

吕志跃个人简历

一、个人基本情况

医学博士，教授，博士生导师，寄生虫学教研室主任，八年制医学生全程导师，兼任海南医学院副校长（挂职），玛希隆大学（Mahidol University）客座教授。2005年于中南大学湘雅医学院获医学博士学位，2007年于中山大学中山医学院博士后出站并留校。2010年赴德国马普分子遗传学研究所进行科研交流与合作。2012年被选拔为国家留学基金“青年骨干教师”赴美国韦恩州立大学医学院公派留学一年。主持国家重点研发项目课题、国家自然科学基金（3项）、广东省国际科技合作重点项目等16项课题，经费总额超过800万。在国内外专业学术期刊发表论文超过100篇，其中SCI论文60余篇（通讯作者/第一作者33篇）。获得3项国家发明专利、5项实用新型专利以及1项省部级科学进步一等奖。主编、参编国家规划教材11部，参编、审阅科普书籍和视频数十部。主持3项教学改革项目（含1项重点项目），获广东省教学成果一等奖1项。主持12项国家级和省级大学生创新训练项目等本科生科研项目，指导学生3次获得“全国大学生基础医学创新论坛暨实验设计大赛”一等奖。

二、研究方向

从事分子病原生物学、病原疫苗开发与药物研制、重要入侵病原快速溯源等领域的研究工作。

三、发表的学术论文和专著（第1作者或通讯）

1. Huang P, Zhou MY, Cheng SY, Hu Y, Gao MZ, Ma YB, Limpanont Y, Zhou HL, Paron D, Cheng YX, Lv ZY*. Myricetin possesses anthelmintic activity and attenuates hepatic fibrosis via modulating TGF β 1 and Akt signaling and shifting Th1/Th2 balance in *Schistosoma japonicum*-infected mice. *Front Immunol.* 2020, DOI: 10.3389/fimmu.2020.00593.
2. Zhou HL, Chen Z, Limpanont Y, Hu Y, Ma YB, Huang P, Paron D, Zhou MY, Cheng YX, Lv ZY*. Necroptosis and caspase-2-mediated apoptosis of astrocytes and neurons, but not microglia, of rat hippocampus and parenchyma caused by *Angiostrongylus cantonensis* infection. *Front Microbiol.* 2020,10:3126.

3. Xu L, Xu M, Sun X, Xu JY, Zeng X, Shan D, Yuan DJ, He P, He WM, Yang YL, Luo SQ, Wei J, Wu XY, Liu Z, Xu XM, Dong ZS, Song LG, Zhang BB, Yu ZL, Wang LF, Zhang C, Fang XD, Gao Q*, **Lv ZY***, Wu ZD*. The genetic basis of adaptive evolution in parasitic environment from the *Angiostrongylus cantonensis* genome. *PLOS Neglect Trop D*, 2019,13(11):e0007846.
4. Zhang HR, Wu YQ, Hu Y, Li XF*, Zhao MY*, **Lv ZY***. Targeted nanoparticle drug delivery system for the enhancement of cancer immunotherapy. *J Biomed Nanotechnol*. 2019,15(9): 1839-1866.
5. Shen SS, Qu XY, Zhang WZ, Li J, **Lv ZY***. Infection against infection: Parasite antagonism against parasites, viruses and bacteria. *Infect Dis Poverty*. 2019,8(1):49.
6. Hu Y, Gao MZ, Huang P, Zhou HL, Ma YB, Zhou MY, Cheng SY, Xie HG*, **Lv ZY***. Taxonomic integrative and phylogenetic identification of the first recorded *Triatoma rubrofasciata* in Zhangzhou, Fujian Province and Maoming, Guangdong Province, China. *Infect Dis Poverty*. 2019, 8(1):70.
7. Deng MH, Zhong LY, Kamolnetr O, Limpanont Y, **Lv ZY***. Detection of helminths by loop-mediated isothermal amplification assay: A review of updated technology and future outlook. *Infect Dis Poverty*. 2019,8(1):20.
8. Zhu GL, Tang YY, Limpanont Y, Wu ZD, Li J*, **Lv ZY***. Zoonotic parasites carried by invasive alien species in China. *Infect Dis Poverty*. 2019 8(1):2.
9. Liu XL, Zhu GL, Cai CN, **Lv ZY***, Li J*. Clonorchiasis sinensis detected by laparoscopic exploration of biliary tracts in two patients with obstructive jaundice. *BMC Infect Dis*. 2019,19(1):33.
10. Wu YQ, Liu JQ, Lin YF, Weng RN, Chen R, Li J, **Lv ZY***. Diagnosis, Monitoring, and Control of Schistosomiasis - An Update. *J Biomed Nanotechnol*. 2018,14(3):430-455.
11. Lu XT, Gu QY, Limpanont Y, Song LG, Wu ZD, Okanurak K, **Lv ZY***. Snail-borne parasitic diseases: an update on global epidemiological distribution, transmission interruption and control methods. *Infect Dis Poverty*. 2018,7(1):28

12. Mengying Z, Yiyue X, Tong P, Yue H, Limpanont Y, Ping H, Okanurak K, Yanqi W, Dekumyoy P, Hongli Z, Watthanakulpanich D, Zhongdao W, Zhi W, **Zhiyue L***. Apoptosis and necroptosis of mouse hippocampal and parenchymal astrocytes, microglia and neurons caused by *Angiostrongylus cantonensis* infection. *Parasit Vectors*. 2017,10(1):611.
13. Liu J, Xu YY, He XJ, Zheng MH, Zhang MY, Hu Y, Wu YQ, Song LG, Zeng X, Lin DT, Wang S, Zheng HQ, Wu ZD, **Lv ZY***. Study on the tolerance and adaptation of rats to *Angiostrongylus cantonensis* infection. *Parasitol Res*. 2017, 116(7):1937-1945.
14. Zheng SH, Zhu Y, Zhao ZJ, Wu ZD, Okanurak K, **Lv ZY***. Liver fluke infection and cholangiocarcinoma: a review. *Parasitol Res*. 2017,116(1):11-19.
15. Wang M, Wu LX, Weng RN; Zheng WH, Wu ZD, **Lv ZY***. Therapeutic potential of helminths in autoimmune diseases: helminth-derived immune-regulators and immune balance. *Parasitol Res*. 2017, 116(8):2065-2074.
16. Lin WH, Chen R, He XJ, Wu ZD, Paron D, **Lv ZY***. Parasites and asthma. *Parasitol Res*. 2017,116(8):2373-2383.
17. He P, Song LG, Xie H, Liang JY, Yuan DY, Wu ZD, **Lv ZY***. Nucleic acid detection in the diagnosis and prevention of schistosomiasis. *Infect Dis Poverty*. 2016,5:25.
18. Song LG, Wang ZW, Yang Z, **Lv ZY***, Wu ZD*. *Angiostrongylus cantonensis* in the vector snails *Pomacea canaliculata* and *Achatina fulica* in China: a meta-analysis. *Parasitol Res*. 2016,115(3):913-923.
19. Liu J, Pan T, You X, Xu Y, Liang J, Limpanont Y, Sun X, Okanurak K, Zheng H, Wu Z, **Lv Z***. SjCa8, a calcium-binding protein from *Schistosoma japonicum*, inhibits cell migration and suppresses nitric oxide release of RAW264.7 macrophages. *Parasit Vectors*. 2015,8:513.
20. Feng F, Feng Y*, Liu Z, Li WH, Wang WC, Wu ZD, **Lv ZY***. Effects of albendazole combined with TSII-A (a Chinese herb compound) on optic neuritis

caused by *Angiostrongylus cantonensis* in BALB/c mice, *Parasites & Vectors*. 2015,11(25):8

21. Wei J, Wu F, He A, Zeng X, Ouyang LS, Liu MS, Zheng HQ, Lei WL, Wu ZD*, **Lv ZY***. Microglia activation: one of the checkpoints in the CNS inflammation caused by *Angiostrongylus cantonensis* infection in rodent model. *Parasitol Res*. 2015,114(9):3247-3254.

22. **Lv ZY***, Wu ZD*, Zhang LM, Ji PY, Cai YF, Luo SQ, Wang HX, Li H. Genome mining offers a new starting point for parasitology research. *Parasitol Res*. 2015,114(2):399-409.

23. Ji PY, Hu HL, Yang XY, Wei XX, Zhu CC, Liu JC, Feng Y, Yang F, Okanurak K, Li N, Zeng X, Zheng HQ, Wu ZD, **Lv ZY***. AcCystatin, an immunoregulatory molecule from *Angiostrongylus cantonensis*, ameliorates the asthmatic response in an aluminium hydroxide/ovalbumin-induced rat model of asthma. *Parasitol Res*. 2015,114(2):613-624.

24. Yang F, Long EP, Wen JH, Cao L, Zhu CC, Hu HX, Ruan Y, Okanurak K, Hu HL, Wei XX, Yang XY, Wang CF, Zhang LM, Wang XY, Ji PY, Zheng HQ, Wu ZD*, **Lv ZY***. Linalool, derived from *Cinnamomum camphora* (L.) Presl leaf extracts, possesses molluscicidal activity against *Oncomelania hupensis* and inhibits infection of *Schistosoma japonicum*. *Parasit Vectors*. 2014, 7:407.

25. Li ST, Yang F, Ji PY, Zeng X, Wu XY, Wei J, Ouyang LS, Liang JY, Zheng HQ, Wu ZD, **Lv ZY***. Eosinophil chemotactic chemokine profilings of the brain from permissive and non-permissive hosts infected with *Angiostrongylus cantonensis*. *Parasitol Res*. 2014, 113(2):517-525.

26. Zeng X, Wang J, Wei J, Wu F, Feng F, Wu XY, Sun X, Zheng HQ, **Lv ZY***, Wu ZD*. *Angiostrongylus cantonensis*: tegumental and hypodermic alterations of the fourth-stage larvae following administration of tribendimidine in vivo and in vitro. *Parasitol Res*. 2013, 112(8):3035-3040.

27. Zeng X, Wei J, Wang J, Wu F, Fung F, Wu X, Sun X, Zheng H, **Lv ZY***, Wu Z*. *Angiostrongylus cantonensis*: scanning electron microscopic observations on the cuticle of moulting larvae. *Korean J Parasitol.* 2013, 51(6):633-636.
28. Zhao J, **Lv ZY #**, Wang FZ, Wei J, Zhang QX, Li ST, Yang F, Zeng X, Wu XY, Wu ZD. Ym1, an eosinophilic chemotactic factor, participates in the brain inflammation induced by *Angiostrongylus cantonensis*. *Parasitol Res.* 2013, 112(7):2689-2695.
29. Han YP, Li ZY, Li BC, Sun X, Zhu CC, Ling XT, Zheng HQ, Wu ZD*, **Lv ZY***. Molecular cloning and characterization of a cathepsin B from *Angiostrongylus cantonensis*. *Parasitol Res.* 2011, 109(2):369-378.
30. Liu YH, Han YP, Li ZY, Wei J, He HJ, Xu CZ, Zheng HQ, Zhan XM, Wu ZD*, **Lv ZY***. Molecular cloning and characterization of cystatin, a cysteine protease inhibitor, from *Angiostrongylus cantonensis*. *Parasitol Res.* 2010, 107(4):915-922.
31. Zhou YP, Wu ZD, Yang LL, Sun X, You X, Yu XB, Hu W, Zheng HQ, **Lv ZY***. Cloning, molecular characterization of a 13-kilodalton antigen from *Schistosoma japonicum*, Sj13, a putative salivary diagnosis candidate for schistosomiasis japonica. *Parasitol Res.* 2009, 105(5):1435-1444.
32. **Lv ZY #**, Yang LL, Hu SM, Sun X, He SJ, Li ZY, Han YP, Wu ZD*. Expression profile, localization of an 8-kDa calcium-binding protein from *Schistosoma japonicum* (SjCa8), and vaccine potential of recombinant SjCa8 (rSjCa8) against infections in mice. *Parasitol Res.* 2009, 104(4):733-743.
33. Yang LL, **Lv ZY #**, Hu SM, He SJ, Li ZY, Zhang SM, Wu ZD. *Schistosoma japonicum*: Proteomics analysis of differentially expressed proteins from ultraviolet-attenuated cercariae compared to normal cercariae. *Parasitol Res.* 2009, 105(1):237-248.

四、获得的学术成果奖励

1. 吕志跃：我国重要寄生虫虫种资源库的构建与应用；上海市人民政府；上海市科技进步一等奖；

2. 吴忠道, 何蔼, 吕志跃, 吴瑜, 吕芳丽, 李学荣, 郑小英, 黄艳; 以建材建设为抓手, 提升《人体寄生虫学》课程教学质量的探索与实践; 广东省教育厅; 第八届广东省教育教学成果一等奖。

五、获得的发明专利(标注名次)

1. 吕志跃, 吴忠道, 张丽梅, 杨帆, 王晓莹, 潘彤, 刘记, 李浩, 李梓雄, 孙希; α -生育酚在制备治疗血吸虫病药物中的应用; 发明专利; 专利号: ZL201510630548.9; 授权时间: 2018年06月22日-2038年06月21日;

2. 吕志跃, 邬燕琪, 徐一月, 吴忠道, 刘记, 胡玥, 张梦颖; 一种寄生虫虫卵富集装置; 实用新型专利; 专利号: ZL201621425690.0; 授权时间: 2017年08月04日-2027年08月03日;

3. 邬燕琪, 吕志跃, 徐一月, 吴忠道, 刘记, 胡玥, 张梦颖; 一种寄生虫虫卵的富集观察装置; 实用新型专利; 专利号: ZL201621425689.3; 授权时间: 2017年07月18日-2027年07月17日;

4. 邬燕琪, 吕志跃, 徐一月, 吴忠道, 刘记, 胡玥, 张梦颖; 一种寄生虫虫卵的检测装置; 实用新型专利; 专利号: ZL201621427360.0; 授权时间: 2017年07月18日-2027年07月17日;

六、主持过的科研项目(项目名称; 项目编号; 级别; 经费; 起止日期)

1. 医学寄生虫种质资源库的建设与应用; 广东省科技计划项目; 100万; 2019.9-2022.9;

2. 趋化因子 CCL8 在广州管圆线虫-宿主适应性中的作用及其机制研究; 国家自然科学基金面上项目; 70万; 2017.1-2019.12;

3. 广州管圆线虫感染所致小鼠神经元坏死性凋亡的作用机制研究; 国家自然科学基金面上项目; 65万; 2016.1-2018.12;

4. 国家寄生虫种质资源共享服务平台; 科技部重大平台项目; 100万; 2018.1-2023.12;

5. 病原传播相关入侵生物分子标识与精准溯源技术研究; 科技部重点研发计划项目分课题; 215万; 2017.1-2019.12;

6. 广东-泰国重要螺传寄生虫病的防治研究；广东省科技计划项目；50万；2015.1-2017.12。

七、获得的学术荣誉

1. 指导第三届全国大学生基础医学创新论坛暨实验设计大赛，获医学学科组一等奖；

2. 2010年入选为广东省高等学校“千百十”工程培养对象；

3. 2012年至今3次评为中山大学“优秀学生导师”；

4. 2014年、2016、2019年评为中山大学“优秀党员”；

5. 2018年被评为中山大学“优秀党务工作者”、中山医学院“优秀教师”。

八、学术兼职

1. 国家卫生健康标准委员会专业委员会委员；

2. 广东省博士后理事会副理事长；

3. 广东省寄生虫学会秘书长；

4. 中国地方病协会热带病专业委员会委员；

5. 中华预防医学会医学寄生虫学分会教育学组委员会委员；

6. 广州市医学会细胞形态学诊断分会常务委员；

7. 《热带医学杂志》、《热带病与寄生虫学》常务编委。