Liwen ZHANG

+86 15656052610 | E-mail:zhangliwen@westlake.edu.cn |Personal main page : robinzzi.github.io
School of Biology Science
Westlake University, Dunyu Road 600, Hangzhou, Zhejiang P.R. China

Education

University of Science and Technology of China, Hefei, Anhui, China   Sep. 2016 - Jun.2020
- **Bachelor of Science** in Biology
- **Weighted Average:** 75/100
- **Ranking:** 24/70
- **Two years** experience in **Medical Special Class**
- **Honor:** Excellent Student Scholarship **(Top 25%)**

University of Science and Technology of China, Hefei, Anhui, China   Jun. 2020 - May.2022
- Master candidate
- Quit in 2022

Westlake University, Hangzhou, Zhejiang, China   Sep.2022 – Present
- Originally enrolled in Ph.D. Program, transitioned to a master's program in 2024
- Expected graduate in Jun.2025

Research Experience

Genomics & Bioinformatics
Westlake University
Advisor: *Prof. Yanxiao Zhang*   Lab of Computational and Functional Genomics   Jan.2022 - Present
- Performed integrated analysis of transposon expression level, DNA methylation level, and mutation information for each tumor type in the TCGA data.
- Worked on multi-omics(scRNA+scWGBS) data from a set of HCC patients, identified certain hypo-methylation area regions in certain unique patient lesions, validated two potential DNA methylation regulators in HCC.

Immunity & Bioinformatics
USTC
Advisor: *Prof. Wen Pan*   Lab of Tumor Regulation and Epigenetics   June. 2019 - Dec.2021
- Found a new N1-histidine methylation and its interactant, confirmed its function in tumor growth.
- Confirmed the location of a kind of neurotransmitter receptor in gut.
- Collected bladder cancer samples from the affiliated hospital of USTC for single-cell RNA-seq
- Responsible for bioinformatics consulting and analysis for other lab members.

Synthetic Biology
Team-USTC, **iGEM** - International Genetically Engineering Machine Competition (2017, 2018)
Advisor: ***Prof. Haiyan Liu***   Nov. 2016 - Nov. 2019
- Proposed building photo-electro-bio universal reduction reaction catalysis system in *E. coli* (2017)
- Proposed modifying-allowed-protein decorated bacterial cellulose for multi-functional air filter, and in-situ grown ultrathin bacterial cellulose decorated with cellulose binding domain linking targeting protein produced by *E.coli*(2018)
- Presented our results at the international Jamboree in Boston

Work Experience

Shanghai Guancha Information Technology, Shanghai, China   Sep. 2018 - Dec.2020
- **Part-time video director**
- **Responsible for writing, filming and editing**
- **Main Works**：Yuan's Multiverse Series(Over 50M views and 5M followers in the whole Internet)

Skills

Experimental skills: Molecular cloning, Mouse housekeeping,   Cell culture and passage
Programming and Software: R, Python, Mathematica, Origin, Markdown, WordPress, Adobe Premiere Pro
Performance Agent Qualification Certificate（Verified by the Ministry of Culture and Tourism of the People's Republic of China）
C1 Driver License（Verified by the Ministry of Transport of the People's Republic of China）

Publication

M. Lv[*], D. Cao[*#], **L. Zhang**, C. Hu, S. Li, P. Zhang, L. Zhu, X. Yi, C. Li, A. Yang, Z. Yang, Y. Zhu, K. Zhang, Pan, W[#]. METTL9 mediated N1-histidine methylation of zinc transporters is required for tumor growth. 2021. ***Protein & Cell***.

Conference and Activities

Teaching Assistant of Microbiology Class	2018 & 2019
Outstanding Student Leaders**,** USTC	Sep. 2018 & Sep. 2019
Bronze Medal. iGEM Jamboree. *(2018.igem.org/Team: USTC)*	Oct. 2018
Silver Medal. iGEM Jamboree. *(2017.igem.org/Team: USTC)*	Oct. 2017
Volunteer for Science and Technology Week host by Chinese Academy Society	May. 2017 & May. 2018

张力文

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生命科学学院

浙江省杭州市西湖区墩余路 600 号西湖大学

教育经历

中国科学技术大学, 中国安徽省合肥市   2016 年 9 月 – 2020 年 6 月
- **生物学学士**
- **加权平均分:** 75/100
- **年级排名:** 24/70
- **两年医学英才班经历**
- **两次获得优秀学生奖学金铜奖(前 25%)**

中国科学技术大学, 中国安徽省合肥市   2020 年 9 月 – 2022 年 5 月
- 硕士研究生
- 2022 年退学

西湖大学, 中国浙江省杭州市   2022 年 9 月至今
- 2022 年录取为博士项目，2024 年转为硕士项目
- 预期毕业时间为 2025 年 6 月

研究经历

基因组学与生物信息学
西湖大学
导师：张延晓教授   计算与功能基因组学实验室   2022 年 1 月至今
- 整合分析 TCGA 数据库中不同癌症的转录组信息，DNA 甲基化信息，
- 整合分析肝癌病人多组学（单细胞 RNA+单细胞 WGBS+WES）数据.

免疫学与生物信息学
中国科学技术大学
导师：潘文教授   肿瘤调控与表观遗传实验室   2019 年 6 月 – 2021 年 12 月
- 发现一种新的 N1-组氨酸甲基化及其相互作用物，证实其在肿瘤生长中的作用。
- 证实了一种神经递质受体在肠道中特定的表达分布。
- 参与收集膀胱癌样本单细胞 RNA 测序项目。
- 负责为其他实验室成员提供生物信息学咨询和分析。

合成生物学
中国科大代表队, **iGEM** – 国际遗传工程大赛 (2017, 2018)
导师：刘海燕教授   2016 年 11 月 – 2019 年 11 月
- 在大肠杆菌中构建光电生物通用还原反应催化系统(2017)
- 在大肠杆菌中构建允许蛋白装饰的可用于空气过滤的细菌纤维素(2018
- 在波士顿的国际大会上展示成果

工作经历

上海观察者信息科技有限公司, 中国上海市   2018 年 9 月-2020 年 12 月
- 兼职视频编导
- 负责视频的文稿撰写，拍摄，后期制作
- 主要工作：科技袁人系列(全网播放超过五千万，粉丝超过五百万)

技能

实验技能: 分子克隆，实验用鼠养殖，细胞培养
编程与软件: R, Python, Mathematica, Origin, Markdown, WordPress, Adobe Premiere Pro
演出经纪人资格证
C1 驾照
大学英语 6 级

论文

M. Lv[*], D. Cao[*#], **L. Zhang**, C. Hu, S. Li, P. Zhang, L. Zhu, X. Yi, C. Li, A. Yang, Z. Yang, Y. Zhu, K. Zhang, Pan, W[#]. METTL9 mediated N1-histidine methylation of zinc transporters is required for tumor growth. 2021. ***Protein & Cell***.

其他活动

微生物学课程助教   2018 & 2019
优秀学生干部, 中国科学技术大学   2018 年 9 月 & 2019 年 9 月
铜牌. iGEM 大会. *(2018.igem.org/Team: USTC)*   2018 年 10 月
银牌. iGEM 大会. *(2017.igem.org/Team: USTC)*   2017 年 10 月
志愿者, 中国科学院   2017 年 5 月 & 2018 年 5 月