

# Funding of FY 2012 NSFC-NIH Joint Program on Biomedical Research

Serial No.	Project Title	Chinese PI	Home Institution	U. S. PI	Home Institution
1	Improved methods for radiomics of lung screening CT scans	Tian Jie	Institute of Automation, Chinese Academy of Sciences	GILLIES, Robert	Moffit Cancer Center
2	Integration of RDGN with androgen receptor function in prostate cancer	Wu Kongming	Tongji Hospital, Huazhong University of Science and Technology	PESTELL, Richard	Thomas Jefferson University
3	Enhancing CIK (NK-T) cell homing to tumors	Zhang Yi	Zhengzhou University	KALINSKI, Pawel	University of Pittsburgh
4	Mechanism and role of alternative splicing of mdm2 in regulation of UVB-induced and oxidative-stress-mediated apoptosis	Tang Liling	Chongqing University	Wu Shiyong	Ohio University
5	Allelic expression imbalance of breast cancer genetic loci	Ren Zhefang	Sun Yat-Sen University	Zheng Wei	Vanderbilt University Medical Center
6	Role of BRCA1 in DNA double-strand break repair and breast cancer treatment	Jiang Wei	Cancer Institute/Hospital of the Chinese Academy of Medical Sciences	Wu Xiaohua	Scripps Research Institute
7	Monoallelic expression in SR-protein-driven tumorigenesis	Wu Qiang	Shanghai Jiaotong University	HANNON, Gregory	Cold Spring Harbor Laboratory
8	Reversibly cross-linked targeted nanotherapeutics for metastatic cancers	Liu Gang	Tsinghua University, Department of Pharmacology and Pharmaceutical Sciences	LAM, Kit	University of California, Davis
9	Roles of smurfs in hedgehog signaling and medulloblastoma	Cheng Yan	Nanjing Medical University	Zhang Ying	National Cancer Institute of National Institutes of Health
10	Viral mediated type I interferon induction	Liu Ying-Fang	Institute of Biophysics, Chinese Academy of Sciences	Cheng Genhong	UCLA Department of Microbiology, Immunology and Molecular Genetics
11	Signal transduction regulating T-cell development	Liu Xiaolong	Institute of Biochemistry and Cell Biology, Shanghai Institutes for Biological Sciences	Sun, Shao-Cong	University of Texas MD Anderson Cancer Center
12	The immune-modulating role of selenoprotein K in foam cell formation and atherosclerosis	Huang Zhi	Jinan University	Hoffmann, Peter R.	University of Hawaii
13	Bacterial agents for therapy of hepatitis B virus infection	Wu Jianguo	Wuhan University	Lu Sangwei	University of California at Berkeley

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14	T-cell Immune responses to schistosome infection in the elderly	Wu Zhongdao	Zhongshan School of Medicine, Sun Yat-sen University	Su Dong-Ming	University of North Texas Health Science Center
15	Joint project title; U. S. -China program to identify novel antimicrobials	Zhang Lixin	Institute of Microbiology, Chinese Academy of Sciences (IMCAS)	Gilmore, Michael	Massachusetts Eye and Ear Infirmary, Harvard Medical School
16	Cell-mediated immune responses to bioconjugate vaccines for the prevention of staphylococcal infection	Zou Quanming	Third Military Medical University	Lee, Jean	Brigham and Women's Hospital and Harvard Medical School
17	Manipulating the biosynthesis of capuramycin-type antibiotics for new anti-TB drugs	Yang Zhaoyong	Peking Union Medical College	Van Lanen, Steven	University of Kentucky
18	The Nlrp3 inflammasome in gut homeostasis; study for the function of inflammasome in the development of inflammatory bowel disease and the related mechanism	Meng Guangxun	Key Laboratory of Molecular Virology & Immunology, Institute Pasteur of Shanghai, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences	Strober, Warren	NIAID, Mucosal Immunity Section, Laboratory of Host Defenses (LHD)
19	Countermeasures against severe fever with thrombocytopenia syndrome virus	Liang Mifang	National Institute for Viral Diseases Control and Prevention, China CDC	Feldmann, Heinrich	NIAID, Laboratory of Virology
20	Antibody therapy directed against a novel surface protein crucial for MRSA colonization and infection	Li Min	Fudan University, Shanghai Medical College Huashan Hospital, Department of Laboratory Medicine	Otto, Michael	NIAID, Laboratory of Human Bacterial Pathogenesis
21	Multimodal imaging of thalamic dysfunction in schizophrenia	Zhang Minming	Zhejiang University	Freedman, Robert	University of Colorado, Denver
22	Pediatric template of brain perfusion and connectivity	Fan Yong	Institute of Automation, Chinese Academy of Sciences	Wang Danny	University of California Los Angeles
23	system-wide immunohistochemical and proteomic analyses of Sp4 mouse brain	Wan Chunling	Shanghai Jiaotong University	Zhou Xianjin	University of California San Diego
24	Arc regulation of Shank3 expression and ubiquitination	Tu Jiancheng	Wuhan University	Worley, Paul	Johns Hopkins School of Medicine
25	Characterizing the genetic systems of autism through multi-disease analysis	Xing Qing-he	Fudan University	Wall, Dennis	Harvard Medical School
26	Biomarkers in first episode schizophrenia	Wang Jijiong	Shanghai Mental Health Center	GOFF, DONALD	New York University School of Medicine
27	Study of biomarkers of homeostatic dysregulation in bipolar disorder	Li Tao	West China Hospital, Sichuan University	MERIKANGAS, Kathleen	NIMH IRG
28	Development of sensitive radiotracers for imaging efflux transporters at the blood-brain barrier with positron emission tomography	Peng Yiyuan	Jiangxi Normal University	PIKE, Victor	NIMH Intramural Res. Pro. (IRG)

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29	Identification of the expression signature and susceptibility SNPs of mirnas for schizophrenia	Li Keshen	Guangdong Medical College	Li Zheng	NIMH IRG
30	CryoEM analysis of HIV/SIV particle stability and native trimer-complexes	Zhu Ping	National Laboratory of Biomacromolecules	Binley, James	Torrey Pines Institute for Molecular Studies
31	Cytomegalovirus gene function in virulence and replication	Xiao Gengfu	Wuhan Institute of Virology, Chinese Academy of Sciences	Liu Fenyong	University of California, Berkeley
32	Protection from HIV by GPI-anchored antibody derivatives	Zhou Paul	Institute Pasteur of Shanghai	Butel, Janet S.	Baylor College of Medicine
33	Susceptibility and resistance of recombinant Chinese HIV strains to the antivirals targeted to capsid	Ma Liying	NCAIDS, China CDC	Debnath, Asim Kumar	New York Blood Center
34	Role of CycK complexes in HIV replication	Li Qintong	Sichuan University	Peterlin, Boris Matija	University of California, San Francisco
35	Cardiac steatosis in HIV-infected persons in China	Wang Ning	NCAIDS, China CDC	Lai Shenghan	Johns Hopkins University
36	Novel flavopiridol analogues as potent anti-HIV agents	Xiao Zhiyan	Institute of Materia Medica, CAMS, PUMC	Lee, Kuo-Hsiung	University of North Carolina (UNC)
37	Phylogenetic analysis of HIV transmission clusters among MSM in Beijing	Xing Hui & Shao Yiming	NCAIDS, China CDC	Vermund, Sten	Vanderbilt University Medical Center
38	Screening for anti-HIV-1 bNAb (broadly neutralizing antibody) in huCD4/CCR5 transgenic mice immunized with multivalent vaccine	Yang Dongliang	Union Hospital, Tongji Medical College, Huazhong University of Science and Technology	Gao Yong	Case Western Reserve University
39	NK cell mediated immune pressure in HIV-1 infection	Shao Yiming	China CDC	Altfeld, Marcus	Ragon Institute of MGH, MIT, & Harvard
40	Efficacy of SAMTs and SFT as topical microbicides; development of combination therapies containing HIV nucleocapsid NCp7 inhibitors and gp41 fusion Inhibitors as the rectal microbicide candidate	Zhang Xiaoyan	Fudan University, Shanghai Public Health Clinical Center	Appella, Etore	National Cancer Institute, NIH
41	Multispecific HIV-1 entry inhibitors targeting both gp120 and gp41	Jiang Shibo	Fudan University, Shanghai Medical College and Institute of Medical Microbiology	Dimitrov, Dimiter	National Cancer Institute, NIH
42	Counteraction of cell restriction factor tetherin by HIV-1 Vpu	Yu Xianghui	Jilin University	Freed, Eric	National Cancer Institute, NIH