

CV Template of KATRD International Conference 2020

Name	Kang-Yun Lee	
Country	Taiwan	
Organization	Taipei Medical University	
Current Position	Vice Superintendent, Shuang Ho Hospital Professor and Dean of Office of Human Research, Taipei Medical University Head of Asthma Assembly, Asian Pacific Society of Respiratory (APSR) Director and Chairperson of International Academic Committee, Taiwan Society of Pulmonary and Critical Medicine (TSPCCM)	

Educational Background

1. September 1987- June 1994

MD, Medical Department, School of Medicine, Taipei Medical University, Taipei, Taiwan

2. March 2003-June 2006

PhD, National Heart and Lung Institute, Imperial College of Science, Technology and Medicine, University of London, London, UK

Professional Experiences

1. Head of Asia-Pacific Society of Respiration (APSR) Asthma Assembly (Science 2020)

2. Director of Taiwan Society of Pulmonary and Critical Medicine (Science 2017)

3. Chairperson, International Academic Committee Taiwan Society of Pulmonary and Critical Medicine (Science 2017)

Professional Organizations

1. Member of the Society of Internal Medicine, R.O.C, Since February 2000

2. Member of Formosan Medical Association

3. Member of the Taiwan Society of Pulmonary and Critical Care Medicine

4. Member of the Taiwan Lung Cancer Society

5. Member of Taiwan Chest Disease Association

6. Member and Fellow of Asia-Pacific Society of Respiratory

7. Member of European Respiratory Society

Main Scientific Publications

1. **Kang-Yun Lee**, Chao-Kai Yang, Yu-Lun Lo, Hsih-Shin Hsiao, Chun-Hua Wang, Han-Pin Kuo*. Improvement of Outcomes and Tailoring off Corticosteroids in Patients of Chronic Obstructive Airway Disease Guided with Spirometry Measurements. *Thoracic Medicine* 2001; 16, 14-21.
2. Yu-Lun Lo, **Kang-Yun Lee**, Hsih-shin Hsiao, Chao- kai Yang, Yu-chih Liu, Han-Pin Kuo*. Physical Findings and Cephalometric Variables as Risk Factors for Obstructive Sleep Apnea syndroe-A Preliminary Report. *Thorac Med* 2001;16:102-111.
3. Yang CK, Lin HC, **Lee KY**, Lin SM, Yu CT, Kuo HP*. The effects of ciprofloxacin on chest radiographic regression in patients with drug intolerance or resistant tuberculosis. *Chang Gung Med J.* 2004;27(4):292-9.
4. **Lee, K. Y.**, Ito, K., Hayashi, R., Jazrawi, E. P., Barnes, P. J., and Adcock, I. M.* NF- B and Activator Protein 1 Response Elements and the Role of Histone Modifications in IL-1 -Induced TGF- 1 Gene Transcription. *J Immunol* 2006; 176, 603-615. (SCI)
5. Issa, R., S. Xie, **K. Y. Lee**, R. D. Stanbridge, P. Bhavsar, M. B. Sukkar, and K. F. Chung*. GRO-alpha regulation in airway smooth muscle by IL-1beta and TNF-alpha: role of NF-kappaB and MAP kinases. *Am J Physiol Lung Cell Mol Physiol* 2006; 291: L66 -74. (SCI)
6. **Lee, K. Y.**, S. C. Ho, H. C. Lin, S. M. Lin, C. Y. Liu, C. D. Huang, C. H. Wang, K. F. Chung, and H. P. Kuo*. Neutrophil-derived Elastase Induces TGF- 1 Secretion in Human Airway Smooth Muscle via NF- B Pathway. *Am J Respir Cell Mol Biol* 2006; 35(4):407-14. (SCI)
7. Adcock, I. M.*, and **K. Y. Lee**. Abnormal histone acetylase and deacetylase expression and function in lung inflammation. *Inflamm Res* 2006; 55:311-321. (SCI ; IF)
8. Morello, S., K. Ito, S. Yamamura, **K. Y. Lee**, E. Jazrawi, P. Desouza, P. Barnes, C. Cicala, and I. M. Adcock * . IL-1 and TNF- Regulation of the Adenosine 2 Receptor (A2A) Expression: Differential Requirement for NF- B Binding to the Proximal Promoter. *J Immunol* 2006 Nov; 177:7173-7183. (SCI)
9. Liu CY, Lin HC, Yu CT, Lin SM, **Lee KY**, Chen HC, Chou CL, Huang CD, Chou PC, Liu WT, Wang CH, Kuo HP*. 2007 Jan. The concentration-dependent chemokine release and pro-apoptotic effects of neutrophil-derived alpha-defensin-1 on human bronchial and alveolar epithelial cells. *Life sciences* 2007 Jan 30; 80(8):749-58. (SCI)
10. Maneechotesuwan, K., Y. Xin, K. Ito, E. Jazrawi, **K. Y. Lee**, O. S. Usmani, P. J. Barnes, and I. M. Adcock*. Regulation of Th2 Cytokine Genes by p38 MAPK-Mediated Phosphorylation of GATA-3. *J Immunol.* 2007 Feb 15; 178(4): 2491-8. (SCI)
11. Chun-Liang Chou, Ling-Ling Chiang, Chih-Teng Yu, Hao-Cheng Chen, **Kang-Yun Lee**, Han-Pin Kuo, Chien-Yin Liu*. Apoptosis-dependent and independent mechanisms mediate the phagocytic recognition/clearance of the HL-60-A1 transfectants of prolonged survival. *Inflamm Res* 2007 May; 56: 195-203. (SCI)
12. Issa R, Xie S, Khorasani N, Sukkar M, Adcock IM, **Lee KY**, Chung KF*. Corticosteroid inhibition of growth-related oncogene protein-alpha via mitogen-activated kinase phosphatase-1 in airway smooth muscle cells. *J Immunol* 2007 Jun; 178: 7366-7375. (SCI)
13. Lin SM, Lin HC, **Lee KY**, Huang CD, Liu CY, Wang CH, Kuo HP*. Ventilator-induced injury augments interleukin-1beta production and neutrophil sequestration in lipopolysaccharide-treated lungs. *Shock* 2007 Oct; 28(4): 453-60. (SCI)
14. Chih-Cheng Chang, Chih-Liang Wang, **Kan-Yuan Li**, Chuen Hsueh, Horng-Chyuan Lin*. Diffuse Endobronchial Kaposi's Sarcoma in a Patient with Human Immunodeficiency Virus Infection—A Case Report and Literature Review *Thoracic Medicine* 2007; 22: 334-350
15. Lin SM, Wang YM, Lin HC, **Lee KY**, Huang CD, Liu CY, Wang CH, Kuo HP*. Serum thrombomodulin level relates to the clinical course of disseminated intravascular coagulation, multiorgan dysfunction syndrome, and mortality in patients with sepsis. *Crit Care Med.* 2008 Mar; 36(3): 683-9. (SCI)
16. Lin SM, Lin TY, Chou CL, Chen HC, Liu CY, Wang CH, Lin HC, Yu CT, **Lee KY**, Kuo HP*. Metallic Stent and Flexible Bronchoscopy without Fluoroscopy for Acute Respiratory Failure. *Eur Respir J.* 2008 May; 31(5): 1019-23. (SCI)

17. Bhavsar PK, Sukkar MB, Khorasani N, **Lee KY**, Chung KF*. Glucocorticoid suppression of CX3CL1 (fractalkine) by reduced gene promoter recruitment of NF- κ B. *FASEB J*. 2008 Jun; 22(6): 1807-16. (SCI)
18. Wang CH, Huang CD, Lin HC, **Lee KY**, Lin SM, Liu CY, Huang KH, Ko YS, Chung KF, Kuo HP*. Increased circulating fibrocytes in asthma with chronic airflow obstruction. *Am J Respir Crit Care Med*. 2008 Sep 15; 178(6): 583-91. (SCI)
19. Liu WT, Wang CH, Lin HC, Lin SM, **Lee KY**, Lo YL, Hung SH, Chang YM, Chung KF, Kuo HP*. Efficacy of a cell phone-based exercise programme for COPD. *Eur Respir J*. 2008 Sep; 32(3): 651-9. (SCI)
20. Shan-Chien Huang, Hung-Chou Kuo, How-Wen Ko, **Kang-Yun Lee**, Chien-Da Huang, Han-Pin Kuo*. Critical Illness Myopathy in a Patient with Near-Fatal Asthma – A Case Report. *Thoracic Medicine* 2008; 23: 169-175
21. Te-Fang Sheng, Ying-Chin Tseng, Shun-Chuan Ho, Wen-Ching Jao, **Kang-Yuan Li**, Ling-Ling Chiang. Follow-up Study of five-year Home Noninvasive Positive Pressure Ventilation for a Patient with Chronic Obstructive Pulmonary Disease. *Journal of Respiratory Therapy* 2009 Jan; 8(1): 1-13
22. Lin SM, Wang TY, Liu WT, Chang CC, Lin HC, Liu CY, Wang CH, Huang CD, **Lee KY**, Kuo HP*. Predictive factors for mortality among non-HIV-infected patients with pulmonary tuberculosis and respiratory failure. *Int J Tuberc Lung Dis*. 2009 Mar; 13(3): 335-40. (SCI)
23. Xie S, Macedo P, Hew M, Nassenstein C, **Lee KY**, Chung KF*. Expression of transforming growth factor-beta (TGF-beta) in chronic idiopathic cough. *Respir Res*. 2009 May 22; 10: 40. (SCI)
24. Shu-Chuan Ho, **Kang-Yun Lee**, Yao-Fei Chan, Lu-Wei Kuo, Kazuhiro Ito, Ian Adcock, Bing-Chang Chen, Joen-Rong Sheu, Chien-Huang Lin*, Han-Pin Kuo*. Neutrophil Elastase Represses IL-8/CXCL8 Synthesis in Human Airway Smooth Muscle Cells through Induction of NF- κ B repressing factor. *J Immunol*. 2009 Jul 1; 183(1): 411-20. (SCI)
25. Lin SM, Chung FT, Huang CD, Liu WT, Kuo CH, Wang CH, **Lee KY**, Liu CY, Lin HC, Kuo HP*. Diagnostic value of endobronchial ultrasonography for pulmonary tuberculosis. *J Thorac Cardiovasc Surg*. 2009 Jul; 138(1): 179-84. (SCI)
26. Chih-Hsi Kuo, Shu-Min Lin, **Kang-Yun Lee**, Fu-Tsai Chung, Meng-Heng Hsieh, Yueh-Fu Fang, Chih-Ten Yu, Han-Pin Kuo*. Subsequent chemotherapy improves survival outcome in advanced NSCLC with acquired tyrosine kinase inhibitor resistance. *Clin Lung Cancer*. 2010 Jan; 11(1): 51-6. (SCI)
27. Liu CY*, Wang YM, Wang CL, Feng PH, Ko HW, Liu YH, Wu YC, Chu Y, Chung FT, Kuo CH, **Lee KY**, Lin SM, Lin HC, Wang CH, Yu CT*, Kuo HP. Population alterations of L: -arginase- and inducible nitric oxide synthase-expressed CD11b(+)/CD14 (-)/CD15 (+)/CD33 (+) myeloid-derived suppressor cells and CD8 (+) T lymphocytes in patients with advanced-stage non-small cell lung cancer. *J Cancer Res Clin Oncol*. 2010 Jan; 136(1): 35-45. (SCI)
28. Cell Phone-Based Interactive Self-Care System Improves Asthma Control. Liu WT, Huang CD, Wang CH, **Lee KY**, Lin SM, Kuo HP*. *Eur Respir J*. 2011 Feb; 37(2): 310-7. (SCI)
29. Chung-Hsing Hsieh, Han-Pin Kuo, Chun-Hua Wang, **Kang-Yun Lee***. Influence of lung cancer on asthma control for asthmatic patients. *Chang Gung Med J*. 2011 Jan-Feb; 34(1): 35-43 (Corresponding author).
30. Fu-Tsai Chung, **Kang-Yun Lee**, Yueh-Fu Fang, Meng-Heng Shieh, Shu-Min Lin, Chih-Teng Yu, Yun-Lun Lo, Ting-Yu Lin, Chih-Hsi Kuo, Po-Hao Feng, Yung-Lun Ni, Han-Pin Kuo*. Low-Dose Weekly Docetaxel is as Tolerable as Pemetrexed in Previously Treated Advanced Non-Small-Cell Lung Cancer. *Chemotherapy*. 2011; 57(2): 147-55. (co-first author) (SCI)
31. Fu-Tsai Chung, Horng-Chyuan Lin, Chih-Hsi Kuo, Chih-Teng Yu, Chun-Liang Chou, **Kang-Yun Lee**, Han-Pin Kuo, Shu-Min Lin*. Extravascular Lung Water Correlates Multiorgan Dysfunction Syndrome and Mortality in Sepsis. *PLoS One*. 2010 Dec 16; 5(12): e15265. (SCI)
32. Kuo CH, Chen HC, Chung FT, Lo YL, **Lee KY**, Wang CW, Kuo WH, Yen TC, Kuo HP*. Diagnostic value of EBUS-TBNA for lung cancer with non-enlarged lymph nodes: a study in a tuberculosis-endemic country. *PLoS One*. 2011 Feb 25; 6(2): e16877. (SCI)
33. Lin HC, Lin SM, Kuo CH, Chung FT*, Yu CT, Liu CY, **Lee KY**, Lo YL, Lin TY, Wang TY, Hsiung TC, Kuo HP. Incidence and Outcome of Healthcare-Associated *Acinetobacter baumannii* in Chronically Ventilated Patients in a Tertiary Care Hospital in Taiwan. *Am J Med Sci*. 2011 May; 341(5): 361-6. (SCI)
34. Lee YS, Lin HC, Huang CD, **Lee KY**, Liu CY, Yu CT, Wang CH*, Kuo HP. Efficacy and Tolerability of Salmeterol/Fluticasone Propionate versus Fluticasone Propionate in Asthma Patients: A Randomized, Double-blind Study. *Chang Gung Med J*. 2011 Jul-Aug; 34(4): 382-94
35. Kuo CH, Lin SM, Chung FT, **Lee KY**, Ni YL, Lo YL, Chen HC, Kuo HP. Echoic features as predictors of diagnostic yield of endobronchial ultrasound-guided transbronchial lung biopsy in peripheral pulmonary lesions. *Ultrasound Med Biol*. 2011 Nov; 37(11):1755-61. (SCI)

36. Kuo CH, Lo CY, Chung FT, **Lee KY**, Lin SM, Wang CH, Heh CC, Chen HC, Kuo HP. Concomitant active tuberculosis prolongs survival in non-small cell lung cancer: a study in a tuberculosis-endemic country. *PLoS One*. 2012 Mar;7(3): e33226. (SCI)
37. Wang CH, Huang CD, Lin HC, Huang TT, **Lee KY**, Lo YL, Lin SM, Chung KF, Kuo HP. Increased activation of fibrocytes in patients with chronic obstructive asthma through an epidermal growth factor receptor-dependent pathway. *J Allergy Clin Immunol*. 2012 May; 129(5): 1367-76. (SCI)
38. 李岡遠. Indacaterol : 慢性阻塞性肺病最佳治療選擇. 當代醫學 2012 /07, 465 期 P490 - 493
39. Chung FT, **Lee KY**, Wang CW, Heh CC, Chan YF, Chen HW, Kuo CH, Feng PH, Lin TY, Wang CH, Chou CL, Chen HC, Lin SM, Kuo HP. Tumor-associated macrophages correlate with response to epidermal growth factor receptor-tyrosine kinase inhibitors in advanced non-small cell lung cancer. *Int J Cancer*. 2012 Aug 1;131(3):E227-35. (SCI; co-first author)
40. Chieh-Mo Lin, Shu-Min Lin, Fu-Tsai Chung, Horng-Chyuan Lin, **Kang-Yun Lee**, Chien-Da Huang, Chih-Hsi Kuo, Chien-Ying Liu, Chun-Hua Wang, Han-Pin Kuo. Amplified Mycobacterium Tuberculosis Direct Test for Diagnosing Tuberculous Pleurisy-A Diagnostic Accuracy Study. *PLoS One*. 2012 Sep;7(9):e44842 (SCI)
41. **Kang-Yun Lee**, Shu-Chuan Ho, Yao-Fei Chan, Chun-Hua Wang, Chien-Da Huang, Wen-Te Liu, Shu-Min Lin, Yu-Lun Lo, Ya-Ling Chang, Lu-Wei Kuo, Han-Pin Kuo. Reduced NF-κB Repressing Factor: a Link toward Systemic Inflammation in COPD. *Eur Respir J*. 2012 Oct; 40(4): 863-73. (SCI)
42. Po-Hao Feng, **Kang-Yun Lee**, Ya-Ling Chang, Ting-Yu Lin, Fu-Tsai Chung, Chih-Shi Kuo, Chih-Teng Yu, Shu-Min Lin, Chun-Hua Wang, Chun-Liang Chou, Chien-Da Huang, Han-Pin Kuo. CD14+S100A9+ Monocytic Myeloid-Derived Suppressor Cells and Their Clinical Relevance in Non-Small Cell Lung Cancer. *Am J Respir Crit Care Med*. 2012 Nov 15;186(10):1025-36. (SCI; co-first author)
43. Chou PC, Wang CH, Huang CD, Lo YL, **Lee KY**, Yu CT, Lin SM, Lin HC, Kuo HP. Nucleic acid amplification test and bronchoscopy improve the diagnostic accuracy of smear-negative tuberculosis. *Int J Tuberc Lung Dis*. 2012 Dec;16(12):1674-9 (SCI)
44. Ho SC, Lin HC, Kuo HP, Chen LF, Sheng TF, Jao WC, Wang CH, **Lee KY***. Exercise training with negative pressure ventilation improves exercise capacity in patients with severe restrictive lung disease: a prospective controlled study. *Respir Res*. 2013 Feb 19;14(1):22. (SCI; corresponding author)
45. Wang TY, Lo YL, **Lee KY**, Liu WT, Lin SM, Lin TY, Ni YL, Wang CY, Ho SC, Kuo HP. Nocturnal CPAP improves walking capacity in COPD patients with obstructive sleep apnoea. *Respir Res*. 2013 Jun 19;14(1):66. (SCI)
46. Chih-Hsi Kuo MD, Shu-Min Lin M, **Kang-Yun Lee** MD, PhD, Fu-Tsai Chung MD, Po-Hao Feng MD, Te-Chih Hsiung MD, Yu-Lun Lo MD, Chien-Ying Liu MD and Han-Pin Kuo MD, PhD Algorithmic approach by endobronchial ultrasound-guided needle aspiration for isolated intra-thoracic lymphadenopathy: A study in a TB-endemic country. *J Formos Med Assoc*. 2013 Jul 12. (SCI)
47. Su CL, Chen TT, Chang CC, Chuang KJ, Wu CK, Liu WT, Ho KF, **Lee KY**, Ho SC, Tseng HE, Chuang HC, Cheng TJ; Taiwan CardioPulmonary Research Group (T-CPR). Comparative proteomics of inhaled silver nanoparticles in healthy and allergen provoked mice. *Int J Nanomedicine*. 2013 Aug; 8:2783-99.
48. Huang KH, Wang CH, **Lee KY**, Lin SM, Lin CH, Kuo HP. NF-κB Repressing Factor Inhibits Chemokine Synthesis by Peripheral Blood Mononuclear Cells and Alveolar Macrophages in Active Pulmonary Tuberculosis. *PLoS One*. 2013 Nov 4;8(11):e77789. (SCI)
49. Wang CH, Chung FT, Lin SM, Huang SY, Chou CL, **Lee KY**, Lin TY, Kuo HP. Adjuvant Treatment With a Mammalian Target of Rapamycin Inhibitor, Sirolimus, and Steroids Improves Outcomes in Patients With Severe H1N1 Pneumonia and Acute Respiratory Failure. *Crit Care Med*. 2014 Feb;42(2):313-21. (SCI)
50. **Kang-Yun Lee**, Wen-Te Liu, Han-Pin Kuo, Chun-Hua Wang, Hsiao-Chi Chuang, Tzu-Tao Chen, Shu-Chuan Ho, Min-Fang Hsu, Kai-Jen Chuang. Air Pollution Exposure and Osteoporosis among Retired Workers with Chronic Obstructive Pulmonary Disease. *Occup Med Health Aff*. 2014 Jun 2:167. (SCI)
51. **Lee KY**, Wong CK, Chuang KJ, Bien MY, Cao JJ, Han YM, Tian L, Chang CC, Feng PH, Ho KF, Chuang HC. Methionine oxidation in albumin by fine haze particulate matter: an in vitro and in vivo study. *J Hazard Mater*. 2014 Jun 15; 274:384-91.
52. Kuo CH, Lin SM, **Lee KY**, Chung FT, Lo YL, Hsiung TC, Liu CY, Kuo HP. Endobronchial ultrasound-guided transbronchial biopsy and brushing: a comparative evaluation for the diagnosis of peripheral pulmonary lesions. *Eur J Cardiothorac Surg*. 2014 May;45(5):894-8. (SCI)
53. Chih-Hsi Kuo, Ching-Yang Wu, **Kang-Yun Lee**, Shu-Min Lin, Fu-Tsai Chung, Yu-Lun Lo, Chien-Ying Liu, Cheng-Ta Yang, and Yi-Cheng Wu. Chronic obstructive pulmonary disease in stage I non-small cell lung cancer that underwent

anatomic resection: The role of a recurrence promoter. COPD. 2014 Aug;11(4):407-13. (SCI, Co-first author)

54. Chien-Da Huang, Te-Chih Hsiung, Shu-Chuan Ho, **Kang-Yun Lee**, Yao-Fei Chan, Li-Wei Kuo, Shu-Min Lin, Chun-Hua Wang, Horng-Chyuan Lin, Han-Pin Kuo. PPAR γ Ligand Ciglitazone Inhibits TNF α -induced ICAM-1 in Human Airway Smooth Muscle Cells. Biomed J 2014 Aug; 37:191-198.

55. Tzu-Chin Lin, Charles Tzu-Chi Lee, Te-Jen Lai, Chun-Te Lee, **Kang-Yun Lee**, Vincent Chin-Hung Chen, Robert Stewart. Association of asthma and bipolar disorder: A nationwide population-based study in Taiwan. Journal of Affective Disorders. 2014 Oct;168:30-6. (SCI)

56. Po-Hao Feng, Chih-Teng Yu, Chin-Yang Wu, Meng-Jung Lee, Wei-Hwa Lee, Liang-Shun Wang, Shu-Min Lin, Jen-Fen Fu, **Kang-Yun Lee**, Tzung-Hai Yen. Tumor-associated macrophages in stage IIIA pN2 non-small cell lung cancer after neoadjuvant chemotherapy and surgery. Am J Transl Res 2014 Oct 11; 6(5):593-603. (SCI; co-corresponding author)

57. Punde TH, Wu WH, Lien PC, Chang YL, Kuo PH, Chang MD, **Lee KY**, Huang CD, Kuo HP, Chan YF, Shih PC, Liu CH. A biologically inspired lung-on-a-chip device for the study of protein-induced lung inflammation. Integr Biol (Camb). 2015 Feb;7(2):162-9.

58. **Kang-Yun Lee**, Po-Hao Feng, Shu-Chuan Ho, Kai-Jen Chuang, Tzu-Tao Chen, Chien-Ling Su, Wen-Te Liu, Hsiao-Chi Chuang. Inter-alpha-trypsin inhibitor heavy chain 4: A novel biomarker for environmental exposure to particulate air pollution in patients with chronic obstructive pulmonary disease. Int J Chron Obstruct Pulmon Dis. 2015 Apr 24;10:831-41

59. Chiu CH, Yang CT, Shih JY, Huang MS, Su WC, Lai RS, Wang CC, Hsiao SH, Lin YC, Ho CL, Hsia TC, Wu MF, Lai CL, **Lee KY**, Lin CB, Yu-Wung Yeh D, Chuang CY, Chang FK, Tsai CM, Perng RP, Chih-Hsin Yang J. Epidermal Growth Factor Receptor Tyrosine Kinase Inhibitor Treatment Response in Advanced Lung Adenocarcinomas with G719X/L861Q/S768I Mutations. J Thorac Oncol. 2015 May;10(5):793-9.

60. **Kang-Yun Lee**, Jun-Ji Cao, Chii-Hong Lee, Ta-Chih Hsiao, Chi-Tai Yeh, Thanh-Tuan Huynh, Yong-Ming Han, Xiang-Dong Li, Kai-Jen Chuang, Linwei Tian, Kin-Fai Ho, Hsiao-Chi Chuang. Inhibition of the WNT/ β -catenin pathway by haze fine particulate matter: Roles of metals and polycyclic aromatic hydrocarbons. Atmospheric Environment 2015 May, 109: 118-129

61. Feng PH, Huang YL, Chuang KJ, Chen KY, **Lee KY**, Ho SC, Bien MY, Yang YL, Chuang HC; Taiwan CardioPulmonary Research (T-CPR) Group. Dysfunction of methionine sulfoxide reductases to repair damaged proteins by nickel nanoparticles. Chem Biol Interact. 2015 Jul 5;236:82-9.

62. Chang YW, Chiu CF, **Lee KY**, Hong CC, Wang YY, Cheng CC, Jan YH, Huang MS, Hsiao M, Ma JT, Su JL. CARMA3 Represses Metastasis Suppressor NME2 to Promote Lung Cancer Stemness and Metastasis. Am J Respir Crit Care Med. 2015 Jul 1;192(1):64-75.

63. **Kang-Yun Lee**, MD, PhD; Hsiao-Chi Chuang, PhD; Tzu-Tao Chen, MD; Wen-Te Liu, MD; Chien-Ling Su, MS; Po-Hao Feng, MD; Ling-Ling Chiang, MS; Mauo-Ying Bien, PhD; Shu-Chuan Ho, PhD. Proteoglycan 4 is a diagnostic biomarker for COPD. Int J Chron Obstruct Pulmon Dis. 2015 Sep 18;10:1999-2007.

64. Ho SC, Hsu MF, Kuo HP, Wang JY, Chen LF, **Lee KY**, Chuang HC. The relationship between anthropometric indicators and walking distance in patients with chronic obstructive pulmonary disease. Int J Chron Obstruct Pulmon Dis. 2015 Sep 8;10:1857-62.

65. Liu WT, Kuo HP, Liao TH, Chiang LL, Chen LF, Hsu MF, Chuang HC, **Lee KY**, Huang CD, Ho SC. Low bone mineral density in COPD patients with osteoporosis is related to low daily physical activity and high COPD assessment test scores. Int J Chron Obstruct Pulmon Dis. 2015 Sep 1;10:1737-44.

66. Chuang HC, Su CL, Liu HC, Feng PH, **Lee KY**, Chuang KJ, Lee CN, Bien MY. Cigarette smoke is a risk factor for severity and treatment outcome in patients with culture-positive tuberculosis. Ther Clin Risk Manag. 2015 Oct 6;11:1539-44.

67. Chen KY, Chuang KJ, Liu HC, **Lee KY**, Feng PH, Su CL, Lin CL, Lee CN, Chuang HC. Particulate matter is associated with sputum culture conversion in patients with culture-positive tuberculosis. Ther Clin Risk Manag. 2016 Jan 6;12:41-6.

68. Liu WT, **Lee KY**, Lee HC, Chuang HC, Wu D, Juang JN, Chuang KJ. The association of annual air pollution exposure with blood pressure among patients with sleep-disordered breathing. Sci Total Environ. 2016 Feb 1;543(Pt A):61-6.

69. Chiu CF, Chang YW, Kuo KT, Shen YS, Liu CY, Yu YH, Cheng CC, **Lee KY**, Chen FC, Hsu MK, Kuo TC, Ma JT, Su JL. NF- κ B-driven suppression of FOXO3a contributes to EGFR mutation-independent gefitinib resistance. Proc Natl Acad Sci U S A. 2016 May 3;113(18):E2526-35.

70. Kai-Jen Chuang, **Kang-Yun Lee**, Chih-Hong Pan, Ching-Huang Lai, Lian-Yu Lin, Shu-Chuan Ho, Kin-Fai Ho, Hsiao-Chi Chuang. Effects of zinc oxide nanoparticles on human coronary artery endothelial cells. Food Chem Toxicol. 2016 (e-

pub, co-first author)

71. **Kang-Yun Lee**, Kazuhiro Ito, and Kittipong Maneechotesuwan, "Inflammation to Pulmonary Diseases," Mediators of Inflammation, vol. 2016, Article ID 7401245, 2 pages, 2016. (e-pub, first and corresponding author)
72. Wu SM, Lin SL, **Lee KY**, Chuang HC, Feng PH, Cheng WL, Liao CJ, Chi HC, Lin YH, Tsai CY, Chen WJ, Yeh CT, Lin KH. Hepatoma cell functions modulated by NEK2 are associated with liver cancer progression. *Int J Cancer*. 2017 Apr 1;140(7):1581-1596.
73. Ho SC, Wang JY, Kuo HP, Huang CD, **Lee KY**, Chuang HC, Feng PH, Chen TT, Hsu MF. Mid-arm and calf circumferences are stronger mortality predictors than body mass index for patients with chronic obstructive pulmonary disease. *Int J Chron Obstruct Pulmon Dis*. 2016 Aug 31;11:2075-80. doi: 10.2147/COPD.S107326.
74. Ho KF, Chang CC, Tian L, Chan CS, Musa Bandowe BA, Lui KH, **Lee KY**, Chuang KJ, Liu CY, Ning Z, Chuang HC. Effects of polycyclic aromatic compounds in fine particulate matter generated from household coal combustion on response to EGFR mutations in vitro. *Environ Pollut*. 2016 Nov;218:1262-1269.
75. **Lee KY**, Chiang LL, Ho SC, Liu WT, Chen TT, Feng PH, Su CL, Chuang KJ, Chang CC, Chuang HC. Associations of autophagy with lung diffusion capacity and oxygen saturation in severe COPD: effects of particulate air pollution. *Int J Chron Obstruct Pulmon Dis*. 2016 Jul 11;11:1569-78.
76. Chen KY, Feng PH, Chang CC, Chen TT, Chuang HC, Lee CN, Su CL, Lin LY, **Lee KY**. Novel biomarker analysis of pleural effusion enhances differentiation of tuberculous from malignant pleural effusion. *Int J Gen Med*. 2016 Jun 11;9:183-9.
77. Lin CF, Lin CM, **Lee KY**, Wu SY5, Feng PH, Chen KY, Chuang HC, Chen CL, Wang YC, Tseng PC, Tsai TT. IFN- γ -dependent immunosurveillance in tumorigenesis. *J Biomed Sci*. 2017 Feb 1;24(1):10. Escape from
78. Shu-Chuan Ho, Sheng-Ming Wu, Po-Hao Feng, Wen-Te Liu, Kuan-Yuan Chen, Hsiao-Chi Chuang, Yao-Fei Chan, Lu-Wei Kuo, **Kang-Yun Lee**. Noncanonical NF- κ B mediates the suppressive effect of Neutrophil Elastase on IL-8/CXCL8 by inducing NKRF in human airway smooth muscle. *Sci Rep*. 2017 Mar 21;7:44930. (Corresponding author)
79. Chen TT, Wu SM, Ho SC, Chuang HC, Liu CY, Chan YF, Kuo LW, Feng PH, Liu WT, Chen KY, Hsiao TC, Juang JN, **Lee KY**. SUV39H1 reduction is implicated in abnormal inflammation in COPD. *Sci Rep*. 2017 Apr 20;7:46667. (Corresponding author)
80. **Lee KY**, Chen TT, Chiang LL, Chuang HC, Feng PH, Liu WT, Chen KY, Ho SC. Proteasome activity related with the daily physical activity of COPD patients. *Int J Chron Obstruct Pulmon Dis*. 2017 May 22;12:1519-1525. doi: 10.2147/COPD.S132276. eCollection 2017.
81. **Lee KY**, Feng PH, Chuang HC, Wu SM, Liu WT, Chen KY, Liu CY, Ho SC. Trace elements in pleural effusion correlates with smokers with lung cancer. *Biol Trace Elem Res*. 2018 Mar;182(1):14-20.
82. Chuang HC, Chuang KJ, Chen JK, Hua HE, Shen YL, Liao WN, Lee CH, Pan CH, Chen KY, **Lee KY**, Hsiao TC, Cheng TJ. Pulmonary pathobiology induced by 9 in mice: A 24-hour and 28-day follow-up study. *Toxicol Appl Pharmacol*. 2017 Jul 15;327:13-22.
83. Shen YL, Liu WT, **Lee KY**, Chuang HC, Chen HW, Chuang KJ. Association of PM_{2.5} with sleep-disordered breathing from a population-based study in Northern Taiwan urban areas. *Environ Pollut*. 2017 Oct 20;233:109-113.
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