个人简介

姓名：王莹

性别：女

出生年月：1980.9

学位/学历：博士

职称： 副研究员

电子邮件： wangying@nipd.chinacdc.cn

办公地址：上海市黄浦区瑞金二路 207 号

办公电话：021-64377008-8203

教育经历

工学学士，制药工程专业

理学硕士，生物化学与分子生物学专业

医学博士，免疫学专业

工作经历

2012.7 至今，中国疾病预防控制中心寄生虫病预防控制所，助理研究员/副研究员

2019.1-2019.4 澳大利亚昆士兰医学研究所，访问学者

社会/学术任职和活动

《中国寄生虫学与寄生虫病杂志》青年编委

研究方向/主要研究内容

1. 寄生虫病诊断与检测技术：

   棘球绦虫中间宿主、终末宿主的诊断与检测技术研发，及其在棘球蚴病防治和监测中的应用。

2. 寄生虫病免疫调控机制：

   棘球绦虫致病机制研究，棘球绦虫与宿主相互作用，棘球绦虫免疫调控机制。

科研/教学研究项目

1. 国家自然科学基金青年基金，81601792，TLR2 在细粒棘球绦虫排泄分泌抗原下调宿主免疫应答中的作用及分子机制研究，总负责。
2. 国家自然科学基金面上项目，81772224，原头节外泌体 lncRNAs 对细粒棘球蚴感染小鼠 MDSCs 免疫下调作用及机制研究，主要参与。

3. 国家自然科学基金面上项目，81971969，日本血吸虫虫卵外泌体源 microRNA-1 促进肝脏纤维化的作用及机制研究，主要参与。
4. 国家自然科学基金面上项目，82072307，原头节外泌体源 miR-4989 促进细粒棘球蚴寄生部位血管生成作用及机制研究，主要参与。
5. 国家卫生健康委员会包虫病防治研究重点实验室开放课题，2020WZK2008，基于体液游离 DNA 的包虫病诊断标志物的筛选和应用研究，总负责。

主要学术成果

期刊论文

1. Yi Xie, Dandan Shi, Xu Wang, Yayi Guan, Weiping Wu, **Ying Wang***. Prevalence trend and burden of neglected parasitic diseases in China from 1990-2019: findings from global burden of disease study. Frontiers in Public Health, 2023, 11: 1077723.
2. **Ying Wang**, Jing Zhang, Xu Wang, Harron Ahmed, Yujuan Shen*, Jianping Cao*. Molecular Epidemiology and the Control and Prevention of Cystic Echinococcosis in China: What is Known from Current Research. Zoonoses, 2023, 3:24.
3. Lei Liu, Fan Chen, Shan Jiang, Bo Zhong, Wei Li, Kejun Xu, Qi Wang, **Ying Wang***, Jianping Cao*. Analysis of gene expression profile of peripheral blood in alveolar and cystic echinococcosis. Frontiers in Cellular and Infection Microbiology, 2022, 12: 913393.
4. **Ying Wang**, Bingcheng Ma, Liying Wang*, Gongsang Quzhen, Huasheng Pang. Effects of management of infection source of echinococcosis in Linzhi, Tibet Autonomous Region of China. Infectious Diseases of Poverty, 2023, 10:25.
5. **王莹**，贡桑曲珍，庞华胜，伍卫平，张璟，沈玉娟，曹建平*. 基于游离 DNA 的棘球蚴病诊断标志物的筛选和应用初探. 中国病原生物学杂志，2020, 15(6):674-677.

著作

1. 《Echinococcus：Control and Elimination of Echinococcosis with a Focus on China and Europe》, Springer, 2024 年 6 月，章节作者。
2. 《曼氏热带病》，上海科学技术出版社，2020 年 7 月，章节作者。
3. 《临床微生物学手册：第 11 版》，中华医学电子音像出版社，2017 年 6 月，章节作者。
4. 《微生物分子诊断学》，科学出版社，2013 年 2 月，章节作者。

专利

1. 一段用于检测细粒棘球绦虫的生物标志物 DNA 分子片段及其应用，ZL201910225298.9，第一发明人。
2. 一段来源于细粒棘球绦虫的游离 DNA 序列及其应用，ZL202010559041.X，第一发明人。
3. 多重 RAA 以及多重 PCR 检测病变组织或犬粪便中棘球绦虫的试剂盒及检测方法，ZL201911164337.5，第五发明人。

荣誉及奖项

Profile

Name： Wang Ying

Gender： Femal

Date of birth： September 1980

Degree： Doctor of Medicine

Title： Associate Professor

Email： wangying@nipd.chinacdc.cn

Address： 207 Ruijin Er Road, Shanghai, China

Office Tel： 021 64377008-8203

Education

Bachelor of Engineering in Pharmaceutical Engineering

Master of Science in Biochemistry and Molecular Biology

Doctor of Medicine in Immunology

Appointments

2012.7 to date, National Institute of Parasitic Diseases, Chinese Center for Disease Control and Prevention (Chinese Center for Tropical Diseases Research), Assistant Professor/Associate Professor

2019.1-2019.4, The Queenland Institute of Medical Research, Visiting Scholar

Academic Participation and Activities

Youth editorial board of Chiese Journal of Parasitology and Parasitic Diseases.

Research Interest

1. Diagnosis and detection techniques for parasitic diseases:

   Research and development of diagnostic and detection techniques for intermediate host and definitive host of Echinococcus, and their application in the control and surveillance of echinococcosis.

2. Pathogenic mechanism of parasitic diseases

   Pathogenic mechanism of Echinococcus，the interaction of Echinococcus and host，immune regulation of Echinococcus

Projects

1. National Natural Science Foundation of China, 81601792, Role and mechanism of TLR2 in downregulation of host immune responses induced by Echinococcus granlosus excretory-secretory products, PI.
2. National Natural Science Foundation of China, 81772224, Immunomodulatory effect and mechanism of lncRNAs derived from exosomes on MDSCs in mice infected with Echinococcus granulosus, participant.
3. National Natural Science Foundation of China, 81971969, Study on the role and mechanism of microRNA-1 derived from extracellular vesicles of Schistosoma japonicum eggs in promoting liver fibrosis, participant.
4. National Natural Science Foundation of China, 82072307, Study on the promotion of angiogenesis in parasitic site of Echinococcus granulosus by miR-4989 from exosomes and its mechanism, paticipant.
5. NHC Key Laboratory of Echinococcosis Prevention and Control, 2020WZK2008, Screening and application of diagnostic biomarker for echinococcosis based on cell-free DNA, PI.

Publications

1. Yi Xie, Dandan Shi, Xu Wang, Yayi Guan, Weiping Wu, **Ying Wang***. Prevalence trend and burden of neglected parasitic diseases in China from 1990-2019: findings from global burden of disease study. Frontiers in Public Health, 2023, 11: 1077723.
2. **Ying Wang**, Jing Zhang, Xu Wang, Harron Ahmed, Yujuan Shen*, Jianping Cao*. Molecular Epidemiology and the Control and Prevention of Cystic Echinococcosis in China: What is Known from Current Research. Zoonoses, 2023, 3:24.
3. Lei Liu, Fan Chen, Shan Jiang, Bo Zhong, Wei Li, Kejun Xu, Qi Wang, **Ying Wang***, Jianping Cao*. Analysis of gene expression profile of peripheral blood in alveolar and cystic echinococcosis. Frontiers in Cellular and Infection Microbiology, 2022, 12: 913393.
4. **Ying Wang**, Bingcheng Ma, Liying Wang*, Gongsang Quzhen, Huasheng Pang. Effects of management of infection source of echinococcosis in Linzhi, Tibet Autonomous Region of China. Infectious Diseases of Poverty, 2023, 10:25.
5. **Wang Ying,** Gongsang Quzhen, Pang Huasheng, Wu Weiping, Zhang Jing, Shen Yujuan, Cao Jianping*. Screening and use of cell-free DNA as a diagnostic marker for echinococcosis. Journal of Pathogen Biology, 2020, 15(6):674-677.

Books

1. 《Echinococcus: Control and Elimination of Echinococcosis with a Focus on China and Europe》, Springer, June 2024, Chapter Author.
2. 《Manson' s Tropical Diseases, 23rd Edition》, Shanghai Science and Technology Press, July 2020, Chapter Author.
3. 《Manual of Clinical Microbiology,11th Edition》, Chinese Medical Multimendia Press, June 2017, Chapter Author
4. 《Diagnostic Molecular Microbiology》, Science Press, Feb 2013, Chapter Author.

Patents

1. A biomarker DNA fragment for detecting Echinococcus granulosus and its application, ZL201910225298.9, The first inventor.

2. A cell-free DNA form Echinococcus granulosus and its application, ZL202010559041.X, The first inventor

3. A kit and detection method for detecting Echinococcus granulosus in tissues or dog feces using multiple RAA and multiple PCR, ZL201911164337.5, The fifth inventor.

Honors and Awards