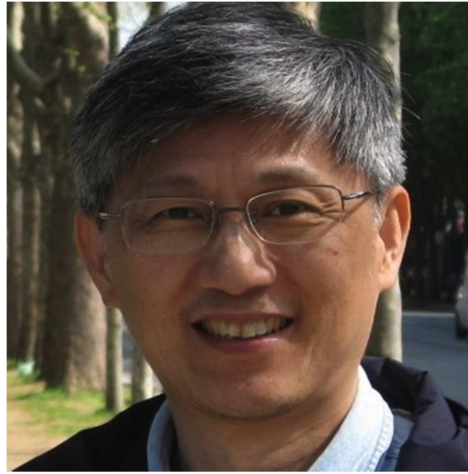


# Tsun-Jen Cheng, MD



## **Research Interests**

Occupational and environmental medicine; Inhalation toxicology; Air pollution and health; Nanotechnology and health; PVC workers and liver cancer

## **Education and Degrees**

1995 ScD, Cancer Biology, Harvard School of Public Health, USA

1984 MPH, Harvard School of Public Health, USA

1980 MD, Taipei Medical College, Taiwan

## **Professional Appointments**

2006- Visiting Staff, Environmental and Occupational Medicine, National Taiwan University Hospital

2005-2011 Director, Institute of Occupational Medicine and Industrial Hygiene, National Taiwan University College of Public Health

2004- Professor, Division of Environmental and Occupational Medicine, National Taiwan University College of Medicine

2002- Professor, Institute of Occupational Medicine and Industrial Hygiene, National Taiwan University College of Public Health

2000-2005 Director, Occupational Hygiene Section, Environmental Protection and Occupational Safety and Hygiene Center, National Taiwan University

1996-2002 Associate Professor, Institute of Occupational Medicine and Industrial Hygiene, National Taiwan University College of Public Health

1996-1997 Director, Department of Occupational Safety and Hygiene, National Taiwan University Hospital

1995-2006 Visiting Staff, Internal Medicine, National Taiwan University Hospital

1991-1992 Occupational Medicine Resident, Harvard School of Public Health, USA

1988-1991 Internal Medicine Resident, Brown University Memorial Hospital of Rhode Island,

USA

### **Society Activities**

2008-2011 Associate Editor, Environmental Health Perspectives

2004-2007 Editorial board, Inhalation Toxicology

2003-2008 Editorial review board, Environmental Health Perspectives

2001- Editorial board, Institute of Occupational Safety and Health Journal

2001-2013 Editorial board, Taiwan Journal of Public Health

### **Selected Publications (2014-present)**

1. Chen TT, Chuang KJ, Chiang LL, Chen CC, Yeh CT, Wang LS, Clive G., Tim J., Kelly B., Lee CN, Chuang HC \*, **Cheng TJ** \*. Characterization of the interactions between protein and carbon black. Journal of Hazardous Materials. 2014;264:127-135.
2. Juang YM, Lai BH, Chien HJ, Ho M, **Cheng TJ**, Lai CC. Changes in protein expression in rat bronchoalveolar lavage fluid after exposure to zinc oxide nanoparticles: an iTRAQ proteomic approach. Rapid Commun Mass Spectrom 2014;28:974-80.
3. Liu WT, Bien MY, Chuang K J, Chang TY, Jones T, Berube K, Lalev G, Tsai DH, Chuang HC \*, **Cheng TJ** and Taiwan CardioPulmonary Research Group. Physicochemical and biological characterization of single-walled and double-walled carbon nanotubes in biological media. J Hazard Mater 2014;280C:216-225.
4. Jung CC, Tsai YS, Chang CC, **Cheng TJ**, Chang CW, Liu PY, Chiu YJ, Su HJ. Allergen exposure induces adipose tissue inflammation and insulin resistance. Int Immunopharmacol 2014;23:104-112.
5. Chuang HC, Juan HT, Chang CN, Yan YH, Yuan TH, Wang JS, Chen HC, Hwang YH, Lee CH, **Cheng TJ** \*. Cardiopulmonary toxicity of pulmonary exposure to occupationally relevant zinc oxide nanoparticles. Nanotoxicology. 2014; 8:593-604.
6. Chen WL, Lin CY, Yan YH, Cheng KT, **Cheng TJ** \*. Alterations in rat pulmonary phosphatidylcholines after chronic exposure to ambient fine particulate matter. Mol Biosyst 2014;10:3163-9.
7. Yan YH, C CKC, Wang JS, Tung CL, Li YR, Lo K, **Cheng TJ** \*. Subchronic effects of inhaled ambient particulate matter on glucose homeostasis and target organ damage in a type 1 diabetic rat model. Toxicol Appl Pharmacol 2014;281:211-220.
8. Chen CH, Chan CC, Chen BY, **Cheng TJ**, Leon Guo Y. Effects of particulate air pollution and ozone on lung function in non-asthmatic children. Environ Res 2014;137C:40-48.
9. Meg Tseng MC, Lin YP, **Cheng TJ** \*. Effects of Psychopathology on the Characteristics of Individuals with Self-reported Electromagnetic Field Hypersensitivity. Taiwanese Journal of Psychiatry

2014;28:27-37.

10. Shih TJ, Lin YP, **Cheng TJ**. Public perception of nanotechnology and its policy in Taiwan. *Chinese Journal of Communication Research*, 2015. (Accepted, in Chinese)

11. Chuang HC, Chen LC, Lei YC, Wu KY, Feng PH, **Cheng TJ\***. Surface area as a dose metric for carbon black nanoparticles: A study of oxidative stress, DNA single-strand breakage and inflammation in rats.

*Atmospheric Environment* 2015; 106: 329-334.

12. Huang KL, Lee YH, Chen HI, Liao HS, Chiang BL, **Cheng TJ\***. Zinc oxide nanoparticles induce eosinophilic airway inflammation in mice. *Journal of Hazardous Materials* 2015; 297: 304-312.