

TAB 22: NATIONAL INSTITUTES OF HEALTH



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

National Institutes of Health
Bethesda, Maryland 20892

www.nih.gov

January 15, 2004

NOTE TO ERIKA ELVANDER

SUBJECT: NIH Input for China report to Congress

This is in response to the OGHA request for information on NIH activities involving Chinese scientists per the State Department inquiry of 12/1/03.

NIH has a long history of conducting collaborative biomedical research with Chinese scientists. NIH research activities are funded following a rigorous, competitive, scientific, peer-review process. Many of these activities are collaborative, with U.S. and Chinese scientists acting as partners. To support overall USG objectives with China, NIH routinely reports activities under the S&T agreement, but these efforts would normally proceed even without an agreement.

Attached is the NIH China "country page" which lists formal agreements and short narratives on the individual research projects, sorted by the NIH component that provides funds. The listing of grants and contracts provides additional detail, with project numbers, titles, domestic and foreign principal investigator (PI), and institutions.

Also included is a list of visitors to the NIH campus, with titles and institutional affiliation, during CY 03.

The memo called for projections on activities in the coming year. Given that NIH employs a peer-review process to determine expenditures, we cannot provide an appropriate figure at this time. It is fair to say that the bulk of NIH's research projects, which are multi-year awards, would still be active in the next FY.

Finally, there are no standards in effect which constrain NIH's cooperation with China.

Please let me or Ms. Minerva Rojo, Director, Division of International Relations, FIC, know if you have any questions.


Sharon Hrynkow, Ph.D.
Acting Director, FIC

CHINA

Agreements:

DHHS-Chinese Ministry of Health MOU on HIV/AIDS

Agreement between the Department of Health and Human Services (DHHS) and the Ministry of Health of the People's Republic of China signed in 2002 to cooperate in the fields of AIDS prevention, research, treatment, and care.

U.S.-China Public Health Agreement

Agreement between DHHS and the Ministry of Public Health of the People's Republic of China to facilitate cooperation in disease control and prevention, public health protection, biomedical research, health services and health policy research, and health administration and finance. In the biomedical research area, NIH participates in exchange of scientists, joint seminars and meetings, and joint research projects.

U.S.-China Science and Technology Agreement

Science and Technology Agreement between the United States and China signed in 1991 and extended subsequently to provide intellectual property rights provisions and to determine the allocation of rights to any discoveries that may derive from cooperation in scientific research and provides for an annual review of major areas of scientific cooperation between the United States and China.

NIH-Chinese Academy of Sciences Agreement

Since 1983, NIH has had an agreement with the Chinese Academy of Sciences (CAS) for cooperation in the basic biomedical sciences. The Fogarty International Center serves as Executive Agent for the U.S. side and the Bureau of Foreign Affairs, CAS, for the Chinese side.

NIH Activities:

NHLBI: *National Heart, Lung, and Blood Institute*

The University of North Carolina and the CDC are conducting joint population studies involving scientists at on cardiovascular and pulmonary diseases and their risk factors have been ongoing since 1983. A fourth round of studies began in the fall of 1998.

Harvard and Beijing Medical University are studying the genetics of hypertension and its intermediate phenotypes. *Fiscal Years 2000-2004*

The University of Washington and the PLA General Hospital are performing a measurement of Atherosclerotic Plaques in MRI. *Fiscal Years 2002-2004*

The Tulane School of Public Health and the Chinese Academy of Medical Sciences are conducting a genetic epidemiological study of a blood pressure intervention. *Fiscal Years 2002-2005*

Harvard School of Public Health and Anhui University are conducting a genomewide search for loci associated with metabolic syndrome. *Fiscal Years 2003-2007*

NIAID: *National Institute of Allergy and Infectious Diseases*

The Chinese Academy of Preventive Medicine is studying the genetic diversity of emerging helminthiases in China. *Fiscal Years 1997-2006*

The Johns Hopkins University and the National Center for AIDS Prevention and Control, Beijing have established an HIV Prevention Trials Network (HPTN) site in China. *Fiscal Years 2000-2004*

A Johns Hopkins University HIV Vaccine Trial Unit has been established in China in cooperation with the Guangxi Health and Anti-epidemic Center. *Fiscal Years 2000-2004*

The University of California, Berkeley and the Sichuan Institute of Parasitic Disease are collaborating on a project involving the use of remote sensing technology to detect ecological changes that alter the habitat of the snails that transmit schistosomiasis to humans. *Fiscal Years 2002-2006*

The National Center for AIDS/STD Prevention and Control is building capacity to support their Integrated Program for Research on AIDS. *Fiscal Years 2002-2007*

Vanderbilt University Medical Center and Shanghai Cancer Institute are examining dietary antioxidants in relation to the incidence of adult-onset asthma. *Fiscal Years 2003-2007*

Massachusetts General Hospital and the National Center for AIDS/STD Control and Prevention have a contract to collaborate on HLA typing and epitope mapping relative to HIV vaccine design. *Fiscal Years 2003-2007*

Fred Hutchinson Cancer Research Center, the Center for Disease Control and Prevention of Yunnan, and the Chinese Academy of Medical Sciences are establishing and expanding a network of international sites in order to recruit volunteers for HIV vaccine trials and related studies. *Fiscal Year 2003*

NCCAM: *National Center for Complementary and Alternative Medicine*

The University of Maryland and the Chinese University of Hong Kong are studying functional bowel disorders and Chinese medicine. *Fiscal Years 2003-2004*

Harvard Medical School, Peking Union Medical College, Chinese University of Hong Kong, and the China Academy of Traditional Chinese Medicine are establishing a US-China-Japan research consortium on herbal medicines. *Fiscal Years 2003-2004*

Rosenthal Center for CAM, University of Hong Kong, and Fudan University are establishing a Center for Traditional Chinese Medicine and Women's Health. *Fiscal Years 2003-2004*

The University of Texas, Fudan University, and the Shanghai University of Traditional Chinese Medicine are establishing an International Center of Traditional Chinese Medicine for Cancer. *Fiscal Year 2003*

Mount Sinai School of Medicine and Shenyang Pharmaceutical University are evaluating the therapeutic effect of boswellin in prostate cancer. *Fiscal Years 2004-2005*

NCI: *National Cancer Institute*

Vanderbilt University and Shanghai Cancer Institute are conducting a study of cancer risk reduction and diet in a cohort of women. *Fiscal Years 1996-2007*

University of Wisconsin is collaborating with scientists at two Chinese cancer clinics and four hospitals in Vietnam to conduct a phase III randomized controlled trial of treatments to improve prognosis in women with pre-menopausal breast cancer. *Fiscal Years 1998-2005*

Rutgers University and Henan Medical University researchers are studying the mechanisms of human esophageal carcinogenesis. *Fiscal Years 2000-2004*

Vanderbilt University Medical Center and the Shanghai Cancer Institute are researching the relationship between soyfood, gene polymorphisms, and endometrial cancer risk. *Fiscal Years 2001-2005*

Vanderbilt University Medical Center and the Shanghai Cancer Institute are performing a cohort study of cancer-inhibitory dietary factors in men. *Fiscal Years 2001-2005*

Vanderbilt University and the Shanghai Cancer Institute are continuing studies on breast cancer. *Fiscal Year 2001-2005*

The University of North Carolina and Kaohsiung Medical College, Shanghai Medical University are researching plant anti-tumor agents. *Fiscal Years 2001-2004*

Westat, Inc. and the Chinese Academy of Preventative Medicine are performing interdisciplinary studies of occupational and environmental cancer. *Fiscal Years 2002-2004*

USC/Norris Comprehensive Cancer Center and the Shanghai Cancer Institute are examining dietary factors in the etiology of cancer in Shanghai. *Fiscal Years 2002-2007*

Westat, Inc. and Beijing Cancer Hospital are working to provide support services for biostatistical and etiologic studies. *Fiscal Years 2002-2004*

Fox Chase Cancer Center and the Anti-Epidemic Station are studying the molecular epidemiology of hepatocellular carcinoma. *Fiscal Years 2002-2007*

Vanderbilt University and Shanghai Cancer Institute are examining cancer risk reduction through diet in a cohort of women. *Fiscal Years 2003-2007*

Johns Hopkins University and Qidong Liver Cancer Institute are assessing the chemopreventive efficacy of broccoli sprouts. *Fiscal Years 2003-2004*

Texas Tech University and Guangxi Cancer Institute are studying the chemopreventive efficacy of green tea polyphenol on liver cancer. *Fiscal Years 2003-2007*

The University of Southern California and Shanghai Cancer Institute are studying dietary factors in the etiology of colorectal cancer. *Fiscal Years 2004-2008*

NIDA: *National Institute on Drug Abuse*

Old Dominion University and Yunnan Normal University are conducting a community-based study of mobility, drug use and AIDS. *Fiscal Years 2000-2004*

Johns Hopkins University and the Guangxi Center for HIV/AIDS Prevention and Control scientists are studying the viral and host factors of HIV transmission and pathogenesis. *Fiscal Years 2000-2004*

The Hispanic Health Council and Jiangmen Health and Anti-Epidemic Station are examining the sociocultural factors in syringe sharing and HIV risks. *Fiscal Years 2002-2004*

ABT Associates, Inc. and the Guangxi Center for HIV/AIDS Prevention and Control are working to prevent the spread of HIV across the border between China and Vietnam. *Fiscal Years 2002-2006*

Johns Hopkins University and the Guangxi Hygiene and Anti-Epidemic Center are studying the implications of HIV in low HCV clearance in Chinese drug users. *Fiscal Years 2003-2007*

NIEHS: *National Institute of Environmental Health Sciences*

The University of California, Berkeley and the Chinese Academy of Preventive Medicine in Shanghai are collaborating to study toxic substances in the environment and their effect on sperm and semen quality. *Fiscal Years 2000-2005*

Johns Hopkins University and the Shanghai Cancer Institute are identifying the molecular biomarkers for environmental carcinogens. *Fiscal Years 2002-2007*

Harvard School of Public Health, Anhui Medical University and Peking University Medical Science Center are studying the links between genes, pesticides, and reproductive health. *Fiscal Years 2003-2006*

The University of California and the Chinese Center for Disease Control and Prevention

NICHD: *National Institute of Child Health and Human Development*
Population Research Center and Renmin University are continuing their investigation of Chinese health and family behavior. *Fiscal Years 1998-2004*

The University of North Carolina and the Institute of Nutrition and Food Hygiene, Beijing are monitoring the health, reproduction, and aging aspects of social change. *Fiscal Years 2000-2007*

Michigan State University and the Wolong Nature Reserve (the largest reserve for endangered giant pandas) are studying the relationships between human population and the environment. *Fiscal Years 2001-2005*

The University of Utah and the Tibet Medical College are developing a self-sustaining perinatal care system for Tibet/Global Network for Women's and Children's Health Research. *Fiscal Years 2001-2005*

Queens College/CUNY and Xiamen University are collaborating on a China international migration project. *Fiscal Years 2001-2004*

The University of Alabama at Birmingham and Nanjing University are studying involuntary migration associated with the Three Gorges Dam. *Fiscal Years 2002-2006*

NIDCR: *National Institute of Dental and Craniofacial Research*
The University of California and Peking Union Medical College Hospital are collaborating on an international research registry network for Sjogren's Syndrome. *Fiscal Years 2003-2007*

Johns Hopkins University, Peking University, and Peking Union Medical College are identifying genes that cause oral clefts. *Fiscal Years 2004-2008*

National Eye Institute

The University of Nebraska and the Sichuan Provincial People's Hospital are studying protein-thiol mixed disulfide in cataractogenesis. *Fiscal Years 2003-2006*

National Institute on Aging

Harvard School of Public Health and the Chinese Academy of Preventive Medicine, Beijing are collaborating on a multi-site project to strengthen the methodological and empirical basis for creating summary measures of a population's health is underway with the participation of researchers from the *Fiscal Years 2000-2004*

The University of Utah and the University of Science and Technology of China are studying the degradation of the cortical function in monkeys. *Fiscal Years 2002-2007*

Duke University and Peking Union Medical College Hospital are creating population models of factors affecting health trends. *Fiscal Years 2002-2004*

Indiana University and the Chinese Academy of Preventive Medicine are studying selenium levels and cognitive decline in rural elderly Chinese. *Fiscal Years 2003-2007*

Research Triangle Institute and Peking Union Medical College Hospital are examining the incidence and risk factors of dementia. *Fiscal Years 2004-2005*

- NIAMS:** *National Institute of Arthritis and Musculoskeletal and Skin Diseases*
Harvard School of Public Health and Anhui Medical University have undertaken a study to identify human genes responsible for osteoporosis. *Fiscal Years 2000-2004*
- NIDCD:** *National Institute of Deafness and Other Communication Disorders*
Purdue University and the University of Hong Kong are studying morphological deficits in specific language impairment are being studied by scientists at. *Fiscal Years 2000-2004*
- The University of Chicago and the Affiliated Hospital of Nanjing Medical University and are studying spontaneous sign systems in four cultures. *Fiscal Years 2001-2005*
- Children's Hospital Medical Center and the Chinese PLA General Hospital are studying the molecular mechanism of aminoglycoside ototoxicity, a disease that can cause severe hearing loss. *Fiscal Years 2002-2007*
- Ohio State University and Chinese University of Hong Kong are conducting a cross-language investigation of phonological developments. *Fiscal Years 2003-2007*
- NIMH:** *National Institute of Mental Health*
Massachusetts Mental Health Center and the Institute of Mental Health are conducting a genetic linkage study of schizophrenia. *Fiscal Years 2002-2006*
- University of Rochester and Beijing Hui Long Guan Hospital are examining planned and unplanned suicide behavior in China. *Fiscal Years 2003-2004*
- UCLA Neuropsychiatric Institute and the China Center for Disease Control and Prevention are evaluating HIV-related stigma among service providers in China. *Fiscal Years 2003-2005*
- West Virginia University Research Corp. and Beijing Normal University are collaborating on HIV/STD prevention among high-risk women. *Fiscal Year 2003*
- The University of Illinois and Beijing Normal University are studying the roles of self-construal in well-being. *Fiscal Years 2004-2008*
- The University of California and the National Center for AIDS/STD Control and Prevention are collaborating on a neurocognitive assessment of HIV-infected individuals in China. *Fiscal Year 2004*
- NINDS:** *National Institute of Neurological Disorders and Stroke*
The University of California at Los Angeles and Fu Wai Hospital are assessing the role of magnesium in acute stroke. *Fiscal Years 2002-2007*
- NIDDK:** *National Institutes of Diabetes and Digestive and Kidney Diseases*
Children's Hospital Corporation and Shanghai Second Medical University are collaborating on hematopoietic cell lineage genome anatomy projects. *Fiscal Years 2002-2004*
- Tufts University and the Chinese Academy of Preventive Medicine are studying the retinal equivalence of plant carotenoids in children. *Fiscal Years 2003-2006*
- NIAAA:** *National Institute on Alcohol Abuse and Alcoholism*
The Center for Psychiatric Rehabilitation, the Chinese Academy of Sciences, Beijing Normal University, and Hong Kong Polytechnic University are examining stigma and behavioral health in urban employers. *Fiscal Years 2003-2007*

FIC: *Fogarty International Center*
A Fogarty International Research Collaboration Award (FIRCA) awarded to The Laboratories for Reproductive Biology and Fudan University to study specific proteins for a male contraceptive. *Fiscal Years 2002-2004*

FIRCA to the Georgia Institute of R+ Technology and the Chinese Academy of Science to conduct a kinetic analysis of PSGL-1 molecule. *Fiscal Years 2002-2005*

International Tobacco and Health Research and Capacity Building Program (Tobacco) award to the University of California at Berkeley and Fudan University are involved in tobacco control policy analysis and intervention evaluation. *Fiscal Years 2002-2007*

Global Health Research Initiative Program for New Foreign Investigators (GRIP) award to the University of Hong Kong to study mitotic checkpoint and genomic stability in ovarian cancer. *Fiscal Years 2002-2006*

GRIP award to the Chinese Center for Disease Control and Prevention to conduct a childhood obesity survey. *Fiscal Years 2002-2006*

Tobacco award to Johns Hopkins University and the Chinese Academy of Preventive Medicine to conduct epidemiology and intervention research for tobacco control. *Fiscal Years 2002-2006*

AIDS FIRCA to Georgetown University and Peking University First Hospital to examine two-component signaling in candidiasis and aspergillosis. *Fiscal Years 2003-2005*

FIRCA to Wake Forest University and Peking University to study sensorimotor processes. *Fiscal Years 2003-2005*

FIRCA to Mount Sinai School of Medicine and Hebei Medical University to study protein kinase C-dependent inhibition of Kir channels. *Fiscal Years 2003-2005*

Stigma and Global Health Research Program (Stigma) award to West Virginia University Research Corporation and Beijing Normal University to study social stigma and mental health symptoms among migrant workers. *Fiscal Years 2003-2005*

Stigma award to Beijing Neurosurgical Institute to develop approaches to reduce the stigma of epilepsy. *Fiscal Years 2003-2004*

Brain Disorders in the Developing World (Brain Disorders) award to Johns Hopkins University and Peking University to conduct epidemiological research on autism in China. *Fiscal Years 2003-2005*

Brain Disorders award to Zhejiang University to study cognitive-brain phenotyping of atypical Chinese children. *Fiscal Years 2003-2005*

AIDS FIRCA to Indiana University and Chinese Center for Disease Control and Prevention to investigate the mechanisms of host response in gonorrhea. *Fiscal Years 2004-2006*

Roswell Park Cancer Institute and Southeast University Medical School are collaborating on studies of hepatocellular carcinoma. *Fiscal Years 2004-2006*

Support of Chinese scientists under The International Collaborative Genetics Research Training Program at Johns Hopkins University to build a critical mass of scientists, health professionals and academics with human genetics expertise and a sustainable research environment.

Support of Chinese scientists under the International Training and Research in Population and Health Programs at the University of North Carolina at Chapel Hill, the University of Michigan Population Studies Center, the University of Virginia to study issues such as the reproductive processes, contraceptive development, contraceptive and reproductive evaluation, reproductive epidemiology, and social and behavioral factors that influence population dynamics.

Support of Chinese scientists under the AIDS International Training and Research Program (AITRP) at UCLA, the University of California at Berkeley, Yale University, the University of North Carolina, and Johns Hopkins University, and the University of Alabama at Birmingham to build multi-disciplinary biomedical and behavioral research capacity for the prevention of HIV/AIDS-related infections and for the integration of prevention with therapy and care for those adults and children affected by HIV/AIDS.

Support of Chinese scientists under the International Training and Research Program in Environmental and Occupational Health (ITREOH) at the California Department of Health Services for training in areas such as cancer epidemiology, toxicology, occupational medicine, and environmental epidemiology.

Support of Chinese scientists under the International Bioethics Education and Career Development Award Program at Peking University Health Science Center to work with collaborators from the University of Chicago, Yale University, the University of California San Francisco, and the University of Minnesota on a two-year planning program.

Support of Chinese scientists under the International Maternal and Child Health Research and Training Program (IMCHRT) at the Harvard School of Public Health to increase expertise of scientists in developing countries in maternal and child health related biomedical, behavioral, and prevention research.

Support of Chinese scientists under the Minority International Research Training (MIRT) Program at the University of Maryland for research training in HIV/AIDS research (epidemiology, immunology, molecular biology, public health, vaccine development, virology), bioethics, biophysics-neuroscience, cardiovascular, epidemiology/public health, oncology, pharmacology, vaccinology; Winston-Salem State University for research training in biochemistry and molecular biology; the University of Michigan for research training in disparities in child health and development; SUNY for research training in neurobiology.

Support of Chinese scientists under the International Training and Research Program in Emerging Infectious Diseases (ITREID) at the University of Virginia for research training in enteric infections and clinical tropical medicine.

Support of Chinese scientists under the International Clinical, Operational, and Health Services Research and Training Award for AIDS and Tuberculosis (ICOHRTA) at the University of Rochester for training in suicide research; at Stanford University for training in aging research; and Harvard University for training in mental health research.

Support of Chinese scientists under an ICOHRTA-AIDS/TB at the Chinese Center for Disease Control and Prevention for training in integrated clinical, operational, and health services research across the full range of conditions and issues that relate to care of adult and pediatric patients with HIV/AIDS or TB (e.g., opportunistic infections, HIV malignancies, neurological and mental health consequences, behavioral issues, cardiovascular disease, hematologic conditions, blood safety issues, pulmonary manifestations, ophthalmologic manifestations, gastrointestinal conditions, drug and alcohol usage, gender-related issues and oral health manifestations).

NIH Support (\$000)	FY 2001		FY 2002		FY 2003 (Preliminary)	
	No.	\$	No.	\$	No.	\$
Research Grants	2	370	5	3,832	4	4,339
Research Contracts	3	496	2	271	2	287
Foreign Components of Domestic Awards	51	4,850	68	7,700	85	8,800
Visiting Program	433	13,151	456	14,267	458	
Guest Researchers	76	0	44	0	66	
Total		18,867		26,070		28,472

* Note: FY = Federal Fiscal Year which covers the period from October 1 through September 30

Revised December 29, 2003

**NATIONAL INSTITUTES OF HEALTH
ORGANIZATIONAL ABBREVIATIONS**

OD	Office of the Director
OAR	Office of AIDS Research
NIA	National Institute on Aging
NIAMD	National Institute of Allergy and Infectious Diseases
NIAMS	National Institute of Arthritis and Musculoskeletal and Skin Diseases
NCCAM	National Center for Complimentary and Alternative Medicine
NCI	National Cancer Institute
NICHD	National Institute of Child Health and Human Development
NIDA	National Institute on Drug Abuse
NIDCD	National Institute on Deafness and Other Communication Disorders
NIDCR	National Institute of Dental and Craniofacial Research
NIDDK	National Institute of Diabetes and Digestive and Kidney Diseases
NIHES	National Institute of Environmental Health Sciences
NEI	National Eye Institute
NIGMS	National Institute of General Medical Sciences
NHLBI	National Heart, Lung and Blood Institute
NINDS	National Institute of Neurological Disorders and Stroke
NLM	National Library of Medicine
NHGRI	National Human Genome Research Institute
NINR	National Institute of Nursing Research
NCRR	National Center for Research Resources
NIMH	National Institute of Mental Health
NIAAA	National Institute on Alcohol Abuse & Alcoholism
FIC	Fogarty International Center
CC	Warren Grant Magnuson Clinical Center
CIT	Center for Information Technology
CSR	Center for Scientific Review
CBER	Center for Biologics Evaluation and Research

- Dr. Shi Xu - Zhejiang Kanglaite Pharmaceutical Company, Hangzhou.
- Dr. Yiyuan Tang - Brain Research Center, Dalian University of Technology, Dalian.
- Dr. Zhihong Xu – President, Beijing University; Vice President, Chinese Academy of Sciences.
- Dr. Yinghua Ma - Institute of Child and Adolescent Health, Peking University.
- Prof. Xiaobo Zheng – President and Professor, Nanjing Agricultural University, Nanjing City.
- Prof. Xuhong Zhou – President and Professor, Chang’an University, Xi’an city, Shaanxi province.
- Mr. Junjie Ma - Deputy Secretary of the Party Committee and Researcher, China Renmin University, Beijing.
- Mr. Haidong Ni - Deputy Secretary of the Party Committee and Senior Economic Administrator, Central University of Finance and Economics, Beijing.
- Prof. Zhaoyang Chen - Vice President and Professor, Hefei University of Technology, Hefei, Anhui province.
- Prof. Dewu Zhao - Vice President and Professor, Southwest University of Finance and Economics, Chengdu city, Sichuan province.
- Prof. Xi Hou - Vice President and Professor, Northwest Sci-Tech University of Agriculture and Forestry, Xi’an city, Shaanxi province.
- Prof. Yong Chen - Vice President and Professor, Xidian University, Xi’an city, Shaanxi province.
- Prof. Yu Fang - Vice President and Professor, Shaanxi Normal University, Xi’an city, Shaanxi province.
- Prof. Dafeng Cai - Vice President and Professor, Fudan University, Shanghai.
- Prof. Shigen Zhu - Vice President and Professor, Donghua University, Shanghai.
- Mr. Guanzhong Lu - Deputy Secretary of the Party Committee & Vice President, East China University of Science and Technology, Shanghai.
- Prof. Cairong Zou - Vice President and Professor, Southeast University, Nanjing city, Jiangsu province.

Prof. Xiexing Miu - Vice President and Professor, China University of Mining and Technology, Xuzhou city, Jiangsu province.

Prof. Youmei Feng - Deputy Secretary of the Party Committee and Professor, Huazhong University of Science and Technology, Wuhan city, Hubei province.

Prof. Zhonghua Zhang - Vice President and Professor, Zhongnan University of Economics and Law, Wuhan city, Hubei province.

Prof. Yaozhong Wang - Deputy Secretary of the Party Committee and Professor, Hunan University, Changsha city, Hunan province.

Mr. Dawei Liu - Deputy Director, Department of University Student Affairs, Ministry of Education, Beijing.

Mr. Xiaoyang Wen – Director and Associate Researcher, Department of Personnel, National Academy of Education Administration, Beijing.

Ms. Yanling Yang – Lecturer, National Academy of Education Administration, Beijing.

Ms. Jun Wang – Director, Liaison Department , China Association for International Exchange of Personnel, Beijing.

Prof. Huang Jiefu - Vice Minister, Ministry of Health.

Dr. Qi Guoming - Director General, Department of Health Science and Education, Ministry of Health.

Prof. Liu Qian - Executive Vice President, Chinese Academy of Medical Sciences.

Mr. Ren Minghui - Deputy Director General, Department of International Cooperation, Ministry of Health.

Ms. Ge Lijun - Director, Division of Bilateral Relations, Department of International Cooperation, Ministry of Health.

Mr. Liu Qian - Secretary to Vice Minister Huang Jiefu.

Mr. Guanjian - Second Secretary, Department of Foreign Affairs Management, Ministry of Foreign Affairs.

Mr. Liu Chengjun - Section Chief, Division of U.S. Affairs, Department of American and Oceania Affairs, Ministry of Commerce.

Mr. Zhu, Baoduo – Director, Foreign Loan Office Ministry of Health.

Ms. Huang, Wenying - Deputy Director, Division of Finance, Foreign Loan Office
Ministry of Health.

Mr. Lei, Zhenglong - Deputy Director, Division of Vaccine Preventable Disease,
Department of Disease Control, Ministry of Health.

Ms. Lian, Jie - Consultant, Department of Disease Control, Ministry of Health.

Mr. Li, Zhaocheng - Deputy director, General Office, Department of Personnel, Ministry
of Health.

Mr. Feng, Zijiang - Deputy director, National Immunization Program, China Center for
Disease Control and Prevention.

Ms. Guo, Biao - Assistant Researcher - National Immunization Program, China Center
for Disease Control and Prevention.

Mr. Yuan, Xusheng - Deputy director, Shanxi Provincial Health Bureau.

Mr. Guan Lianxin - Deputy director, Shanxi Provincial Center for Disease Prevention and
Control.

Mr. Zhang, Xin - Group leader, Shaanxi Provincial Health Bureau.

Mr. Wang, Junjie - Assistant, Division of Disease Control, Shaanxi Provincial Health
Bureau.

Mr. Li, Peng - Principal Staff Member, Shaanxi Provincial Bureau of Finance.

IC	FIC Number	Foreign_Act	Title	PI
China				
Project Number: 1 K23 NS2088-01				
NINDS	02-256B	DOMESTIC WITH FOREIGN COMPONENT	MR Assessment of Magnesium in Acute Stroke	Kidwell, Chelsea Lisheng, Liu
Project Number: 1 P01 AG17937-03S2				
NIA	02-771	DOMESTIC WITH FOREIGN COMPONENT	Population Models of Factors Affecting Health Trends	Manton, Kenneth G. Zhang, Zhenxin
Project Number: 1 R01 AA014842-01				
NIAAA	03-647	DOMESTIC WITH FOREIGN COMPONENT	Stigma and Behavioral Health in Urban Employers from China and the US	Corrigan, Patrick Jin, Shenghua Shi, Ken Tsang, Hector
Project Number: 1 R01 AI50612-01				
NIAID	02-228	DOMESTIC WITH FOREIGN COMPONENT	Local Strategies for Schistosomiasis Control	Dongchuan, Qiu Spear, Robert C.
Project Number: 1 R01 AI50884 -01A2				
NIAID	03-409	DOMESTIC WITH FOREIGN COMPONENT	Dietary Antioxidants and Incidence of Adult-onset Asthma	Hartert, Tina Gao, Yu-Tang
Project Number: 1 R01 CA90997 -01A2				
NCI	03-257	DOMESTIC WITH FOREIGN COMPONENT	Chemoprevention of Green Tea Polyphenol on Liver Cancer	Zhang, Li-Sheng Wang, Jia-Sheng
Project Number: 1 R01 DA14703-01				
NIDA	02-038 B	DOMESTIC WITH FOREIGN COMPONENT	Cross-Border HIV Prevention Project: China and Vietnam	Hammitt, Theodore Liu, Wei
Project Number: 1 R01 DA16540 -01A1				
NIDA	03-639	DOMESTIC WITH FOREIGN COMPONENT	Implications of HIV in Low HCV Clearance in Chinese IDUs	Yu, Xiao-Fang Yang, Jinye
Project Number: 1 R01 DC5230-01A1				
FIC Number	Foreign_Act		PI	PI Institution

China

Project Number: 1 R01 DC5230-01A1				
NIDCD	02-544	DOMESTIC WITH FOREIGN COMPONENT	Molecular Mechanism of Aminoglycoside Ototoxicity	Guan, Xin-Min Young, Wleyen
Project Number: 1 R01 DK60021-01A1				
NIDDK	03-083	DOMESTIC WITH FOREIGN COMPONENT	Retinal Equivalence of Plant Carotenoids in Children	Tang, Guangwen Yin, Shi-an
Project Number: 1 R01 ES11682-01				
NIEHS	01-476	DOMESTIC WITH FOREIGN COMPONENT	DDE, Endocrine Disruption and Reproductive Outcomes	Wang, Lihua Wang, Xiaobin
Project Number: 1 R01 HD40243-01A1				
NICHD	02-285	DOMESTIC WITH FOREIGN COMPONENT	Involuntary Migration in China's Three Gorges	Feng, Xiaotian Hwang, Sean-Shong
Project Number: 1 R01 HL73882 -01				
NHLBI	03-334	DOMESTIC WITH FOREIGN COMPONENT	Genomewide Search for Loci Underling Metabolic Syndrome	Xu, Xin Zang, tonghua
Project Number: 1 R01 MH070931-01				
NIMH	03-820	DOMESTIC WITH FOREIGN COMPONENT	HIV-related Stigma among Service Providers in China	Wu, Zunyou Li, Li
Project Number: 1 R01 TW005938-01				
FIC	02-341	DOMESTIC WITH FOREIGN COMPONENT	Tobacco Control Policy Analysis and Intervention Evaluation in China	Hu, TehWei Mao, Zhengzhong
Project Number: 1 R01 TW005974-01				
FIC	02-748C	DOMESTIC WITH FOREIGN COMPONENT	Epidemiology and Intervention Research for Tobacco Control	Samet, Jonathan Gonghuan, Yang
Project Number: 1 R01 TW006020-01A1				
FIC	03-182	DOMESTIC WITH FOREIGN COMPONENT	Protein Kinase C-Dependent inhibition of Kir Channels	Logothetis, Diomedes E Zhang, Hallin
IC	FIC Number	Foreign_Act	Title	PI Institution

China

Project Number: 1 R03 DA14705-01

NIDA	02-037	DOMESTIC WITH FOREIGN COMPONENT	Sociocultural Factors in Syringe Sharing and HIV Risks	Li, Jiang Hong Lin, Peng Zhong, Wenlong
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Project Number: 1 R03 MH68425 -01

NIMH	03-481	DOMESTIC WITH FOREIGN COMPONENT	Unplanned and Planned Suicide Behavior In China	Phillips, Michael F Conner, Kenneth
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Project Number: 1 R03 TW01490-01 A1

FIC	02-008	DOMESTIC WITH FOREIGN COMPONENT	Epididymis Specific Proteins for Male Contraceptive	French, Frank Zhang, Yong-Lian
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Project Number: 1 R03 TW05774-01

FIC	02-009	DOMESTIC WITH FOREIGN COMPONENT	Kinetic Analysis of PSGL-1 Molecule	Long, Mian Zhu, Cheng
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Project Number: 1 R03 TW06020 -01A1

FIC	03-182	DOMESTIC WITH FOREIGN COMPONENT	Protein Kinase C-Dependent Inhibition of Kir Channels	Logothetis, Dione Zhang, Hailin
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Project Number: 1 R03 TW06144-01

FIC	03-073	DOMESTIC WITH FOREIGN COMPONENT	Effects of DBS on Sensorimotor Processes	Jing-Yu, Chang Luo, Fei
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Project Number: 1 R21 AT001943-01

NCCAM	03-715	DOMESTIC WITH FOREIGN COMPONENT	Functional Bowel Disorders in Chinese Medicine	Berman, Brian Sung, Joseph
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Project Number: 1 R21 AT001957-01

IC	FIC Number	Foreign_Act		PI Institu
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China

Project Number: 1 R21 AT001957-01

NCCAM	03-746	DOMESTIC WITH FOREIGN COMPONENT	Center for Traditional Chinese Medicine and Women's Health	Guí, Sulqi
				Ho, P.C
				Kung, Annie
				Kronenberg, Fre

Project Number: 1 R21 AT001979-01

NCCAM	03-745A	DOMESTIC WITH FOREIGN COMPONENT	US-China-Japan Research Consortium on Herbal Medicines	Chen, Ke-Ji
				Leung, P.C
				Rui, Han
				Guo, Shi Shan
				Eisenberg, Davi

Project Number: 1 R21 AT001984-01

NCCAM	03-697	DOMESTIC WITH FOREIGN COMPONENT	International Center of TCM for Cancer	Cohen, Lorenzo
				Liu, Luming
				Shang, Li

Project Number: 1 R21 CA94683-01

NCI	01-569	DOMESTIC WITH FOREIGN COMPONENT	Validation of Fumonism In Microcystin Biomarkers	Qian, Geng-Sun
				Shen, Qijun
				Su, Jian-Jia
				Wang, Jia-Shen

Project Number: 1 R21 CA94743-01

NCI	01-571	DOMESTIC WITH FOREIGN COMPONENT	Validation of PAH Biomarkers for Quantifying Cancer Risk	Wei, Fusheng
				Zhang, Junfeng

Project Number: 1 R21 CA98485 -01

NCI	03-220	DOMESTIC WITH FOREIGN COMPONENT	Chemopreventive Efficacy of Broccoli Sprouts In Humans	Kensler, Thomas
				Chen, Jian-Gou

10/20/2023

IC	FIC Number	Align_Act	PI	PI Institution
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China

Project Number: 1 R21 TW006697-01

FIC 03-830 DOMESTIC WITH FOREIGN COMPONENT Epidemiological Research on Autism in China

Wang, Hong
Newschaffer,

Project Number: R21 TW006712-01

FIC 03-828 DOMESTIC WITH FOREIGN COMPONENT Epidemiological Trends of Dementia in Regions of China

Zhang, Zhen
Zahner, Gwe

Project Number: 1 R21 TW06375 -01

FIC 03-535 DOMESTIC WITH FOREIGN COMPONENT Social Stigma and Mental Health Symptoms Among Migrant Workers in China

Li, Xiaoming
Yi, Fang Xiao

Project Number: 1 U01 AI46747-04

NIAID 03-800 DOMESTIC WITH FOREIGN COMPONENT HIV Vaccine Trials Network Discretionary Fund

Corey, Larry
Lin, Lu
Qian, Liu

Project Number: 1 U01 DK63328-01

NIDDK 02-688A DOMESTIC WITH FOREIGN COMPONENT Hematopoietic Cell Lineage Genome Anatomy Projects

Zou, Leonard
Chen, Zhu

Project Number: 1 U01 HD40613-01

NICHD 01-147 DOMESTIC WITH FOREIGN COMPONENT A Self-Sustaining Perinatal Care System for Tibet/Global Network for Women's & Children's Health Research

Dromdul, Dr.
Varner, Micha
Tudeng, Dr.
Yong Lan, Ya
Zhang
Teering, Nyim

Project Number: 1 U01 HL72507

10/1/2010

IC	FIC Number	Foreign_Act		PI
China				
Project Number: 1 U01 HL72507				
NHLBI	02-673	DOMESTIC WITH FOREIGN COMPONENT	Genetic Epidemiology of Blood Pressure Intervention	He, JIang Gu, Dongfeng
Project Number: 1P01AG17625-01				
NIA	00-408D	DOMESTIC WITH FOREIGN COMPONENT	The Global Burden of Disease 2000 in Aging Populations	Gonghuan, Yang Murray, Christopher
Project Number: 1P50CA84735-01				
NCI	99-497	DOMESTIC WITH FOREIGN COMPONENT	Transdisciplinary Tobacco Use Research Center	Johnson, C. Anderson Qulan, Quo Yan, LI
Project Number: 1P60DE1307601				
NIDCR	99-334	DOMESTIC WITH FOREIGN COMPONENT	Genetic Etiology of Nonsyndromic Cleft Palate	Liu, You-e Murray, Jeffrey
Project Number: 1R01AG1666101				
NIA	99-271	DOMESTIC WITH FOREIGN COMPONENT	Blodemography of Health, Social Factors and Life Challenge	Ming-Cheng, Chang Weinstein, Maxine
Project Number: 1R01AR45651-01				
NIAMS	00-231	DOMESTIC WITH FOREIGN COMPONENT	Genetic epidemiology of osteoporosis	Jin, Yong Tang Xu, Xiping
Project Number: 1R01CA80180-01-A1				
NCI	00-004	DOMESTIC WITH FOREIGN COMPONENT	Cancer Risk Among Women Textile Workers in China	Checkoway, Harvey LI, Gao Dao
Project Number: 1R01CA82729-01A2				
NCI	01-093	DOMESTIC WITH FOREIGN COMPONENT	Cohort Study of Cancer-inhibitory Dietary Factors in Men	Jin, Fan Xiao, Shu

IC	FIC Number	Foreign_Act			
China					
Project Number: 1R01CA92585-01					
NCI	01-292	DOMESTIC WITH FOREIGN COMPONENT	Soyfood, Gene Polymorphisms and Endometrial Cancer Risk	Jin, Fan	Shu, Xiao
Project Number: 1R01DA13145-01A1					
NIDA	00-403	DOMESTIC WITH FOREIGN COMPONENT	Community Based Study of Mobility, Drug Use, and AIDS	Luo, Huasong	Yang, Xiushi
Project Number: 1R01DA13918-01					
NIDA	00-585	DOMESTIC WITH FOREIGN COMPONENT	Viral & Host Factors on HIV Transmission/Pathogenesis	Liu, Wei	Yu, Xiao-Fang
Project Number: 1R01ES08957-02					
NIHES	00-509	DOMESTIC WITH FOREIGN COMPONENT	Organophosphate Pesticides & Human Reproductive Health	Ni, Jiatong	Xu, Xiping
Project Number: 1R01EY12991-01					
NEI	00-324	DOMESTIC WITH FOREIGN COMPONENT	Genetic and Epigenetic Control of Eye Growth	Williams, Robert	Zhou, Guomin
Project Number: 1R01HL64109-01					
NHLBI	00-061	DOMESTIC WITH FOREIGN COMPONENT	Genetics of Hypertension and it's Intermediate Phenotypes	Xu, Xiping	Zhao, Yiming
Project Number: 1R03TW01501-01					
FIC	01-030	DOMESTIC WITH FOREIGN COMPONENT	Regulation and Signaling of P21-Activated Kinases	Wang, Zhi-Xin	Zheng, Yi
Project Number: 1R0HD39789-01					
NICHD	01-054	DOMESTIC WITH FOREIGN COMPONENT	Inter-relationships Between Human Population and Environment in a Giant Panda Reserve	Lu, Jianguo	Ouyang, Zhiyun
Project Number: 1R21 AT000194-01A2					

FIC Number	Foreign_Act	PI	PI Institution
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China

Project Number: 1R21 AT000194-01A2

NCCAM	02-036	DOMESTIC WITH FOREIGN COMPONENT	Effects of Chinese Herbal Medicines on Allergic Asthma	Li, Xiu-Min
				Zou, Zong Mei

Project Number: 1U01AI47976-01

NIAID	00-257B	DOMESTIC WITH FOREIGN COMPONENT	HIV vaccine clinical trials unit	Burke, Donald
				Chen, Jie

Project Number: 1U10MH61513-01

NIMH	99-362	DOMESTIC WITH FOREIGN COMPONENT	Popular Opinion Leader HIV Intervention Among Migrant Chinese Laborers	Rothenam-Borus, Mary Jane
				Wu, Zunyou

Project Number: 2 P01 ES06052-10

NIEHS	02-466A	DOMESTIC WITH FOREIGN COMPONENT	Molecular Biomarkers for Environmental Carcinogens	Groopman, John D.
				Qian, Geng-Sun

Project Number: 2 R01 CA043092-16A1

NCI	02-309B	DOMESTIC WITH FOREIGN COMPONENT	Dietary Factors in the Etiology of Cancer in Shanghai	Ross, Ronald
				Yu-Tang, Gao

Project Number: 2 R01 CA0737-16

NCI	02-568B	DOMESTIC WITH FOREIGN COMPONENT	Molecular Epidemiology of Hepatocellular Carcinoma	Evans, Allison
				Lin, Wen-Yao

Project Number: 2 R01 CA64339 -09

NCI	03-450A	DOMESTIC WITH FOREIGN COMPONENT	Adjuvant Hormonal Therapy in Vietnamese Breast Cancer	Love, Richard
				Zhen, Tian

Project Number: 2 R01 CA70867-07

NCI	03-064	DOMESTIC WITH FOREIGN COMPONENT	Cancer Risk Reduction and Diet: A Cohort Study of Women	Zheng, Wei
				Gao, Yu-Tang

Project Number: 2 R01 DC02932 -04A1

China

Project Number: 2 R01 DC02932 -04A1

NIDCD	03-516A	DOMESTIC WITH FOREIGN COMPONENT	Cross-language Investigation of Phonological Developments	Edwards, Jan McBride-Chang, Catherine
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Project Number: 2 R01 EY10595 -10A1

NEI	03-507A	DOMESTIC WITH FOREIGN COMPONENT	Protein-Ih1ol Mixed Disulfide in Cataractogenesis	Lou, Marjorie F. Fan, Yin-Chuan
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Project Number: 2 R01 HD30880-10

NICHD	03-054	DOMESTIC WITH FOREIGN COMPONENT	Monitoring Social Change: Health, Reproduction, Aging	Popkin, Barry M. Du, Shufa
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Project Number: 2 R01 HD34157-04A2

NICHD	03-053	DOMESTIC WITH FOREIGN COMPONENT	Continuation of Chinese Health and Family Behavior	Parish, William L. Fan, Sulming
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Project Number: 2P01AG08761-10

NIA	99-163E	DOMESTIC WITH FOREIGN COMPONENT	Oldest-Old Mortality - Demographic Models and Analysis	Vaupel, James Zhenyu, Xiao
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Project Number: 2R01CA17625-24

NCI	01-100	DOMESTIC WITH FOREIGN COMPONENT	Plant Antitumor Agents	Chen, I.S. Lee, Dr. Zhang, D.C.
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Project Number: 2R01CA64277-05

NCI	01-285	DOMESTIC WITH FOREIGN COMPONENT	Shanghai Breast Cancer Study	Jin, Fan Zheng, Wei
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Project Number: 2R01CA65871-05

NCI	00-128	DOMESTIC WITH FOREIGN COMPONENT	Mechanisms of Human Esophageal Carcinogenesis	Wang, Li-dong Yang, Chung
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Project Number: 5 P30 AI49366-02

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Project	Topic	Location	Year	Organization	Lead	Other	Notes
1-02	DOMESTIC WITH COMPONENT	China	1992	NCCFARUC	Qu	AIDS Preve	FPI
	DOMESTIC WITH COMPONENT	China	1992	General Hospital			
A44	DOMESTIC WITH COMPONENT	China	1994	University Resear			
	DOMESTIC WITH COMPONENT	China	1994	Uniformed Sciences			
1-631	DOMESTIC WITH COMPONENT	China	1991	National Center for Control, CAPM		evention and	FPI
	DOMESTIC WITH COMPONENT	China	1991	Biophysics Resear			
1-631	DOMESTIC WITH COMPONENT	China	1991	Academia Sinica			FPI
	DOMESTIC WITH COMPONENT	China	1991				
1-631	DOMESTIC WITH COMPONENT	China	1991				
	DOMESTIC WITH COMPONENT	China	1991				

FIC Foreign_Act
Number

China

Project Number: R01 TW05623-01

FIC	02-031 B	DOMESTIC WITH FOREIGN COMPONENT	The Gansu Survey of Children and Families 2 and 3	Chen, Chunming Hannum, Emily Tiemin, Tang Wang, Jiyi Zhang, Jianxin
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Project Number: R03 TW005926-01A1

FIC	03-010	DOMESTIC WITH FOREIGN COMPONENT	Two-Component Signaling in Candidiasis and Aspergillosis	Ruoyo, Li Calderone, Richard
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Project Number: R03HD40826

NICHD	02-092	DOMESTIC WITH FOREIGN COMPONENT	Pilot Study for a National Survey of Migration in China	Li, Qiang Trelman, Donald
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Project Number: U01AI48011-01

NIAID	00-337	DOMESTIC WITH FOREIGN COMPONENT	Johns Hopkins National Center for AIDS Prevention and Control (NCAIDS) HPTN Trial Site-China	Jackson, J. Broderick Shao, Yiming
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Total Number of Grants for China 80

IC	FIC Number	Foreign_Act		
China				
Project Number: 0 N01 AI30024 -00				
NIAID	03-448B	DOMESTIC WITH FOREIGN COMPONENT	HLA Typing and Epitope Mapping Relative to HIV Vaccine Design	Walker, Bruce Shao, Yiming
Project Number: 0 N01 DE32636 -00				
NIDCR	03-534B	DOMESTIC WITH FOREIGN COMPONENT	International Research Registry Network for Sjogren's Syndrome	Greenspan, John Yi, Dong
Project Number: N02 CP11015				
NCI	02-475	DOMESTIC WITH FOREIGN COMPONENT	Interdisciplinary Studies of Occupational and Environmental Cancer	McAdams, Timothy Yin, Song-Nian
Project Number: N02 CP21169				
NCI	02-555	DOMESTIC WITH FOREIGN COMPONENT	Support Services for Biostatistical and Etiologic Studies	Chang, Yun-Sheng Westat, Inc.
Project Number: N02-CP-11015				
NCI	02-109	DOMESTIC WITH FOREIGN COMPONENT	Interdisciplinary Studies of Occupational and Environmental Cancer	McAdams, Timothy Yin, Song-Nian
Total Number of Contracts for China			5	

FIGNUM	PROJNUM	FY	TITLE	A	IC	A	PI/Asst	PI/Asst	PI/Asst
02-298	2 P50 AI39461-06A1	2002	Emerging Helminthiases in China: Genetic Diversiy	r	NIAID	5	Feng	Zheng	Chinese Acad Medicine
02-359	U19 A151915-01	2002	China's Integrated Program for Research on Aids (China CIPRA)	n	NIAID	5	Shao	Yiming	National Cent Prevention an
02-652	1 R01 TW006186-01	2002	Mitotic Checkpoint & Genomic Stability in Ovarian Cancer	n	FIC	5	Jin	Dong-Yan	The Universit
02-659	1 R01 TW006207-01	2002	China Childhood Obesity Survey	n	FIC	5	Du	Shufa	Chinese Cent Control and P
99-164	N02RC91019	1999	Early Detection of Esophageal Cancer	r	NCI	5	Zhi-Wei	Dong	Chinese Acad Sciences
99-268	NO2SC91030	1999	Nutrition Intervention Trials in Linxan China Continuation	n	NCI	5	Zhi-Wei	Dong	Chinese Acad Sciences