

XIBIAO YE, M.D., PhD.

Visiting Fellow
Epidemiology Branch
National Institute of Environmental Health Sciences
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EDUCATION

Ph.D., Environmental and Occupational Health, 2003.
School of Public Health, Fudan University, Shanghai, China

M.S., Environmental and Occupational Health, 1999.
School of Public Health, Shanghai Medical University, China

M.D., 1996.
Jiangxi Medical College, Nanchang, China

AWARDS

Science and Technology Award, Shanghai Association of Medicine (2004)
Teaching Award, Shanghai Education Committee (2004)
Young Teacher Award, Fudan University (2003)
Medical Education Scholarship of the United Laboratories, Fudan University (2002)
Su Delong Preventive Medicine Scholarship, Shanghai Medical University (1999)
Huazang Scholarship, Shanghai Medical University (1997)

RESEARCH EXPERIENCE

Visiting Fellow

Epidemiology Branch, National Institute of Environmental Health Science (4/2007-present)

- in utero smoking exposure and female's fertility and pregnancy loss in MoBa,
- biomarkers of maternal exposure to organophosphate pesticides, bisphenol A, and phthalates
- PCBs congener ratios and CYP1A2 activity

Postdoctoral Fellow

National Exposure Research Laboratory, U.S. Environmental Protection Agency (4/2006-4/2007)

- Developed LC/MS/MS method for measuring perfluorinated compounds in fish samples
- Measured fish samples to support ecological and human exposure assessment
- Prepared 2 manuscripts

Assistant Director

Sino-US Joint Clinical and Molecular Laboratory and Shanghai Benzene Project, Fudan University, Shanghai, China (5/2001-4/2006)

- Academic responsibilities

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- Worked with senior epidemiologists and industrial hygienists to develop questionnaires, assess patients' exposure in diseases progression and case-control studies of acute myeloid leukemia(AML) and Non-Hodgkin's Lymphoma(NHL)
- Co-investigator of molecular epidemiology study on benzene exposed workers (exposure and genetic susceptibility biomarkers)
- Administrative responsibilities
 - Research staff recruitment and training
 - Budget management
 - Coordinated patients enrollment (working with doctors) and workers enrollment (working with factory managers and local government's health department)
 - Communicated with bioethical committee (IRB)

Faculty Member (Instructor/Lecturer)

Department of Preventive Medicine, School of Public Health, Fudan University, Shanghai, China (9/1999-4/2006)

- Independent Research Projects (as Principle Investigator)
 - Epidemiology study on interaction of TNF-a haplotype and benzene exposure and Non-Hodgkin's Lymphoma (NHL). 2006-2007 (Terminated in 4/2006), Department of Health, Shanghai Municipal City Government, China.
 - Yuyao birth cohort study on environmental chemical exposure and reproductive and neurodevelopmental outcomes. 2005-2008 (Relinquished in 4/2006) , Yuyao Center of Disease Prevention and Control, Zhejiang Provincial Government, China.
 - Health risk assessment of mercury exposure from dental amalgam. 2002-2005, Department of Health, Xuhui District Government, Shanghai, China.
 - Healthy expectancy of aged population in Jinan, Shanghai. 2002-2003, Department of Health, Jinan District Government, Shanghai, China.
 - Molecular epidemiology study on single nucleotide polymorphisms (SNPs) of ALAD and VDR genes and susceptibility of lead toxicity in workers. 2000-2003, Department of Health, Shanghai Municipal Government, China.

Graduate Research Assistant (9/1996-7/1999)

School of Public Health, Shanghai Medical University, Shanghai, China

- M.S. dissertation: Retrospective cohort study on cancer mortality among lead exposed workers.
- Community Intervention of Stroke in Shanghai: supported questionnaire design, database and field work

Intern in ShangGao Hospital, Jiangxi, China (7/1995-12/1995)

- Clinical intern in internal medicine

RESEARCH SKILLS

- Epidemiology: designs and executes of studies (cohort, case control, and cross-sectional studies); environmental epidemiology of cancer, reproductive and developmental outcomes; epidemiological data analysis (large dataset, complex survey)

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- Statistical software: SAS, STATA, SPSS, Epi Info
- Molecular genetic analysis: PCR-based genotyping, Western blotting, DNA damage test(Comet assay)
- Chemical analysis: GC/MS and LC/MS/MS

TEACHING EXPERIENCE

- Courses taught: Preventive Medicine (environmental medicine section), Community Health, and Human Health Risk Assessment
- Mentored 8 medical students' short-term research projects
- Mentored 3 master candidates (Xu Xiang, Qian Haojun, Gu Weidong) and 1 doctoral candidate (He Yonghua) as a committee member

REVIEWERS FOR JOURNALS

Environmental Health Perspectives
Occupational and Environmental Medicine
Annals of Epidemiology
Science of the Total Environment

PUBLICATIONS (SELECTED)

1. **Xibiao Ye**, Frank H. Pierik, Russ Hauser, Susan Duty, Jürgen Angerer, Melissa M. Park, Alex Burdorf, Albert Hofman, Vincent W.V. Jaddoe, Johan P. Mackenbach, Eric A.P. Steegers, Henning Tiemeier, Matthew P. Longnecker. Urinary metabolite concentrations of organophosphorous pesticides, bisphenol A, and phthalates among pregnant women in Rotterdam, the Netherlands: The Generation R Study. (submitted).
2. **Xibiao Ye**, Edward F. Fitzgerald, Marta I. Gomez, George H. Lambert, Matthew P. Longnecker. The ratio of specific polychlorinated biphenyls as a surrogate biomarker of CYP1A2 activity— a pharmaco-metabonomic study in humans. (submitted).
3. **Xibiao Ye**, Heiko L. Schoenfuss, Nathan D. Jahns, Amy D. Delinsky, Mark J. Strynar, Jerry Varns, Shoji Nakayama, Larry Helfant, and Andrew B. Lindstrom. Perfluorinated compounds in common carp (*Cyprinus carpio*) filets from the Upper Mississippi River. (submitted).
4. **Xibiao Ye**, Mark J. Strynar, Shoji Nakayama, Jerry Varns, Larry Helfant, James Lazorchak and Andrew B. Lindstrom. Perfluorinated compounds in whole fish homogenates from the Ohio, Missouri, and Upper Mississippi Rivers, USA. (submitted).
5. **Xibiao Ye**, Haojun Qian, Peicheng Xu, Lin Zhu, Matthew P. Longnecker, Hua Fu. Mercury exposure, neurotoxicity, and nephrotoxicity among children with and without dental amalgam fillings.(In preparation).

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6. **Xibiao Ye**, Tee Guidotti, Hua Fu. Environmental exposure and children's health in China. Arch Environ Occup Health. (in press).
7. Ling Lv, Patrick Kerzic, Guowe Lin, Robert Schnatter, Liming Bao, Yongcheng Yang, Hejian Zou, Hua Fu, **Xibiao Ye**, Sherilyn Gross, Thomas Armstrong, Richard Irons. The TNF- α 238A polymorphism is associated with susceptibility to persistent bone marrow dysplasia following chronic exposure to benzene. Leuk Res, 2007, 31(11): 1479-85.
8. **Xibiao Ye**, Otto Wong. Lead exposure, lead poisoning, and lead regulatory standards in China, 1990-2005. Regul Toxicol Pharmacol, 2006, 46(3):157-162.
9. Laiming Wang, Yimei Zhou, Youxin Liang, Otto Wong, Thomas Armstrong, Robert Schnatter, Qiangeng Wu, Jinbin Fang, **Xibiao Ye**, Hua Fu, Richard Irons. Benzene exposure in the shoemaking industry in China: a literature survey, 1978–2004. Regul Toxicol Pharmacol, 2006, 46(3):149-156.
10. Richard Irons, Ling Lv, Sherilyn Gross, **Xibiao Ye**, Liming Bao, Xiaoqing Wang, John Ryder, Thomas, Yimei Zhou, Lizhuang Miao, AT Le, Patrick Kerzic, Weimin Ni, Hua Fu. Chronic exposure to benzene results in a unique form of dysplasia. Leuk Res. 2005, 29(12):1371-1380.
11. Youxin Liang, Otto Wong, Thomas Armstrong, Xibiao Ye, Lizhuang Miao, Yimei Zhou, Qiangeng Wu, Haojun Qian, Hua Fu. An overview of published benzene exposure data by industry in China, 1960-2003. Chem Biol Interact. 2005, 153-154:55-64.
12. **Xibiao Ye**, Otto Wong, Hua Fu. World at work: health hazards of foot massage industry in China. Occup. Environ Med. 2005;62:902–904.
13. **Xibiao Ye**, Shuiliang Yang, Cuie Wu, Yiwen Lu, Weimin Ni, Hua Fu. Associations of blood lead levels, kidney function and blood pressure with δ -aminolevulinic acid dehydrates and vitamin D receptor gene polymorphisms. Toxicology Mechanisms and Methods, 2003, 13:139-147.
14. **XiBiao Ye**, Hua Fu, Jin-liang Zhu, Weimin Ni, Shuiliang Yang. A study on oxidative stress (DNA damage) in workers exposed to lead. J Toxicol Environ Health. 1999, 56(A):161-172.

INVITED TALKS

- Longitudinal birth cohort studies in understanding children's environmental health. 2005 Shanghai International Pediatric Forum-Children's Environmental Health Satellite Meeting, Shanghai, Jun, 2005.
- Associations between polymorphisms of δ -aminolevulinic acid dehydratase and vitamin D receptor genes and lead toxicity. International Society of Environmental Epidemiology Conference, New York, Aug, 2004.

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- Biomarkers in environmental and occupational epidemiology. 13th National Occupational Health Conference, Chongqing, China, 2003.