

个人简介			
姓名： 邓王平			
性别： 女			
出生年月： 1984 年 2 月			
学位/学历： 博士			
职称： 副研究员			
电子邮件： dengwp@nipd.chinacdc.cn			
办公地址： 上海市黄浦区瑞金二路 207 号			
办公电话： 021-64377008-8308			
教育经历			
2002. 9-2006. 7	武汉工程大学	生物工程专业	学士
2006. 9-2009. 3	华东理工大学	生物化学与分子生物学	硕士
2013. 9-2016. 6	中国科学院大学	无机化学	博士
工作经历			
2009. 7-2012. 12	中科院上海应用物理研究所	生物分析	研究实习员
2013. 1-2013. 7	中科院上海应用物理研究所	生物分析	助理研究员
2016. 8-2019. 2	中国疾病预防控制中心	流行病与卫生统计学	博士后
2019. 3-2020. 6	中国疾控中心寄生虫病所	血吸虫病预防控制	助理研究员
2020. 7-至今	中国疾控中心寄生虫病所	血吸虫病预防控制	副研究员
社会/学术任职和活动			
担任《中国寄生虫与寄生虫病杂志》、《中国热带医学杂志》及《中国血吸虫病防治》杂志青年编委			
研究方向/主要研究内容			
血吸虫病分子诊断及分子流行病学研究			
开展基于分子生物学、组学、分析化学、流行病学等多学科交叉融合的血吸虫病分子诊断及分子流行病学研究，发掘血吸虫特异分子标志物，研发快速、敏感、准确的血吸虫病诊断及监测新技术，并尝试从分子水平上阐明血吸虫病的分布特征，揭示其发生、发展及流行规律，研判血吸虫病疫情趋势，提示局部地区传播风险及影响因素。			
科研/教学研究项目			
1. 2021. 01-2023. 12，上海市卫健委公共卫生卫临床研究专项面上项目，主持。			
2. 2021. 11-2024. 11，国家重点研发计划-重要威胁人类寄生虫感染致病机制和防控干预技术研究, 任务包负责人。			
3. 2021. 01-2024. 12，国家自然科学基金面上项目-长江经济带血吸虫病传播影响因素及风险识别研究, 主要参与。			
4. 2020. 12-2022. 6，上海市公共卫生体系建设三年行动计划重点学科项目，主要参与。			
5. 2016. 11-2018. 12，中国博士后科学基金面上项目，主持。			

主要学术成果

期刊论文

1. **Deng WP**, Wang SL, Wang LP, Lv C., Li YL, Feng T, Qin ZQ, Xu J *. Laboratory Evaluation of a Basic Recombinase Polymerase Amplification (RPA) Assay for Early Detection of Schistosoma japonicum. *Pathogens*, 2022,11,319.
2. Wang Q, Wen YL, Li Y, Liang W, Li W, Li Y, Wu JH, Zhu HC, Zhao KK, Zhang J, Jia NQ*, **Deng WP***, Liu G*. Ultrasensitive Electrochemical Biosensor of Bacterial 16S rRNA Gene Based on polyA DNA Probes. *Analytical Chemistry*. 2019,91:9277.
3. **Deng WP**, Dou YZ, Song P, Xu H, Gao JM, Lu JX, Song SP, Zuo XL. Lab on smartphone with interfaced electrochemical chips for onsite gender verification. *Journal of Electroanalytical Chemistry*, 2016,777:117.
4. **Deng WP**, Xu bin, Hu HY, Li JY, Hu W*, Song,SP*, Feng Z*, Fan CH*. Diagnosis of schistosomiasis japonica with interfacial co-assembly-based multi-channel electrochemical immunosensor arrays. *Scientific Reports*. 2013, 3: e1789.
5. 王丽萍, 吕超, 秦志强, 许静, **邓王平***; 基于重组酶聚合酶扩增的曼氏血吸虫核酸可视化检测技术的建立及初步评价. *中国寄生虫学与寄生虫病杂志*, 2022,40 (3),337-343.
6. **邓王平**, 徐斌, 洪清华, 王盛琳, 吕超, 李银龙, 宋世平, 陈军虎, 许静, 李石柱, 胡薇, 周晓农*; 重组酶聚合酶扩增结合电化学 DNA 传感器检测日本血吸虫方法的建立. *中国寄生虫学与寄生虫病杂志*, 2020, 38(2),168-174.
7. **邓王平**, 洪清华, 徐斌, 王盛琳, 王丽萍, 许静, 胡薇, 周晓农*; 基于 RPA-LFD 的日本血吸虫循环核酸快速可视化检测方法的建立及初步评价. *中国寄生虫学与寄生虫病杂志*, 2020, 38(3),286-292.
8. Lv C, **Deng WP**, Wang LP, Qin ZQ, Zhou XN, Xu J*. Molecular Techniques as Alternatives of Diagnostic Tools in China as Schistosomiasis Moving towards Elimination, *Pathogens*, 2022, 11(3): 287
9. Dou YZ , Jiang ZN ,**Deng WP**, Jing Su, Shixing Chen Haiyun Song Ali Aldalbahi , Xiaolei Zuo Shiping Song *, Jiye Shi, Chunhai Fan *. Portable detection of clenbuterol using a smartphone-based electrochemical biosensor with electric field-driven acceleration. *Journal of Electroanalytical Chemistry*,2016,781 ,339-344.
10. Su J, Liu W, Chen S X. **Deng WP**, Ding X. Song SP. A Carbon-Based DNA Framework Nano-Bio Interface for Biosensing with High Sensitivity and a High Signal-to-Noise Ratio. *ACS sensor*.2020,5(12), 3979-3987.
11. Chen SX, Su J. Zhao ZH. Shao Y. Dou YZ. Li F. **Deng WP**, Shi J.Y Li Q, Zuo XL. Song SP. Fan CH. DNA Framework-Supported Electrochemical Analysis of DNA Methylation for Prostate Cancers. *Nano letters*.2020.20 (10). 7028-7035.
12. Yang F, Zuo XL, Li ZH, **Deng WP**,Huang Q, Song SP. and Fan CH*. A bubble-mediated intelligent microscale electrochemical device for single-step quantitative bioassays. *Advanced Materials*. 2014, 26, 4671–4676.
13. Li SX, Zhang J, **Deng WP**, Shen XZ, Song SP, Fan CH*. A highly sensitive amperometric immunosensor for clenbuterol detection in livestock urine. *Electroanalysis*. 2013, 25(4), 867 – 873。
14. **邓王平**, 王丽华, 宋世平, 左小磊*.生物传感器在 POCT 中的应用研究. *化学进展*, 2016, 9:61.
15. **邓王平**, 窦艳枝, 苏静, 宋世平*, 樊春海.酶聚合体电流信号放大多通道电化学免疫传感体系及蛋白肿瘤标志物检测. *电化学*, 2015,21(1):39-44.
16. **邓王平**, 冯正, 徐斌, 孔娟, 胡薇*.日本血吸虫内皮分化相关因子-1 基因的克隆、表达及鉴定. *中国寄生虫学与寄生虫病杂志*, 2010, 28(3):180-184.

著作

参编《分子寄生虫学》、《消除血吸虫病手册》、《WHO 人体血吸虫病控制和消除指南》、《非洲寄生虫病图谱》及《ADVANCES IN PARASITOLOGY -National Institute of Parasitic Diseases, China: 70 Years and Beyond》

专利

1. 基于界面 RPA 扩增的电化学核酸传感检测方法及试剂盒，ZL 2020102648508
2. 一种 RPA-EC 日本血吸虫检测试剂盒及检测方法，ZL 2020102644348
3. 一种血吸虫病电化学传感快速测定试剂盒及其检测方法和制备方法，ZL2013101183946
4. 一种多通道印刷电极阵列芯片，ZL 2013201854594
5. 一类活性化合物在制备杀灭日本血吸虫药物中的应用 ZL 2008100376550

荣誉及奖项

无

Profile			
Name: Wangping Deng Gender: Female Date of birth: 02/1984 Degree: PhD Title: Associate professor Email: dengwp@nipd.chinacdc.cn Address: 207 Ruijin Er Road, Shanghai, China Office Tel: 8621-64377008-8308			
Education			
2002.9-2006.7 Wuhan Institute of Technology, Bachelor in Bioengineering 2006.9-2009.3 East China University of Science and Technology, Master in Biochemistry and Molecular Biology 2013.9-2016.6 University of Chinese Academy of Sciences, Ph.D. in Inorganic Chemistry			
Appointments			
2009.7-2012.12 Research intern, Shanghai Institute of Applied Physics, Chinese Academy of Sciences 2013.1-2013.7 Assistant Researcher, Shanghai Institute of Applied Physics, Chinese Academy of Sciences 2016.8-2019.2 Postdoctoral, Chinese Center for Disease Control and Prevention 2019.3-2020.6 Assistant Researcher, Institute of Parasitic Diseases, Center for Disease Control and Prevention, 2020-present Associate Researcher, Institute of Parasitic Diseases, Chinese Center for Disease Control and Prevention.			
Academic Participation and Activities			
Serve as a young editorial board member of 《Chinese Journal of Parasites and Parasitic Diseases》 , 《Chinese Journal of Tropical Medicine》 and 《Schistosomiasis Control in China》			
Research Interest			
Molecular Diagnosis and Molecular Epidemiology of Schistosomiasis Carry out molecular diagnosis and molecular epidemiology of schistosomiasis based on the interdisciplinary integration of molecular biology, omics, analytical chemistry and epidemiology, to explore specific molecular markers of schistosomiasis, to develop new technologies for rapid, sensitive and accurate diagnosis and monitoring of schistosomiasis, in order to clarify the distribution of schistosomiasis at the molecular level, reveal the occurrence, development and epidemic law of schistosomiasis, evaluate the epidemic trend of schistosomiasis, and suggest the transmission risk and influencing factors in local areas.			

Projects

1. 2021.01-2023.12: Special general project of public health clinical research of Shanghai Municipal Health and Health Commission, Project leader.
2. 2021.11-2024.11, National Key Research and Development Program-Research on Pathogenesis of Important Threatening Human Parasitic Infections and prevention and control Intervention Technology, Task Package Leader.
3. 2021.01-2024.12, General Program of National Natural Science Foundation of China-Research on Influencing Factors and Risk Identification of Schistosomiasis Transmission in the Yangtze River Economic Zone, key participant.
4. 2020.12-2022.6, The key discipline project of the three-year action plan for the construction of Shanghai's public health system, key participant.
5. 2016.11-2018.12, General Program of China Postdoctoral Science Foundation, Project leader.

Publications

1. **Deng WP**, Wang SL, Wang LP, Lv C., Li YL, Feng T, Qin ZQ, Xu J *.Laboratory Evaluation of a Basic Recombinase Polymerase Amplification (RPA) Assay for Early Detection of *Schistosoma japonicum*. *Pathogens*, 2022,11,319.
2. Wang Q, Wen YL, Li Y, Liang W, Li W, Li Y, Wu JH, Zhu HC, Zhao KK, Zhang J, Jia NQ*, **Deng WP***, Liu G*. Ultrasensitive Electrochemical Biosensor of Bacterial 16S rRNA Gene Based on polyA DNA Probes. *Analytical Chemistry*. 2019,91:9277.
3. **Deng WP**, Dou YZ, Song P, Xu H, Gao JM, Lu JX, Song SP, Zuo XL. Lab on smartphone with interfaced electrochemical chips for onsite gender verification. *Journal of Electroanalytical Chemistry*, 2016,777:117.
4. **Deng WP**, Xu bin, Hu HY, Li JY, Hu W*, Song,SP*, Feng Z*, Fan CH*. Diagnosis of schistosomiasis japonica with interfacial co-assembly-based multi-channel electrochemical immunosensor arrays. *Scientific Reports*. 2013, 3: e1789.
5. Lv C, **Deng WP**, Wang LP, Qin ZQ, Zhou XN, Xu J*. Molecular Techniques as Alternatives of Diagnostic Tools in China as Schistosomiasis Moving towards Elimination, *Pathogens*, 2022, 11(3): 287
6. Dou YZ, Jiang ZN, **Deng WP**, Jing Su, Shixing Chen Haiyun Song Ali Aldalbahi , Xiaolei Zuo Shiping Song *, Jiye Shi, Chunhai Fan *.Portable detection of clenbuterol using a smartphone-based electrochemical biosensor with electric field-driven acceleration. *Journal of Electroanalytical Chemistry*,2016,781 ,339-344.
7. Su J, Liu W, Chen S X. **Deng WP**, Ding X. Song SP. A Carbon-Based DNA Framework Nano-Bio Interface for Biosensing with High Sensitivity and a High Signal-to-Noise Ratio. *ACS sensor*.2020,5(12), 3979-3987.
8. Chen SX, Su J. Zhao ZH. Shao Y. Dou YZ. Li F. **Deng WP**, Shi J.Y Li Q, Zuo XL. Song SP. Fan CH. DNA Framework-Supported Electrochemical Analysis of DNA Methylation for Prostate Cancers. *Nano letters*.2020.20 (10). 7028-7035.
9. Yang F, Zuo XL, Li ZH, **Deng WP**,Huang Q, Song SP. and Fan CH*. A bubble-mediated intelligent microscale electrochemical device for single-step quantitative bioassays. *Advanced Materials*. 2014, 26, 4671–4676.
10. Li SX, Zhang J, **Deng WP**, Shen XZ, Song SP, Fan CH*. A highly sensitive amperometric immunosensor for clenbuterol detection in livestock urine. *Electroanalysis*. 2013, 25(4), 867 – 873

Books

Participated in editing the Books titled 《Molecular Parasitology》, 《Manual of Schistosomiasis Elimination》, 《WHO Guidelines for Human Schistosomiasis Control and Elimination》, and 《Atlas of Parasitic Diseases in Africa》

Patents

1. An electrochemical nucleic acid sensing detection method and kit based on interface RPA amplification, ZL2020102648508
2. A RPA-EC Schistosoma japonicum detection kit and the detection method, ZL20201026443483.
3. A schistosomiasis electrochemical sensing rapid determination kit and a detection method ZL2013101183946.
4. A multi-channel printed electrode array chip, ZL2013201854594
5. Application of active compound in preparation of medicine for kill Schistosoma japonicum ZL2008100376550

Honors and Awards