

# 西湖大学生命科学学院张延晓实验室博士后招聘 启事

## 一、 实验室简介

PI 简介：张延晓博士于 2010 年毕业于北京大学生命科学学院（本科）。2016 年获得密歇根大学生物信息学博士和统计学硕士。2016 年至今在路德维格癌症研究所（加州大学圣地亚哥分部）从事博士后研究（导师任兵）。曾以第一作者或共同第一个作者身份在 Nature, Nature Genetics, Bioinformatics 等杂志发表学术论文，并获得美国 NIH pathway-to-independence K99 项目 100 万美元科研资助。将于 2022 年初正式加入西湖大学，诚邀有志于研究基因组学和生物信息学，对衰老和癌症等生物学问题感兴趣的科研人才加入我们的团队。

实验室方向：本实验室将致力于利用功能基因组学和计算生物学的工具来探究衰老和癌症的机理。特别是在表观遗传学方面，我们将着眼于异染色质（转录抑制区域），重复序列和转座子的异常激活对于癌症和衰老的影响。同时本实验室也密切关注各类前沿实验技术（包括但不限于单细胞多组学测序，三维基因组学，CRISPR 基因编辑等等）和生物信息学分析方法的开发和应用。

实验室网站：<https://zhangyxlabs.github.io/>

西湖大学网站：

[https://sls.westlake.edu.cn/Our\\_Faculty/202108/t20210825\\_12077.shtml](https://sls.westlake.edu.cn/Our_Faculty/202108/t20210825_12077.shtml)

## 二、 招聘岗位及条件

招聘岗位：基因组方向博士后（1-2 名）和生物信息学方向博士后（1-2

名)

任职条件:

1. (基因组方向) 拥有基因组学、生物化学、分子生物学、遗传学或者相关专业的博士学位; 具备分子、生化、细胞培养、基因组学等方面实验背景; 熟悉高通量测序技术。具有表观遗传学或 CRISPR 基因编辑等研究经验者将优先考虑。
2. (生物信息学方向) 拥有计算生物学、生物信息学、生物统计等相关专业的博士学位; 具有编程和大数据整合分析能力, 最好能开发算法和利用统计学方法对基因组数据进行分析 and 展示。具有表观遗传学、单细胞组学或者出色的统计/计算背景的人将优先考虑。对计算和编程有浓厚兴趣和经验的生物学博士也欢迎申请。
3. 具有出色的沟通能力和乐于合作的精神。我们非常鼓励组内和组外的合作。
4. 具有良好的英文沟通和阅读写作的能力。
5. 原则上年龄不超过 35 周岁; 已取得或即将取得博士学位。

### **三、薪酬待遇**

根据个人科研工作能力和博士后有关规定从优发放。实验室将提供稳定的工作环境与一流的研究平台, 协助申报博士后相关项目, 并根据兴趣与需求支持个人的职业发展。

对获得中国博士后科学基金资助和浙江省博士后择优项目资助的, 杭州市给予 1:1 配套资助。对出站留杭(来杭)工作的博士后, 杭州市给予每人 40 万元补助。

#### **四、应聘方式**

请将以下材料以 PDF 形式发送至 [zhangyanxiao@westlake.edu.cn](mailto:zhangyanxiao@westlake.edu.cn), 邮件标题请注明: “应聘博士后+本人姓名”, 对于符合要求并通过初审者, 将会通知安排面试。招聘启事在岗位招满前有效。

1. 申请信 (简要说明您的研究经历和对我们实验室的兴趣);
2. 个人简历 (应包括详细学习工作经历, 研究内容与发表文章);
3. 2-3 位同行专家的推荐信 (包含博士导师) 或联系方式; 推荐信请由推荐人发至 [zhangyanxiao@westlake.edu.cn](mailto:zhangyanxiao@westlake.edu.cn);
4. 博士学历学位证明材料;
5. 其他您认为重要的辅助材料 (比如 Github 代码, 未来工作构想等等)。

## **Postdoc position in Yanxiao Zhang Lab, School of Life Sciences**

### **Introduction of the Lab/ Research Field**

**About the PI:** Dr. Yanxiao Zhang received his bachelor's degree in Biotechnology from Beijing University in 2010. He then obtained a PhD degree in Bioinformatics (advisor: Dr. Maureen Sartor) and master's degree in Statistics from the University of Michigan in 2016. He completed his postdoctoral work in Dr. Bing Ren's lab at Ludwig Institute for Cancer Research (UCSD branch), studying the dynamics of chromatin states during mammalian

development (as part of ENCODE) and 3-dimensional chromatin structure.

**About the Lab:** Our lab will use computational and functional genomics tools to study the mechanisms of aging and cancer, with a primary focus on epigenetic regulations. We will investigate how the dysfunction of heterochromatin, repetitive elements and transposons contributes to the oncogenic and aging processes.

Lab website: <https://zhangyxlabs.github.io/>

Lab page on Westlake University:

[https://sls.westlake.edu.cn/Our\\_Faculty/202108/t20210825\\_12077.shtml](https://sls.westlake.edu.cn/Our_Faculty/202108/t20210825_12077.shtml)

### **Job Description**

Position: Experimental (1-2) or Computational (1-2) Postdoctoral Fellow

Requirements:

- 1) For experimental position, an ideal candidate should have obtained (or is expected to obtain) a PhD degree in Genomics/Biochemistry/Molecular Biology/Genetics or related field, and have experiences in molecular biology, biochemistry, cell culture, genomics and other “wet lab” techniques. Experience in epigenetics or CRISPR genome editing is highly desirable.
- 2) For computational position, an ideal candidate should have obtained (or is expected to obtain) a PhD degree in Computational Biology/Bioinformatics/Biostatistics or other quantitative science field. Skills to program and analyze large-scale datasets or to develop algorithms and statistical methods to analyze data are required. Candidates with experience in epigenomics, single-cell genomics or strong background in computation/statistics will be highly desirable. We also welcome candidates with a non-computational PhD but with strong interest and experience in computation and programming to apply.
- 3) Excellent communication skills and collaborative spirits are required. We encourage within and between group collaborations.
- 4) Proficient in communicating, reading, and writing in English.
- 5) Having obtained or about to obtain a Ph.D. degree, aged under 35.

### **Compensation and Benefits**

The research team offers a competitive compensation package commensurate with the selected candidate's qualifications and experience. Applications for relevant projects and programs will be encouraged and supported.

Postdoc(s) selected for China Postdoctoral Science Foundation or Zhejiang Province Selected Funding for Postdoctoral Research Projects will be entitled to further receive a supporting fund of the same amount from the Hangzhou municipal government.

Postdoc(s) who work in Hangzhou on a full-time basis after completing their postdoctoral research will be eligible for applying an allowance of 400,000RMB from the Hangzhou municipal government.

**How to Apply**

To apply, please send the following documents in English in PDF format to [zhangyanxiao@westlake.edu.cn](mailto:zhangyanxiao@westlake.edu.cn), and indicate “Postdoc Application [Your Name]” in the email subject.

- Cover letter indicating your experience and your interest in our lab
- CV (includes your education and work experience, and publications)
- 2-3 reference letters (at least one from PhD advisor) or their contact info. In the former case, please have your referee send their letters to [zhangyanxiao@westlake.edu.cn](mailto:zhangyanxiao@westlake.edu.cn)
- Doctoral Degree Certificate
- Any other optional documents (such as Github profile, research plan etc.)