

CV Form

Name	莊校奇 Hsiao-Chi Chuang	照片(頭像照) 可另夾帶檔案 提供
Affiliation(s)	臺北醫學大學呼吸治療學系 School of Respiratory Therapy, Taipei Medical University	
Current Position Title	Professor	
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個人簡歷 (No more than an A4 size paper)

Education/Training:

PhD. Division of Pathophysiology and Repair, School of Biosciences, Cardiff University, UK

MSc. Occupational Medicine and Industrial Hygiene, School of Public Health, National Taiwan University, Taiwan

BSc. Occupational Safety and Health, School of Public Health, China Medical University, Taiwan

Professional and Research Experience:

2025-present **Adjunct Investigator**, National Institute of Environmental Health Science, National Health Research Institutes, Miaoli County, Taiwan

2025-present **President**, Taiwan Society for Aerosol in Medicine, Taiwan

2024-present **Vice Director**, TMU Research Center of Thoracic Medicine, Taipei Medical University, Taipei, Taiwan

2023-present **Visiting Professor**, National Heart & Lung Institute, Imperial College London, UK

2023-present **Adjunct Professor**, Master Program in Clinical Genomics and Proteomics, College of Pharmacy, Taipei Medical University, Taipei, Taiwan

2020-present **Adjunct Professor**, School of Public Health, College of Public Health, Taipei Medical University, Taipei, Taiwan

Awards and Honors:

2026 Welcome Trust Discretionary Award (Pollution and Rising Environmental Drivers of Illness under Climate Threats in Asia (PREDICT-ASIA))

2025 The 22nd National Innovation Award of Taiwan Government

2024 The 21st National Innovation Award of Taiwan Government

2023 Elected Full Member, Sigma Xi, The Scientific Research Honor Society

2022, 2023, 2024 Taipei Medical University Research Excellent Award

2021 World's Top 2% Scientists 2021, Stanford University (Elsevier)

2022 Taipei Medical University Top Research Article Award

2021 Taiwan Public Health Conference Best Poster Award

2021 Best Paper of the Year Award on Aerosol and Air Quality Research (AAQR) (SCI; First author; Acute effects of pulmonary exposure to zinc oxide nanoparticles on brain in vivo)

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Selected Publications:

1. Chen, X-Y.[#], Kao, C.[#], Peng, S-W., Chang, J-H.* , Lee, Y-L.* , Laiman, V., Chung, K.F., Bhavsar, P.K., Heriyanto, D.S., Chuang, K-J., **Chuang, H-C.*** (2023) Role of DCLK1/Hippo Pathway in Type II Alveolar Epithelial Cells Differentiation in Acute Respiratory Distress Syndrome. ***Molecular Medicine*** 29, p159.
2. Tran, H.M., Lin, Y-C., Tsai, F-J., Lee, K-Y., Chang, J-H., Chung, C-L., Chung, K.F., Chuang, K-J., **Chuang, H-C.*** (2023) Short-term mediating effects of PM_{2.5} on climate-associated COPD severity. ***Science of the Total Environment*** 903, p166523.
3. Chen, T-C.[#], Lo, Y-C.[#], Li, S-J., Lin, Y-C., Chang, C-W., Lian, Y-W., Laiman, V., Hsiao, T-C., **Chuang, H-C.***, Chen, Y-Y.* (2023) Assessing traffic-related air pollution-induced fiber-specific white matter degradation associated with motor performance declines in aged rats. ***Ecotoxicology and Environmental Safety*** 263, p115373.
4. Laiman, V., Hsiao, T-C., Fang, Y-T., Chen, Y-Y., Lo, Y-C., Lee, K-Y., Chen, T-T., Chen, K-Y., Ho, S-C., Wu, S-M., Chen, J-K., Heriyanto, D.S., Chung, K.F., Ho, K-F., Chuang, K-J., Chang, J-H.* , **Chuang, H-C.*** (2023) Hippo signaling pathway contributes to air pollution exposure-induced emphysema in ageing rats. ***Journal of Hazardous Materials***452, p131188.
5. Chen, X-Y., Chen, K-Y., Feng, P-H., Lee, K-Y., Fang, Y-T., Chen, Y-Y., Lo, Y-C., Bhavsar, P.K., Chung, K.F., **Chuang, H-C.*** (2023) YAP-Regulated Type II Alveolar Epithelial Cell Differentiation Mediated by Human Umbilical Cord-Derived Mesenchymal Stem Cells in Acute Respiratory Distress Syndrome. ***Biomedicine & Pharmacotherapy*** 159, p114302.
6. Chung, Y-L.[#], Laiman, V.[#], Tsao, P-N., Chen, C-M., Heriyanto, D.S., Chung, K.F., Chuang, K-J., **Chuang, H-C.*** (2023) Diesel exhaust particles inhibit lung branching morphogenesis via the YAP/TAZ pathway. ***Science of the Total Environment*** 861, p160682.
7. Laiman, V.[#], Lo, Y-C.[#], Chen, H-C., Yuan, T-H., Hsiao, T-C., Chen, J-K., Chang, C-W., Lin, T-C., Li, S-J., Chen, Y-Y., Heriyanto, D.S., Chung, K.F., Chuang, K-J., Ho, K-F., Chang, J-H.* , **Chuang, H-C.*** (2022) Effects of antibiotics and metals on lung and intestinal microbiome dysbiosis after sub-chronic lower-level exposure of air pollution in ageing rats. ***Ecotoxicology and Environmental Safety*** 246, p114164.