

c.v. Ming-Tsang Wu



## CURRICULUM VITAE

Date: 01/2018

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**Director, Research Center for Environmental Medicine, Kaohsiung Medical University, Kaohsiung, Taiwan**

**Director, Graduate Institute of Clinical Medicine, Kaohsiung Medical University, Kaohsiung, Taiwan**

**Director of PhD Program in Environmental and Occupational Medicine, Kaohsiung Medical University, Kaohsiung, Taiwan**

**Chairman, Department of Community Medicine, Kaohsiung Medical University Hospital, Kaohsiung Medical University, Kaohsiung, Taiwan**

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### RESEARCH INTERESTS

Community Medicine, Preventive Medicine, Molecular Epidemiology, Environmental Health & Occupational Medicine

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My major research interest is on the interactive effects of environmental and occupational exposures, genetic factors, and biomarkers on the health outcomes. Recently, I am also actively involving in the translational studies, since I am a clinical physician as well as a researcher. The missions of my research unit are 1) to identify functionally important gene markers that may be involved in the development and prognosis of diseases (e.g., esophageal cancer) by advance techniques such as whole genome array; 2) to study gene-to-environment interactions in disease etiology in clinical and community epidemiology; 3) to apply different biological monitoring markers in the studies of newly-emerging environmental diseases such as melamine exposure and urolithiasis; 4) to supervise the clinical physicians to conduct translational studies as well as the studies of clinical epidemiology; 5) to establish tissue and DNA repositories for molecular epidemiology and community medicine studies in the future (e.g., gastro-endoscopy cohort); 6) to train undergraduate and graduate students for the study of molecular epidemiology and biology in environmental and occupational health. My laboratory, called Environmental & Occupational Molecular Epidemiology Research Laboratory, occupies ~70 square meters of space on the 9th floor of CS Research Building inside the campus of Kaohsiung Medical University. My laboratory has equipped with one small culture room and has successfully established the independent ability to run PCR for genotyping, to identify the certain hypermethylation genes, and to detect gene mutations by PCR-SSCP as well as to use the invasion chamber assay to isolate the most malignant esophageal cell lines. Meanwhile, my laboratory is closely to other research laboratory, including Exposure Assessment Research Laboratory, led by one of our co-investigators, Dr. Chiung-Yu Peng. Therefore, the state-of-art research facilities and equipments in our research center promise the research successfully.

I have professionally cooperated with many physicians and scientists from National Taiwan University Hospital in Taipei, China Medical University Hospital in Taichung, and E-Da Hospital and Kaohsiung Medical University Hospital (KMUH) in Kaohsiung as well as the scientists from National Health Research Institutes (NHRI) and Academia Sinica (Dr. Ling-Hui Li 李玲慧, National Genotyping Center, Institute of Biomedical Sciences, for the study of esophageal cancer). I am also actively involving in the international collaborative research projects, including one with Dr. David C. Christiani, Professor in the School of Public Health of Harvard University, in which we study the effect of petrochemical exposures on leukemia and brain neoplasms in young people, and one with Dr. Stephen Hecht, Wallin Land Grant Professor of Cancer Prevention in University of Minnesota, in which we are studying urinary biomarkers of benzo[a]pyrene and pyrene in coke-oven workers. Right now, Prof. Christiani and I start to initiate another research project related with molecular genetics of lung cancer. We attempt to elucidate different profiles of gene mutations of lung cancer between Caucasian and Asia populations. Prof. Hecht and I also start to work on another project, entitled “DNA Adducts of the Carcinogen Acetaldehyde”, which has being granted by US NIH for 5 years. Our major research goal is to investigate the modifying effect of ethanol-metabolizing genes on ethanol-related DNA adducts in leukocytes of humans who are alcohol drinkers.

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## **EDUCATION**

DATE	DEGREE	INSTITUTION	DISCIPLINE
1987	M.D.	Chung Shan Medical University	Medicine
1992	M.O.H.	Harvard University	Occupational Health
1997	Sc.D.	Harvard University	Occupational Health

## **POSTDOCTORAL TRAINING**

### **RESEARCH FELLOWSHIP**

DATE	FIELD OF RESEARCH	PLACE	TITLE
1997-2000	Environmental Health & Cancer Cell Biology	Harvard School of Public Health	Research Fellow

### **INTERNSHIP AND RESIDENCY**

DATE	SPECIALTY	HOSPITAL
1986-87	Intern	Jaang Geng Memorial Hospital, Taoyuan, Taiwan
1987-88	Junior Assistant Resident, Internal Medicine	McKay Memorial Hospital, Taipei, Taiwan
1988-90	Junior Assistant Resident, Family Medicine	Kaohsiung Medical College Hospital, Kaohsiung, Taiwan
1990-91	Senior Assistant Resident, Family Medicine	Kaohsiung Medical College Hospital, Kaohsiung, Taiwan

## **LICENSE AND CERTIFICATION**

DATE	TYPE OF LICENSE OR CERTIFICATION
1987	National Board of Medicine, Taiwan
1991	National Board of Family Medicine, Taiwan
2001	National Board of Occupational Medicine, Taiwan

### ACADEMIC APPOINTMENTS

DATE	DEPARTMENT	INSTITUTION	TITLE
1997-99	Occupational Health & Cancer Cell Biology of Public Health	Harvard School	Research Fellow
1998-2001	Institute of Occupational Safety and Health	Kaohsiung Medical School, Taiwan	Adjunct Assistant Professor
2000-01	Division of Environmental Health & Occupational Medicine	National Health Research Institutes (NHRI)	Assistant Investigator
2001-04	Graduate Institute of Occupational Health & Safety	Kaohsiung Medical University	Associate Professor
2004-06	Graduate Institute of Occupational Health & Safety	Kaohsiung Medical University	Professor
2006-07	Graduate Institute of Occupational Health & Safety	Kaohsiung Medical University	Adjunct Professor
2006-07	Graduate Institute of Environmental Health	China Medical University & Hospital	Professor
2006-07	Graduate Institute of Medical Research	China Medical University & Hospital	Adjunct Professor
2007-2011/7	Graduate Institute of Occupational Health & Safety	Kaohsiung Medical University	Professor
2007-2011/7	Graduate Institute of Occupational Health & Safety	Kaohsiung Medical University	Director
2011/08-now	Division of Environmental & Occupational Safety & Health, Department of	Kaohsiung Medical University	Head

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Public Health

<b>2008/08-now</b>	<b>Environmental &amp; Occupational Medicine &amp; Epidemiology Program</b>	<b>Harvard School of Public Health</b>	<b>Visiting scientist</b>
<b>2009/08-now</b>	<b>Institute of Biomedical Sciences</b>	<b>National Sun-Yat-sen University</b>	<b>Adjunct Professor</b>
<b>2011/08-now</b>	<b>Department of Public Health</b>	<b>Kaohsiung Medical University</b>	<b>Professor</b>
<b>2014/03-now</b>	<b>Graduate Institute of Clinical Medicine</b>	<b>Kaohsiung Medical University</b>	<b>Director</b>
<b>2014/03-now</b>	<b>PhD Program in Environmental &amp; Occupational Medicine</b>	<b>Kaohsiung Medical University</b>	<b>Director</b>

#### UNIVERSITY APPOINTMENTS

2003-04	Center for International Academic Exchange	Kaohsiung Medical University	Director
2004-06	Center for Labor Safety & Health	Kaohsiung Medical University	Director
2007/08-2010/07	Center for International Affairs	Kaohsiung Medical University	Director
<b>2014/08-now</b>	<b>Research Center for Environmental Medicine</b>	<b>Kaohsiung Medical University</b>	<b>Director</b>

#### HOSPITAL APPOINTMENTS

DATES	TITLE	UNIT	HOSPITAL
1991-92	Adjunct attendant	Family Medicine	Kaohsiung Medical College Hospital, Kaohsiung, Taiwan
1991-92	Clinical Physician	Family Medicine	Chinese Steel Corporation, Kaohsiung, Taiwan

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1996	Adjunct attending physician	Occupational Medicine	Kaohsiung Medical College Hospital, Kaohsiung, Taiwan
1996-97	Adjunct attending physician	Occupational Medicine	Chinese Steel Corporation, Kaohsiung, Taiwan
2000-06	Adjunct attending physician	Occupational Medicine	Kaohsiung Medical University Hospital
2003-06	Adjunct attending physician	Family Medicine	Kaohsiung Medical University Hospital
2006-07	attending physician	Family Medicine	China Medical University & Hospital
2006-07	Director physician	Occupational Medicine	China Medical University & Hospital
<b>2007-now</b>	<b>Attending physician</b>	<b>Family Medicine</b>	<b>Kaohsiung Medical University Hospital</b>
<b>2010/10-2016/07</b>	<b>Director</b>	<b>Center of Environmental &amp; Occupational Medicine, Kaohsiung Municipal Hsiao-Kang Hospital</b>	
<b>2016/08-now</b>	<b>Chairman</b>	<b>Community Medicine</b>	<b>Kaohsiung Medical University Hospital</b>

**AWARDS**

1993	Taiwan Harvard Alumni Scholarship
1994	Harvard Alumni Scholarship at Harvard School of Public Health
1994	Orville Redenbacher Scholarship
1995	Chinese Steel Corporation Award
2000	American Bureau for Medical Advancement in China (ABMAC) Award
2003	John M. White Award
2004-05	Distinguished Research Award, Kaohsiung Medical University

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- 2013 Research Grant Award from National Health Research Institutes
- 2013 Joint Research Award from National Sun Yat-sen University and  
Kaohsiung Medical University
- 2008-17 Distinguished Research Award, Kaohsiung Medical University

**EDITOR**

- 2003/8- Member in the Executive Editorial Board of the Kaohsiung Journal of  
Medical Sciences

**JOURNAL REVIEWER**

- Journal of Occupational and Environmental Medicine  
Cancer Letters  
Cancer Detection and Prevention  
American Journal of Infection Control  
Cancer  
Cancer Epidemiology, Biomarkers & Prevention

**RESEARCH SUPPORT**

**PAST FUNDING**

YEAR(S)	FUNDING SOURCE	ROLE	GRANT TITLE
1991-92			Department of Health, Co-PI The evaluation of falls and related Taiwan factors in aged people of Kaohsiung city
1993	Taiwan		Department of Health, Co-PI Liver dysfunction after exposure to emissions in the coke oven and by- product areas of the Chinese Steel Corporation
1995			National Science Council, Co-PI Liver function profiles in coke oven

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			Taiwan workers
1996			National Science Council, Co-PI The relationship of coke oven Taiwan emissions with urinary 1- hydroxypyrene level among steel workers
1997	Pilot Grant at HSPH		NIEHS-Kresge Center, Co-PI The effect of genetic polymorphisms in <i>metallothionein-II<sub>A</sub></i> on mRNA levels in middle-aged to elderly men: The Normative Aging Study
1997	Pilot Grant at HSPH		NIEHS-Kresge Center PI Exposure to environmental tobacco smoke and urinary 1-hydroxypyrene levels in schoolchildren
1997-00			Bureau of Industry Co-PI Genetic susceptibility and cancer risks Taiwan in children and young residents near petrochemical industries
1999	Harvard-Kaohsiung Medical School Collaborative	Co-PI	Establishment of collaborative research unit in Kaohsiung Medical Foundation in the US College

**CURRENT FUNDING**

<b>YEAR(S)</b>	<b>FUNDING SOURCE</b>	<b>ROLE</b>	<b>GRANT TITLE</b>
1999-04	US NIEHS	Co-PI	Brain neoplasms, leukemia, and petrochemical exposures (PI-David Christiani, Harvard School of Public Health)
2001-02	NSC	PI	Molecular epidemiology of chronic obstructive pulmonary disease
2001-02	NSC	Co-PI	Genetic polymorphisms of <i>CYP1A1</i> and <i>SULT1A1</i> in esophageal cancer



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			risk
2001-04	NHRI	Co-PI	The Association of Areca Nut Usage and Esophageal Cancer
2002-04	NSC	PI	Molecular epidemiology of prostate cancer
2002-03	NSC	Co-PI	Molecular epidemiology of cervical neoplasm
2003-08	NHRI	PI	The molecular epidemiology of cervical neoplasm
2005-07	NHRI	Co-PI	Molecular epidemiology and biology of esophageal cancer
<b>2006-09</b>	<b>NSC</b>	<b>PI</b>	<b>Molecular epidemiological study between exposure to environmental hazards and chronic bronchitis among the women - A community-based study</b>
<b>2005-08</b>	<b>Council of Labor Affairs</b>	<b>PI</b>	<b>Rotated shift and women health (I-III)</b>
<b>2008-12</b>	<b>NIH</b>	<b>Co-PI</b>	<b>DNA Adducts of the Carcinogen Acetaldehyde (5R01ES011297-08) (PI-Stephen Hecht, U. of Minnesota)</b>
<b>2008-13</b>	<b>NHRI</b>	<b>PI</b>	<b>The molecular epidemiology and biology of cervical neoplasm</b>
<b>2009</b>	<b>NIOSH</b>	<b>Co-PI</b>	<b>Polycyclic aromatic hydrocarbons &amp; male reproductive health (US NIOSH 01-R03-OH-00950-01) (PI-Anna Jeng, Old Dominion University)</b>

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## TEACHING EXPERIENCE

DATE	TITLE	INSTITUTION	EXPERIENCE
1990-92	Clinical Physician	Family Medicine, Kaohsiung Medical College Hospital, Kaohsiung, Taiwan	Family Med residents on rotation
1998	Adjunct Assistant Professor	Kaohsiung Medical School	Lecture on Institute of Occupational Safety and Health
1998	Research Fellow	School of Public Health	Lecture for liver toxicity in Toxicology
2001-02	Associate Professor	Kaohsiung Medical University	Environmental Health, Epidemiology in Occupational Health, Occupational Medicine

## DOCTORAL THESIS

**Ming-Tsang Wu.** Characterization of coke oven exposures, urinary 1-hydroxypyrene concentrations, and liver function in steel workers. Harvard School of Public Health, Boston, USA, 1997.

## BIBLIOGRAPHY

### ORIGINAL ARTICLES

1. **Wu MT**, Liu WJ, Hsieh HJ, Liu HW. A case report of carotenemia. *Kaohsiung J Med Sci* 1989;5:412-415. [Chinese] (non-SCI)
2. **Wu MT**, Ma YS, Liu HW, Liu WJ, Ma HC, Pan C. The analysis of motivation and attitude of premarital medical examinees. *Kaohsiung J Med Sci* 1990;6:594-598. [Chinese] (non-SCI)
3. **Wu MT**, Huang CT. Patients why do not keep appointments in the family practice clinic. *Med Today* 1990;17:98-100. [Chinese] (non-SCI)
4. **Wu MT**, Huang HL, Liu HW, Lu SN, Huang CT, Hsu WC, Chan TT. The appointment system at the Department of Family Medicine of Kaohsiung Medical College. *Chin J Fam Med* 1991;1:45-52. [Chinese] (non-SCI)

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5. **Wu MT**, Wang SY. The evaluation and prevention of falls and related factors in aged people. *Med Today* 1991;18: 813-816. [Chinese] (non-SCI)
6. **Wu MT**, Kelsey KT, Mao IF, Wypij D, Liu HW, Christiani DC. Elevated serum liver enzymes in coke oven and by-product workers. *JOEM* 1997;39:527-533.
7. **Wu MT**, Mao IF, Wypij D, Ho CK, Chen JR, Christiani DC. Serum liver function profiles in coking workers. *Am J Ind Med* 1997;32:478-486.
8. **Wu MT**, Wypij D, Ho CK, Mao IF, Chen ML, Lu PL, Christiani DC: Temporal changes in urinary 1-hydroxypyrene concentrations in coke-oven workers. *Cancer Epidemiol Biomarkers Prev* 1998;7:169-173.
9. **Wu MT**, Mao IF, Ho CK, Wypij D, Lu PL, Smith TJ, Chen ML, Christiani DC: Urinary 1-hydroxypyrene concentrations in coke oven workers. *Occup Environ Med* 1998;55:461-467.
10. Chen ML, Mao IF, **Wu MT**, Ho CK, Chen JR, Smith TJ, Wypij D, Christiani DC: Assessment of coke oven emissions exposure among coking workers. *Am Ind Hyg Assoc J* 1999;60:105-110.
11. **Wu MT**, Huang SL, Ho CK, Yeh YF, Christiani DC. Cytochrome *P450 1A1 MspI* polymorphism and urinary 1-hydroxypyrene concentrations in coke-oven workers. *Cancer Epidemiol Biomarkers Prev* 1998;7:823-829.
12. **Wu MT**, Ho CK, Huang SL, Yeh YF, Liu CL, Mao IF, Christiani DC: Modulating Influence of Cytochrome *P450 MspI* Polymorphism on Serum Liver Function Profiles in Coke Oven Workers. *Occup Environ Med* 1999;56:159-163.
13. Ho CK, Lo WCH, Huang PH, **Wu MT**, Christiani DC, Lin CT: Suspected nasopharyngeal carcinoma in three workers with long-term exposure to sulfuric acid vapor. *Occup Environ Med* 1999;56:246-248.
14. Simpson CD, **Wu MT**, Christiani DC, Santella RM, Carmella SG, Hecht SS: Determination of *r-7, t-8, 9, c-10-tetrahydroxy-7, 8,9, 10-tetrahydrobenzo[a]pyrene* in human urine by gas chromatography/negative ion chemical ionization/mass spectrometry. *Chem Research Toxicol* 13: 271-280, 2000.
15. **Wu MT**, Demple B, Bennett RAO, Christiani DC, Fang R, Howard HH. Individual variability in the zinc inducibility of metallothionein-II<sub>A</sub> mRNA in human lymphocytes. *J Toxicol Environ Health* 61: 553-567, 2000.
16. Lee JM, Lee YC, Yang SY, Shi WL, Lee CJ, Luh SP, Chen CJ, Hsieh CY, **Wu MT**. Genetic polymorphisms of *p53* and *GSTP1*, but not *NAT2*, are associated with susceptibility to squamous-cell carcinoma of the esophagus. *Int J Cancer* 89: 458-464, 2000.
17. Wang CL, Chuang HY, Chang CY, Liu ST, **Wu MT**, Ho CK: An unusual case of organophosphate intoxication of a worker in a plastic bottle recycling plant: An Important Reminder. *Environ Health Persp* 108: 1103-1105, 2000.

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18. Fan R, **Wu MT**, Miller D, Wain JC, Kelsey KT, Wiencke JK, Christiani DC: The p53 codon 72 polymorphism and lung cancer risk. *Cancer Epidemiol Biomarkers & Prev* 2000; 9: 1037-1042.
19. Hu H, **Wu MT**, Sparrow D, Cheng YW, Weiss S, Kelsey K: Modulating influence of a  $\delta$ -aminolevulinic acid dehydratase (*ALAD*) polymorphism on bone lead to blood lead levels among middle-aged to elderly men: the Normative Aging Study. *Environ Health Persp* 109: 827-32, 2001.
20. Lee JM, Lee YC, Yang SY, Yang PW, Luh SP, Lee CJ, Chen CJ, **Wu MT**: Genetic polymorphisms of *XRCC1* and risk of the esophageal cancer. *Int J Cancer* 95: 240-246, 2001.
21. **Wu MT\***, Lee YC, Chen CJ, Yang PW, Lee CJ, Wu DC, Hsu HK, Ho CK, Kao EL, Lee JM: Risk of Areca Chewing for Esophageal Cancer in Taiwan. *Br J Cancer* 85: 658-660, 2001 (Correspondent). (NSC 89-2314-B-037-113)
22. **Wu MT\***: Assessment of the effectiveness of respirator usage in coke oven workers. *Am Ind Hyg Assoc J* 63: 72-75, 2002 (Correspondent). (NSC 89-2314-B-037- 113)
23. **Wu MT**, Simpson CD, Christiani DC, Hecht SS: Relationship of exposure to coke-oven emissions and urinary metabolites of benzo[*a*]pyrene and pyrene in coke-oven workers. *Cancer Epidemiol Biomarkers & Prev* 11: 311-314, 2002. (NSC 89-2314-B-037-113, NSC 90-2320-B-037-052, CA-92025)
24. **Wu MT\***, Lee JM, Wu DC, Ho CK, Wang YT, Lee YC, Hsu HK, Kao EL: Genetic polymorphisms of *cytochrome P4501A1* and esophageal squamous-cell carcinoma in Taiwan. *Br J Cancer* 87: 529-532, 2002 (Correspondent). (NSC 90-2320-B-037-040, NSC 90-2320-B-037-052, NHRI CN-IN-9007P)
25. **Wu MT**, Kelsey K, Schwartz J, Sparrow D, Weiss S, Hu H: A  $\delta$ -aminolevulinic acid dehydratase (*ALAD*) polymorphism may modify the relationship of low-level lead exposure to uricemia and renal function: the Normative Aging Study. *Environ Health Persp* 111: 335-340, 2003. (NIEHS ES 05257-06A1, P42-ES05947, P30 ES00002) (NIH NCRR GCRC M01RR02635, SBIR 2R44 ES03918-02)
26. **Wu MT\***, Wang YT, Ho CK, Wu DC, Lee YC, Hsu HK, Kao EL, Lee JM: *Phenol sulfotransferase 1A1* and esophageal cancer risk in males. *Int J Cancer* 103: 101-104, 2003 (Correspondent). (NSC90-2320-B-037-040, NSC 90-2320-B-037-052, NHRI-CN-IN-9007P)
27. Huang SP, Chou YH, **Wu MT**, Chai CY, Tsai HN, Li CC, Shen JC, Wu WJ, Wang CJ, Huang CH: Adrenal tumors: 10-year experience at Kaohsiung Medical University Hospital and literature review. *Kaohsiung J Med Sci* 18: 450-458, 2002. (non-SCI)
29. **Wu MT**, Lee LH, Ho CK, Liu CL, Wu SC, Lin LY, Cheng BH, Yang CY, Wu TN: Lifetime exposure to environmental tobacco smoke and cervical intraepithelial neoplasm among non-smoking Taiwanese women. *Arch Environ Health* 58 (6): 353-359, 2003 (2001 SCI: Section: ENVIRONMENTAL SCIENCES; IP: 1.398; Rank: 29/129).

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30. Tsai HT, **Wu MT\***, Hauser R, Rodrigues E, Ho CK, Liu CL, Christiani DC: Exposure to environmental tobacco smoke and urinary 1-hydroxypyrene levels in preschool children. *Kaohsiung J Med Sci* 19: 97-104, 2003 (Medline) (Correspondent). (**NIEHS ES00002, NSC 89-2314-B-037-113**)
31. **Wu MT\***, Chen SY, Wu TN, Hwany HY, Ho CK, Lee LH, Wu SC: No association between polymorphisms of the DNA repair gene *XRCC1* and cervical neoplasm risk. *Environ Health Prev Med* 8: 100-103, 2003 (non-SCI). (**NHRI-EX92-9205PI, NSC 91-2320-B-037-024, NSC 91-2320-B-037-053**)
32. Lee JM, Lee YC, Yang SY, Luh SP, Lee CJ, Chen CJ, **Wu MT\***: The association of *GSTT1* genetic polymorphism with the risk of esophageal cancer-interactive with environmental exposure. *J Genetics Mol Biol* 14: 41-50, 2003 (non-SCI) (Correspondent).
33. Chen WY, Tseng HI, **Wu MT**, Hung HC, Wu HT, Chen HL, Lu CC: Synergistic effect of multiple indoor allergen sources on atopic symptoms in primary school children. *Environ Res* 93: 1-8, 2003 (2001 SCI: Section: ENVIRONMENTAL SCIENCES; IP: 1.607; Rank: 22/129). (**NHRI 90A1-EOAD-SG01**)
34. **Wu MT\***, Pan CH, Huang YL, Tsai PJ, Chen CJ, Wu TN: Urinary excretion of 8-hydroxy-2-deoxyguanosine and 1-hydroxypyrene in coke-oven workers. *Environ Mol Mutagen* 42: 98-105, 2003 (2002 SCI: Section: ENVIRONMENTAL SCIENCES; IP: 2.547; Rank: 8/131) (Correspondent). (**IOSH90-M366, NSC 86-2314-B-010-115**)
35. Wang SW, Yu FJ, Lo YC, Yang YC, **Wu MT**, Wu IC, Lee YC, Jan CM, Wang WM, Wu DC: The clinical utility of string-PCR test in diagnosing *Helicobacter pylori* infection. *Hepato-gastroenterology* 50: 1208-1213, 2003 (2001 SCI: Section: GASTROENTEROLOGY & HEPATOLOGY; IP: 0.886; Rank: 34/47). (**NSC91-2314-B-037-03**)
36. **Wu MT**, Lee LH, Ho CK, Wu SC, Lin LY, Cheng BH, Liu CL, Yang CY, Tsai HT, Wu TN: Environmental exposure to cooking oil fumes and cervical intraepithelial neoplasm. *Environ Res* 94: 25-32, 2004 (2001 SCI: Section: ENVIRONMENTAL SCIENCES; IP: 1.607; Rank: 22/129). (**NHRI-EX92-9205PI, NSC 91-2320-B-037-053**)
37. Lee JM, Lee YC, Chen CJ, **Wu MT\***: Applications of genetic polymorphisms in DNA repair in the prediction of cancer susceptibility and clinical outcome. *Current Pharmacogenomics* 1 (3): 175-186, 2003 (Correspondent).
38. **Wu MT\***, Pan CH, Wu TN, Huang YL, Chen CY, Huang LH, Ho CK: Immunological findings in a group of coke-oven workers exposed to polycyclic aromatic hydrocarbons. *J Occup Environ Med* 45 (10): 1034-1039, 2003 (2002 SCI: Section: PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH; IP: 1.811; Rank: 25/90) (Correspondent). (**IOSH90-M366, NSC 92-2320-B-037-000**)
39. **Wu MT\***, Wu DC, Hsu HK, Kao EL, Yang CH, Lee JM: Association between *p21* codon 31 polymorphism and esophageal cancer risk in a Taiwanese population. *Cancer Lett* 201: 175-80, 2003 (2001 SCI: Section: ONCOLOGY; IP: 1.741; Rank: 57/107) (Correspondent). (**NSC 90-2320-B-037-040, NSC 90-2320-B-037-052, NHRI-CN-IN-9007P**)

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40. **Wu MT\***, Wu DC, Hsu HK, Kao EL, Lee JM: Relationship between site of esophageal cancer and areca chewing and smoking in Taiwan. *Br J Cancer* 89 (7): 1202-1204, 2003 (2001 SCI: Section: ONCOLOGY; IP: 3.942; Rank: 16/107) (Correspondent). (NSC 90-2320-B-037-040, NSC 90-2320-B-037-052, NHRI-CN-IN-9007P)
41. Huang SP, Chou YH, Chang WSW, **Wu MT\***, Yu CC, Wu TT, Lee YH, Huang JK, Wu WJ, Huang CH: Androgen receptor gene polymorphism and prostate cancer in Taiwan. *J Formos Med Assoc* 102: 680-686, 2003 (2001 SCI: Section: MEDICINE, GENERAL & INTERNAL; IP: 0.378; Rank: 76/109) (Correspondent).
42. Hung HC, Huang MC, Lee JM, Wu DC, Hsu HK, **Wu MT\***: The association between diets and esophageal cancer in Taiwan. *J Gastroenterol Hepatol* 19 (6): 632-637, 2004 (2001 SCI: Section: GASTROENTEROLOGY & HEPATOLOGY; IP: 1.258; Rank: 47/29) (Correspondent). (NHRI-CN-IN-9007P, NSC91-2314-B-037-346)
43. **Wu MT\***, Chen MC, Wu DC: Influences of lifestyle habits and *p53* codon 72 and *p21* codon 31 polymorphisms on gastric cancer risk in Taiwan. *Cancer Lett* 205 (1): 61-68, 2004 (2001 SCI: Section: ONCOLOGY; IP: 1.741; Rank: 57/107) (Correspondent). (NSC 90-2320-B-037-040, NSC 90-2320-B-037-052, NHRI-CN-IN-9007P)
44. **Wu MT\***, Liu CL, Ho CK, Wu TN: The genetic polymorphisms of *p53* and *XRCC1* in cervical intraepithelial neoplasm among Taiwanese women. *J Formos Med Assoc* 103 (5): 337-343, 2004 (2001 SCI: Section: MEDICINE, GENERAL & INTERNAL; IP: 0.378; Rank: 76/109) (Correspondent). (NHRI-EX92-9205PI, NSC 91-2320-B-037-024, NSC 91-2320-B-037-053)
45. Huang SP, Chou YH, Chang WSW, **Wu MT\***, Chen YY, Yu CC, Wu TT, Lee YH, Huang JK, Wu WJ, Huang CH: Association between *vitamin D receptor* polymorphisms and prostate cancer risk in a Taiwanese population. *Cancer Lett* 207 (1): 69-77, 2004 (2001 SCI: Section: ONCOLOGY; IP: 1.741; Rank: 57/107) (Correspondent). (NSC 91-2320-B-037-024, NSC 92-2320-B-037-008, KMU91-B-05, KMU92-D-05)
46. Hu CW, **Wu MT**, Chao MR, Pan CH, Wang CJ, Swenberg JA, Wu KY: Comparison of analyses of urinary 8-hydroxy-2'-deoxyguanosine using isotope-dilution liquid chromatography electrospray tandem mass spectrometry and enzyme-linked immunosorbent assay. *Rapid Commun Mass Spectrom* 18: 505-510, 2004 (SCI).
47. Yang YH, **Wu MT**, Ho CK, Chuang HY, Chang L, Yang CY, Wu TN: Needlestick/sharps injuries among vocational school nursing students in southern Taiwan. *Am J Infect Control* 32(8):431-435, 2004 (SCI).
48. **Wu MT\***, Wu DC, Hsu HK, Kao EL, Lee JM: Constituents of areca chewing related to esophageal cancer risk in Taiwanese males. *Dis Esophagus* 17(3): 257-259, 2004 (2001 SCI: Section: GASTROENTEROLOGY & HEPATOLOGY; IP: 0.603; Rank: 43/45) (Correspondent).
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