


Name	Dr. Don Sin	
Country	Vancouver, Canada	
Organization	Centre for Heart Lung Innovation (HLI)	
Current Position	Director & the De Lazzari Family Chair, Centre for Heart Lung Innovation, St. Paul's Hospital, PHC Canada Research Chair in COPD UBC Professor of Medicine	

Educational Background

University of Alberta, Edmonton, AB, Canada	BSc	05/1989	Medical Sciences
University of Alberta, Edmonton, AB, Canada	MD	06/1991	Medicine
University of Alberta Hospital, Edmonton, AB, Canada	Resident	06/1994	Internal Medicine
University of Alberta Hospital, Edmonton, AB, Canada	Pulmonary Fellow		Respirology
Harvard University, Boston, Massachusetts, USA	Master's Degree	06/1997	Public Health
Institute for Clinical Evaluative Sciences & Toronto Rehabilitation Institute Sleep Laboratory, Toronto, ON, Canada	Research Fellow	06/1999	Data Sciences & Sleep Medicine

Professional Experiences

Professor of Medicine, Department of Medicine, Faculty of Medicine, University of British Columbia, Vancouver, BC, Canada	2009 – present
Director, Centre for Heart Lung Innovation, St. Paul's Hospital, Vancouver, BC, Canada	2018 – present

Professional Organizations

Professional Memberships:

Global Initiative for Chronic Obstructive Lung Disease Committee, Scientific Member	2009 – present
British Medical Journal, Special Advisor	2016 – present
Associate Editor of Canadian Journal of Respiratory, Critical Care and Sleep Medicine	2017 – present
Associate Editor of Scientific Reports	2019 – present
Associate Editor of Frontiers of Medicine	2019 – present
Deputy Chief Editor of European Respiratory Journal	2022 – present

Editorial Member of Respiratory Journals:

American Journal of Respiratory and Critical Care Medicine	2008 – present
Scientific Reports	2017 – present
European Clinical Respiratory Journal	2016 – present
Barcelona Respiratory Network Reviews, International Advisory Board	2016 – present

Main Scientific Publications for 2023 (Total # of Papers=638; H-index=89 (Clarivate))

- Sin DD.** Is long COVID an autoimmune disease? *European Respiratory Journal*. 2023 Jan 12;61(1):2202272. doi: 10.1183/13993003.02272-2022.
- Ford NL, Lee I, Hwangbo J, Tam A, **Sin DD.** In vivo measurements of lung function using respiratory-gated micro-computed tomography in a smoke-exposure model of chronic obstructive pulmonary disease. *Journal of medical imaging (Bellingham, Wash)*. 2023 Jan;10(1):016002. doi: 10.1117/1.JMI.10.1.016002.
- Chalmers JD, **Sin DD.** The European Respiratory Journal: the ERS flagship heads for the next frontier. *European Respiratory Journal*. 2023 Jan 12;61(1):2202475. doi: 10.1183/13993003.02475-2022.
- Oostrik L, Bourbeau J, Doiron D, Ross B, Zhi-Li P, Aaron SD, Chapman KR, Hernandez P, Maltais F, Marciniuk DD, O'Donnell D, Tan WC, **Sin DD,** Walker B, Janaudis-Ferreira T. Physical Activity and Symptom Burden in COPD: The Canadian Obstructive Lung Disease Study. *Chronic Obstructive Pulmonary Disease*. 2023 Jan 25;10(1):89-101. doi: 10.15326/jcopdf.2022.0349.
- Alotaibi NM, Tam S, van Eeden SF, Shaipanich T, Lam S, Leung JM, **Sin DD.** Common Respiratory Pathogens Other Than Haemophilus in Small Airways are Associated With Neutrophilic Inflammation and Poor Health Status in Stable COPD Patients. *Chronic Obstructive Pulmonary Disease*. 2023 Jan 25;10(1):122-126. doi: 10.15326/jcopdf.2022.0338.

6. Michaux KD, Metcalfe RK, Burns P, Conklin AI, Hoens AM, Smith D, Struik L, Safari A, Sin DD, Sadatsafavi M; IMPACT Study Group. Implementing Predictive Analytics towards efficient COPD Treatments (IMPACT): protocol for a stepped-wedge cluster randomized impact study. *Diagnostic and Prognostic Research*. 2023 Feb 14;7(1):3. doi: 10.1186/s41512-023-00140-6.
7. Krishnan S, Tan WC, Farias R, Aaron SD, Benedetti A, Chapman KR, Hernandez P, Maltais F, Marciniuk DD, O'Donnell DE, Sin DD, Walker B, Bourbeau J; Canadian Cohort Obstructive Lung Disease Collaborative Research Group and the Canadian Respiratory Research Network. Impaired Spirometry and COPD Increase the Risk of Cardiovascular Disease: A Canadian Cohort Study. *Chest*. 2023 Mar 4:S0012-3692(23)00315-X. doi: 10.1016/j.chest.2023.02.045. Epub ahead of print.
8. Leitao Filho FS, Monica Peters C, Sheel AW, Yang J, Nislow C, Lam S, Leung JM, Sin DD. Characterization of the Lower Airways and Oral Microbiota in Healthy Young Persons in the Community. *Biomedicines*. 2023 Mar 10;11(3):841. doi: 10.3390/biomedicines11030841.
9. Yang MJ, Guo SL, Sin DD. Reply: Association between triple therapy and major adverse cardiovascular events in COPD patients. *European Respiratory Journal*. 2023 Mar 2;61(3):2202332. doi: 10.1183/13993003.02332-2022.
10. Agustí A, Celli BR, Criner GJ, Halpin D, Anzueto A, Barnes P, Bourbeau J, Han MK, Martinez FJ, Montes de Oca M, Mortimer K, Papi A, Pavord I, Roche N, Salvi S, Sin DD, Singh D, Stockley R, López Varela MV, Wedzicha JA, Vogelmeier CF. Global Initiative for Chronic Obstructive Lung Disease 2023 Report: GOLD Executive Summary. *European Respiratory Journal*. 2023 Apr 1;61(4):2300239. doi: 10.1183/13993003.00239-2023.
11. Ho JK, Safari A, Adibi A, Sin DD, Johnson K, Sadatsafavi M; IMPACT study. Generalizability of Risk Stratification Algorithms for Exacerbations in COPD. *Chest*. 2023 Apr;163(4):790-798. doi: 10.1016/j.chest.2022.11.041.
12. Agustí A, Celli BR, Criner GJ, Halpin D, Anzueto A, Barnes P, Bourbeau J, Han MK, Martinez FJ, de Oca MM, Mortimer K, Papi A, Pavord I, Roche N, Salvi S, Sin DD, Singh D, Stockley R, Varela MVL, Wedzicha JA, Vogelmeier CF. Global Initiative for Chronic Obstructive Lung Disease 2023 Report: GOLD Executive Summary. *Respirology*. 2023 Apr;28(4):316-338. doi: 10.1111/resp.14486.
13. Agustí A, Celli BR, Criner GJ, Halpin D, Anzueto A, Barnes P, Bourbeau J, Han MK, Martinez FJ, Montes de Oca M, Mortimer K, Papi A, Pavord I, Roche N, Salvi S, Sin DD, Singh D, Stockley R, López Varela MV, Wedzicha JA, Vogelmeier CF. Global Initiative for Chronic Obstructive Lung Disease 2023 Report: GOLD Executive Summary. *Archivos de Bronconeumología*. 2023 Apr;59(4):232-248. doi: 10.1016/j.arbres.2023.02.009.
14. Lumia CM, Gupta S, Sin DD, Gershon AS. The need to streamline approval processes for clinical research in Canada. *Canadian Medical Association Journal*. 2023 Apr 11;195(14):E517. doi: 10.1503/cmaj.148341-l.
15. Agustí A, Celli BR, Criner GJ, Halpin D, Anzueto A, Barnes P, Bourbeau J, Han MK, Martinez FJ, Montes de Oca M, Mortimer K, Papi A, Pavord I, Roche N, Salvi S, Sin DD, Singh D, Stockley R, López Varela MV, Wedzicha JA, Vogelmeier CF. Global Initiative for Chronic Obstructive Lung Disease 2023 Report: GOLD Executive Summary. *American Journal of Respiratory and Critical Care Medicine*. 2023 Apr 1;207(7):819-837. doi: 10.1164/rccm.202301-0106PP.
16. Sin DD. COPD AND THE AIRWAY MICROBIOME: WHAT RESPIROLOGISTS NEED TO KNOW. *Tuberculosis and Respiratory Diseases (Seoul)*. 2023 Apr 11. doi: 10.4046/trd.2023.0015. Epub ahead of print.
17. Sin DD. The Importance of Early Chronic Obstructive Pulmonary Disease: A Lecture from 2022 Asian Pacific Society of Respiriology. *Tuberculosis and Respiratory Diseases (Seoul)*. 2023 Apr;86(2):71-81. doi: 10.4046/trd.2023.0005.
18. Katsuno N, Li PZ, Bourbeau J, Aaron S, Maltais F, Hernandez P, Chapman KR, Walker B, Marciniuk DD, O'Donnell DE, Sin DD, Hogg JC, Cheng M, Road J, Tan WC; CanCOLD Collaborative Research Group. Factors Associated with Attrition in a Longitudinal Cohort of Older Adults in the Community. *Chronic Obstructive Pulmonary Disease*. 2023 Apr 27;10(2):178-189. doi: 10.15326/jcopdf.2022.0380.
19. Jude MS, Yang CX, Filho FSL, Hernandez Cordero AI, Yang J, Shaipanich T, Li X, Lin D, Maclsaac J, Kobor MS, Sinha S, Nislow C, Singh A, Lam W, Lam S, Guillemi S, Harris M, Montaner J, Ng RT, Carlsten C, Paul Man SF, Sin DD, Leung JM. Microbial dysbiosis and the host airway epithelial response: insights into HIV-associated COPD using multi'omics profiling. *Respiratory Research*. 2023 May 4;24(1):124. doi: 10.1186/s12931-023-02431-4.
20. Ross BA, Doiron D, Benedetti A, Aaron SD, Chapman K, Hernandez P, Maltais F, Marciniuk D, O'Donnell DE, Sin DD, Walker BL, Tan W, Bourbeau J; CanCOLD Collaborative Research Group and the Canadian Respiratory Research Network. Short-term air pollution exposure and exacerbation events in mild to moderate COPD: a case-crossover study within the CanCOLD cohort. *Thorax*. 2023 May 5. doi:

- 10.1136/thorax-2022-219619. Epub ahead of print.
21. **Sin DD**, Doiron D, Agusti A, Anzueto A, Barnes PJ, Celli BR, Criner GJ, Halpin D, Han MK, Martinez FJ, Montes de Oca M, Papi A, Pavord I, Roche N, Singh D, Stockley R, Lopez Varlera MV, Wedzicha J, Vogelmeier C, Bourbeau J; GOLD Scientific Committee. Air pollution and COPD: GOLD 2023 committee report. *European Respiratory Journal*. 2023 May 11;61(5):2202469. doi: 10.1183/13993003.02469-2022.
 22. Agusti A, Böhm M, Celli B, Criner GJ, Garcia-Alvarez A, Martinez F, **Sin DD**, Vogelmeier CF. GOLD COPD DOCUMENT 2023: a brief update for practicing cardiologists. *Clinical Research in Cardiology*. 2023 May 26:1–10. doi: 10.1007/s00392-023-02217-0. Epub ahead of print.
 23. Koloko Ngassie ML, de Vries M, Borghuis T, Timens W, **Sin DD**, Nickle D, Joubert P, Horvatovich P, Marko-Varga G, Teske JJ, Vonk JM, Gosens R, Prakash YS, Burgess JK, Brandsma CA. Age-associated Differences in the Human Lung Extracellular Matrix. *American Journal of Physiology-Lung Cellular and Molecular Physiology*. 2023 Jun 1;324(6):L799-L814. doi: 10.1152/ajplung.00334.2022.
 24. Ryu MH, Yun JH, Morrow JD, Saferali A, Castaldi P, Chase R, Stav M, Xu Z, Barjaktarevic I, Han M, Labaki W, Huang YJ, Christenson S, O'Neal W, Bowler R, **Sin DD**, Freeman CM, Curtis JL, Hersh CP. Blood Gene Expression and Immune Cell Subtypes Associated with COPD Exacerbations. *American Journal of Respiratory and Critical Care Medicine*. 2023 Jun 7. doi: 10.1164/rccm.202301-0085OC. Epub ahead of print.
 25. Soriano JB, Horner A, Studnicka M, **Sin DD**, Puhan MA, Spruit MA, Lamprecht B. The GOLD 2023 proposed taxonomy: a new tool to determine COPD etiotypes. *European Respiratory Journal*. 2023 Jun 8;61(6):2300466. doi: 10.1183/13993003.00466-2023.
 26. Sikkema L, Ramirez-Suástegui C, Strobl DC, Gillett TE, Zappia L, Madisson E, Markov NS, Zaragosi LE, Ji Y, Ansari M, Arguel MJ, Apperloo L, Banchero M, Bécavin C, Berg M, Chichelnitskiy E, Chung MI, Collin A, Gay ACA, Gote-Schniering J, Hooshar Kashani B, Inecik K, Jain M, Kapellos TS, Kole TM, Leroy S, Mayr CH, Oliver AJ, von Papen M, Peter L, Taylor CJ, Walzthoeni T, Xu C, Bui LT, De Donno C, Dony L, Faiz A, Guo M, Gutierrez AJ, Heumos L, Huang N, Ibarra IL, Jackson ND, Kadur Lakshminarasimha Murthy P, Loffollahi M, Tabib T, Talavera-López C, Travaglini KJ, Wilbrey-Clark A, Worlock KB, Yoshida M; Lung Biological Network Consortium; van den Berge M, Bossé Y, Desai TJ, Eickelberg O, Kaminski N, Krasnow MA, Lafyatis R, Nikolic MZ, Powell JE, Rajagopal J, Rojas M, Rozenblatt-Rosen O, Seibold MA, Sheppard D, Shepherd DP, **Sin DD**, Timens W, Tsankov AM, Whitsett J, Xu Y, Banovich NE, Barbry P, Duong TE, Falk CS, Meyer KB, Kropski JA, Pe'er D, Schiller HB, Tata PR, Schultze JL, Teichmann SA, Misharin AV, Nawijn MC, Luecken MD, Theis FJ. An integrated cell atlas of the lung in health and disease. *Nature Medicine*. 2023 Jun 8. doi: 10.1038/s41591-023-02327-2. Epub ahead of print.

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