




Name	Michael H. Cho	
Country	United States	
Organization	Brigham and Women's Hospital, Harvard Medical School	
Current Position	Associate Professor of Medicine	

Educational Background

1995	BSE	Computer Science, Engineering	Princeton University, Princeton, NJ
2000	MD	Medicine	Mount Sinai School of Medicine of New York University, New York, NY
2008	MPH	Epidemiology, Quantitative Methods	Harvard School of Public Health, Boston, MA

Postdoctoral Training

07/00-07/01	Intern	Internal Medicine	Beth Israel Deaconess Medical Center, Boston, MA
07/01-07/03	Resident	Internal Medicine	Beth Israel Deaconess Medical Center
07/03-07/04	Clinical Fellow	Harvard Combined Pulmonary and Critical Care Medicine Fellowship	Beth Israel Deaconess Medical Center, Brigham and Women's Hospital, and Massachusetts General Hospital, Boston, MA
07/04-07/05	Chief Resident	Internal Medicine	Beth Israel Deaconess Medical Center
07/05-07/06	Clinical Fellow	Harvard Combined Pulmonary and Critical Care Medicine Fellowship	Beth Israel Deaconess Medical Center, Brigham and Women's Hospital, and Massachusetts General Hospital
07/06-09/08	Research Fellow	Harvard Combined Pulmonary and Critical Care Medicine Fellowship (Channing Laboratory)	Brigham and Women's Hospital



Professional Experiences

- 2017- Co-director, Genetic Epidemiology Course Harvard Medical School Master of Medical Sciences in Clinical Investigation (MMSCI)
- 2017- Co-Chair, Publications Committee Trans-Omics in Precision Medicine, NHLBI
Co-chair, Chronic Obstructive Pulmonary Disease (COPD) working group
- 2015- Co-chair, Genetics International COPD Genetics Consortium
- 2018-2019 Chair, Section of Genetics and Genomics American Thoracic Society
- 2022- Executive Committee, Section of Genetics and Genomics American Thoracic Society
- 2016- Steering Committee NHLBI TOPMed

Professional Organizations

- 2004- American Thoracic Society
- 2007- American Society of Human Genetics Member
- 2023- American Society of Clinical Investigation Elected Member

Main Scientific Publications

1. Hobbs BD, Jong K de, Lamontagne M, Bossé Y, Shrine N, Artigas MS, Wain L V., Hall IP, Jackson VE, Wyss AB, London SJ, North KE, *et int*, Hardin M, Fingerlin TE, Schwartz DA, Postma DS, MacNee W, Tobin MD, Silverman EK, Boezen HM, **Cho MH**. Genetic loci associated with chronic obstructive pulmonary disease overlap with loci for lung function and pulmonary fibrosis. *Nat Genet.* 2017. *Nat Genet.* 2017 Mar;49(3):426-432. doi: 10.1038/ng.3752. PMC5381275
2. Sakornsakolpat P*, Prokopenko D*, Lamontagne M, Reeve NF, Guyatt AL, Jackson VE, Shrine N, Qiao D Bartz TM, Kim DK, Lee MK, *et int*, Tesfaigzi Y, Vestbo J, Vonk J, Yim JJ, Zhou X, Bossé Y, Manichaikul A, Lahousse L, Silverman EK Boezen HM, Wain LV, Tobin MD, Hobbs BD*, **Cho MH***, SpiroMeta Consortium, International COPD Genetics Consortium. Genetic landscape of chronic obstructive pulmonary disease identifies heterogeneous cell type and phenotype associations. *Nat Genet.* 2019 Feb 25. doi: 10.1038/s41588-018-0342-2. PMC6546635
3. Moll M, Sakornsakolpat P, Shrine N, Hobbs BD, DeMeo DL, John C, Guyatt AL, McGeachie MJ, Gharib SA, Obeidat M, Lahousse L, Wijnant SRA, Brusselle G, Meyers DA, Bleecker ER, Li X, Tal-Singer R, Manichaikul A, Rich SS, Won S, Kim WJ, Do AR, Washko GR, Barr RG, Psaty BM, Bartz TM, Hansel NN, Barnes K, Hokanson JE, Crapo JD, Lynch D, Bakke P, Gulsvik A, Hall IP, Wain L; International COPD Genetics Consortium; SpiroMeta Consortium, Weiss ST, Silverman EK, Dudbridge F, Tobin MD, **Cho MH**. Chronic obstructive pulmonary disease and related phenotypes: polygenic risk scores in population-based and case-control cohorts. *Lancet Respir Med.* 2020 Jul;8(7):696-708. doi: 10.1016/S2213-2600(20)30101-6. PMID: PMC7429152
4. Miller PG*, Qiao D*, Rojas-Quintero J, Honigberg MC, *et Int*, Natarajan P, Silverman EK, van Galen P, Tesfaigzi Y, **Cho MH***, Ebert BL*; COPD Gene Study Investigators, National Heart, Lung, and Blood Institute Trans-Omics for Precision Medicine Consortium. Association of clonal hematopoiesis with chronic obstructive pulmonary disease. *Blood.* 2022 Jan 20;139(3):357-368. doi: 10.1182/blood.2021013531. PMID: 34855941; PMID: PMC8777202.



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5. **Cho MH**, Castaldi PJ, Hersh CP, Hobbs BD, Barr RG, Tal-Singer R, Bakke P, Gulsvik A, San José Estépar R, Van Beek EJR, Coxson H, Lynch DA, Washko GR, Laird NM, Crapo JD, Beaty TH, Silverman EK, NETT Genetics, ECLIPSE, and COPDGene Investigators. A Genome-wide Association Study of Emphysema and Airway Quantitative Imaging Phenotypes. *American Journal of Respiratory and Critical Care Medicine* Am J Respir Crit Care Med. 2015 Sep 1;192(5):559-69. doi: 10.1164/rccm.201501-0148OC. PMC24621683
 6. Benway CJ, Liu J, Guo F, Du F, Randell SH, **Cho MH***, Silverman EK*, Zhou X*; International COPD Genetics Consortium. Chromatin Landscapes of Human Lung Cells Predict Potentially Functional COPD GWAS Variants. *Am J Respir Cell Mol Biol*. 2021 Mar 31. doi: 10.1165/rcmb.2020-0475OC. PMID: 33788674
 7. Moll M, Peljto AL, Kim JS, Xu H, Debban CL, Chen X, Menon A, Putman RK, Ghosh AJ, Saferali A, Nishino M, Hatabu H, Hobbs BD, Hecker J, McDermott G, Sparks JA, Wain LV, Allen RJ, Tobin MD, Raby BA, Chun S, Silverman EK, Zamora AC, Ortega VE, Garcia CK, Barr RG, Bleecker ER, Meyers DA, Kaner RJ, Rich SS, Manichaikul A, Rotter JJ, Dupuis J, O'Connor GT, Fingerlin TE, Hunninghake GM*, Schwartz DA*, **Cho MH***. A Polygenic Risk Score for Idiopathic Pulmonary Fibrosis and Interstitial Lung Abnormalities. *Am J Respir Crit Care Med*. 2023 Jul 31. doi: 10.1164/rccm.202212-2257OC. Epub ahead of print. PMID: 37523715.
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