CURRICULUM VITAE

A. Personal Information

NAME	POSITION TITLE
HU, Wei	Professor

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	MM/YY	FIELD OF STUDY
National Institute of Parasitic Diseases, Chinese Center for Disease Control and Prevention	Ph D	07/2002	Parasitology
Institute of Entomology, Central China Normal University	Master	07/1996	Entomology
School of Life Sciences, Central China Normal University	bachelor	07/1993	Biology Science

B. Positions and Honors

Positions and Employment

1996-2002 Lecturer, Department of Pathology, National Institute of Parasitic Diseases (NIPD), Chinese Academy of Preventive Medicine, Shanghai

2003-2006 Associate Professor, National Institute of Parasitic Disease, Chinese Center for Disease Control and Prevention (the new name of IPD), Co-investigator of project 1 of China TMRC

2006-2012 Professor, Vice Chief, Chief, Key Laboratory of Parasitology and Vector Biology, National Institute of Parasitic Disease, Chinese Center for Disease Control and Prevention

2012- Professor, Department of Microbiology and Microbial Engineering, School of Life Science, Fudan University; Adjunct professor, Key Laboratory of Parasitology and Vector Biology, National Institute of Parasitic Disease, Chinese Center for Disease Control and Prevention

Memberships

2007.9-2008.4 Visiting scholar, Harvard School of Public Health, Boston, USA

1998.7-12 Visiting Faculty, Jundento University, Medical School, Tokyo, Japan.

2006.7-9 Visiting Scientist, Queensland Institute of Medical Research, Brisbane, Australian

Member Task force for Helminth Drug，WHO/TDR（2012）

Member of the council Shanghai Association for Parasitology, China

Member China NDI

Member Shanghai Association for Biotechnology, China

Member Shanghai Association for Entomology, China

Member Shanghai Association for Parasitology, China

Honors

2014 The second class National Prize for Natural in Sciences

2007 Award of the Forth Edition of “Chinese Young Women in Science Fellowships”

2007 Candidate of Advanced Talent Researcher, National Institute of Parasitic Diseases, Chinese Center for Disease Control and Prevention

2005 Prize for National Excellent Doctoral Dissertation of China (Minister of Education, 2005)

2004 Award for Advance in Science and Technology to the study on “Schistosoma japonicum genomics and its application” (Shanghai Government) (2005)

2004 Shanghai Municipal Prize for Young Stars in Science and Technology

B. **Selected Peer-reviewed Publications** (Selected from peer-reviewed publications since 2010)

1: Wu C, Chen Q, Fang Y, Wu J, Han Y, Wang Y, Yang Y, Chu M, Feng Y, Tan L, Guo X, **Hu W**, Wang Z. Schistosoma japonicum egg specific protein SjE16.7 recruits neutrophils and induces inflammatory hepatic granuloma initiation. PLoS Negl Trop Dis. 2014 Feb 13;8(2):e2703. doi: 10.1371/journal.pntd.0002703. eCollection 2014 Feb. PubMed PMID: 24551263; PubMed Central PMCID: PMC3923719.

2: **Chen JH*,** Zhang T, Ju C, Xu B, Lu Y, Mo XJ, Chen SB, Fan YT, **Hu W*, Zhou XN***. An integrated immunoproteomics and bioinformatics approach for the analysis of Schistosoma japonicum tegument proteins. J Proteomics. 2014 Feb 26;98:289-99. doi: 10.1016/j.jprot.2014.01.010. Epub 2014 Jan 19. PubMed PMID: 24448400.

3: Sun J, Wang SW, Li C, **Hu W**, Ren YJ, Wang JQ. Transcriptome profilings of female Schistosoma japonicum reveal significant differential expression of genes after pairing. Parasitol Res. 2014 Mar;113(3):881-92. doi: 10.1007/s00436-013-3719-2. Epub 2013 Dec 3. PubMed PMID: 24297695.

4: Liu J, Dyer D, Wang J, Wang S, Du X, Xu B, Zhang H, Wang X, **Hu W*.** 3-oxoacyl-ACP reductase from Schistosoma japonicum: integrated in silico-in vitro strategy for discovering antischistosomal lead compounds. PLoS One. 2013 Jun 7;8(6):e64984. doi: 10.1371/journal.pone.0064984. Print 2013. PubMed PMID: 23762275; PubMed Central PMCID: PMC3676400.

5: Liu J, Dyer DH, Cheng J, Wang J, Wang S, Yang Z, Wang X, **Hu W***. Aldose reductase from Schistosoma japonicum: crystallization and structure-based inhibitor screening for discovering antischistosomal lead compounds. Parasit Vectors. 2013 Jun 5;6:162. doi: 10.1186/1756-3305-6-162. PubMed PMID: 23734964; PubMed Central PMCID: PMC3691639.

6: Sun J, **Hu W**, Li C. Beyond heme detoxification: a role for hemozoin in iron transport in S. japonicum. Parasitol Res. 2013 Aug;112(8):2983-90. doi: 10.1007/s00436-013-3470-8. Epub 2013 Jun 4. PubMed PMID: 23733233.

7: Cui SJ, Xu LL, Zhang T, Xu M, Yao J, Fang CY, Feng Z, Yang PY*, **Hu W***, Liu F*. Proteomic characterization of larval and adult developmental stages in Echinococcus granulosus reveals novel insight into host-parasite interactions. J Proteomics. 2013 Jun 12;84:158-75. doi: 10.1016/j.jprot.2013.04.013. Epub 2013 Apr 17. PubMed PMID: 23603110.

8: You H, McManus DP, **Hu W**, Smout MJ, Brindley PJ, Gobert GN. Transcriptional responses of in vivo praziquantel exposure in schistosomes identifies a functional role for calcium signalling pathway member CamKII. PLoS Pathog. 2013 Mar;9(3):e1003254. doi: 10.1371/journal.ppat.1003254. Epub 2013 Mar 28. PubMed PMID: 23555262; PubMed Central PMCID: PMC3610926.

9: Xu B, Gordon CA, **Hu W,** McManus DP, Chen HG, Gray DJ, Ju C, Zeng XJ, Gobert GN, Ge J, Lan WM, Xie SY, Jiang WS, Ross AG, Acosta LP, Olveda R, Feng Z. A novel procedure for precise quantification of Schistosoma japonicum eggs in bovine feces. PLoS Negl Trop Dis. 2012;6(11):e1885. doi: 10.1371/journal.pntd.0001885. Epub 2012 Nov 15. Erratum in: PLoS Negl Trop Dis. 2012 Dec;6(12). doi: 10.1371/annotation/2c375f5c-78e4-4920-9498-014bf8d2aff3. PubMed PMID: 23166847; PubMed Central PMCID: PMC3499414.

10: Deng W, Xu B, Hu H, Li J, **Hu W*,** Song S*, Feng Z*, Fan C*. Diagnosis of schistosomiasis japonica with interfacial co-assembly-based multi-channel electrochemical immunosensor arrays. Sci Rep. 2013;3:1789. doi: 10.1038/srep01789. PubMed PMID: 23648995; PubMed Central PMCID: PMC3646279.

11: Lu Y, Xu B, Ju C, Mo X, Chen S, Feng Z, Wang X, **Hu W***. Identification and profiling of circulating antigens by screening with the sera from schistosomiasis japonica patients. Parasit Vectors. 2012 Jun 11;5:115. doi: 10.1186/1756-3305-5-115. PubMed PMID: 22686541; PubMed Central PMCID: PMC3419666.

12: Li X, He Z, Chen L, Li Y, Li Q, Zhao S, Tao Z, **Hu W,** Qin L, Chen X. Synergy of the antiretroviral protease inhibitor indinavir and chloroquine against malaria parasites in vitro and in vivo. Parasitol Res. 2011 Dec;109(6):1519-24. doi: 10.1007/s00436-011-2427-z. Epub 2011 May 3. PubMed PMID: 21537980.

13: Sun X, Liu YH, Lv ZY, Yang LL, Hu SM, Zheng HQ, **Hu W**, Cao JP, Fung MQ, Wu ZD. rSj16, a recombinant protein of Schistosoma japonicum-derived molecule, reduces severity of the complete Freund's adjuvant-induced adjuvant arthritis in rats' model. Parasite Immunol. 2010 Nov-Dec;32(11-12):739-48. doi: 10.1111/j.1365-3024.2010.01240.x. PubMed PMID: 21039614.

14: He S, Yang L, Lv Z, **Hu W**, Cao J, Wei J, Sun X, Yang J, Zheng H, Wu Z. Molecular and functional characterization of a mortalin-like protein from Schistosoma japonicum (SjMLP/hsp70) as a member of the HSP70 family. Parasitol Res. 2010 Sep;107(4):955-66. doi: 10.1007/s00436-010-1960-5. Epub 2010 Jul 3. PubMed PMID: 20602114.

15 . Chuan J, Feng Z, Brindley PJ, McManus DP, Han Z, Jianxin P, **Hu W*.** Our wormy world genomics, proteomics and transcriptomics in East and southeast Asia. ***Adv Parasitol***. 2010;73:327-71