Bucan M.: Pathway-based approaches for analysis of genome-wide association studies. American Journal of Human Genetics 81(6): 1278-83, Dec 2007.
10. Wei Z., Li M.: Genome-wide linkage and association analysis of rheumatoid arthritis in a Canadian population. BMC Proceedings 1(Suppl 1): S19, Dec 2007.
11. Wilcox M.A., Li Z., Tapper W., Browning S., Curtin K., Ding J., Ding Y., Gagnon F., Li M., Matthew G., Mei L., Rao S., Shaw J., Wei Z., Yu Z., Zhang W., Zheng T., Zhu G.G.: Genetic association with rheumatoid arthritis-Genetic Analysis Workshop 15: summary of contributions from Group 2. Genetic Epidemiology 31(Suppl 1): S12-21, 2007.
12. Li C., Li M.: GWA simulator: a rapid whole-genome simulation program. Bioinformatics 24(1): 140-2, Jan 2008.
13. Ewens W.J., Li M.: Comments on entropy-based transmission/disequilibrium test. Human Genetics 123(1): 97-100, Feb 2008.
14. Grant S.F.A., Li M., Bradfield J.P., Kim C.E., Annaiah K., Santa E., Glessner J.T., Casalunovo T., Frackelton E.C., Otiemo F.G., Shaner J.L., Smith R.M., Eckert A.W., Chiavacchi R.M., Berkowitz R.I., Hakonarson H. : Association analysis of

the FTO gene with obesity in children of Caucasian and African ancestry reveals a common tagging SNP. PLoS ONE 3(3): e1746, Mar 2008.

15. Li M., Li C., Guan W.: Evaluation of coverage variation of SNP chips for genome-wide association studies. European Journal of Human Genetics 16(5): 635-43, May 2008.
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18. Li C., Li M., Long J., Cai Q., Zheng W.: Evaluating cost efficiency of SNP chips in genome-wide association studies. Genetic Epidemiology 32(5): 387-95, Jul 2008.
19. Ewens W.J., Li M., Spielman R.S.: A review of family-based tests for linkage disequilibrium between a quantitative trait and a genetic marker. PLoS Genetics 4(9): e1000180, Sep 2008.
20. Christie J.D., Ma S.F., Aplenc R., Li M., Lanken P.N., Fuchs B., Albelda S.M., Flores C., Garcia J.G.N.: Variation in the myosin light chain kinase gene is associated with development of acute lung injury after major trauma. Critical Care Medicine 36(10): 2794-800, Oct 2008.
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22. Li M., Li C.: Assessing departure from Hardy-Weinberg equilibrium in the presence of disease association. Genetic Epidemiology 32(7): 589-99, Nov 2008.
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24. Grant S.F.A., Li M., Bradfield J.P., Kim C.E., Annaiah K., Santa E., Glessner J.T., Casalunovo T., Frackelton E.C., Otiemo F.G., Shaner J.L., Smith R.M., Eckert A.W., Imielinski M., Chiavacci R.M., Berkowitz R.I., Hakonarson H.: Association of HMGA2 gene variation with height in specific pediatric age categories. Genomics Insights 1: 13-6, 2008.

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26. Li C.*, Li M.*, Lange E.M., Watanabe R.M.: Prioritized subset analysis: improving power in genome-wide association studies. Human Heredity 65(3): 129-41, 2008
Notes: * Co-first authors.
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- family-based study point to novel autism susceptibility genes. PLoS Genetics 5(6): e1000536, Jun 2009.
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Patents:

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