

Re: Postdoc positions in super-resolution microscopy and cell biology

March 9, 2020

**Position Title:**

1. Postdoc position in super-resolution microscopy (Job ID: JPF05515)
2. Postdoc position in cell biology (Job ID: JPF05515)

**Position Description:**

Xiaoyu Shi's lab at the University of California, Irvine, is looking for highly motivated, and talented postdoctoral fellows to fill two postdoc positions. Competitive candidates should be interested in at least one of the following areas: super-resolution microscopy, expansion microscopy, structural biology, cell signaling, live-cell imaging, single-particle tracking, microfluidics, single-cell multiomics (transcriptomics, proteomics, etc.), computational imaging, systems biology, biochemistry, and protein engineering. Postdoctoral candidates should have experience and a publication track record in any of the above fields.

1. The primary job function for the postdoc position in super-resolution microscopy is to conduct research in the area of superresolution microscopy in the lab. This includes (a) taking a primary role in ongoing superresolution microscopy development projects; (b) leading or participating in projects on imaging-based single-cell multiomics.
2. The primary job function for the postdoc position in cell biology is to conduct research in structural biology and cell signaling in the lab. This includes a) leading projects on structural study of nuclear periphery, chromatin organization, and other cellular organelles using super-resolution microscopy; b) leading or participating in projects on Hedgehog signaling pathway; c) generating stable cell lines.

Upon arrival, the postdocs will be further trained on super-resolution microscopy and expansion microscopy (if needed). The postdoc will also have freedom to develop new projects and new collaborations according to their research interests.

**Career development support:**

Postdocs and students in Shi's Lab are financially supported for one national or international meeting per year, and unlimited local meetings. The UCI campus offers numerous training programs and workshops for postdocs in leadership building, teaching skill enhancement, career development, and early career fellowship application. The PI fully supports postdocs to attend these events, and will help with their networking and fellowship application.

**Employer:** Xiaoyu Shi

Assistant Professor, Department of Developmental and Cell biology, UC Irvine

Faculty profile: <https://devcell.bio.uci.edu/faculty/xiaoyu-shi/>

Lab page: <https://xyushi.wixsite.com/xshi>

The University of California is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

**To apply**, please submit to [xiaoyu.shi@uci.edu](mailto:xiaoyu.shi@uci.edu)

- Curriculum Vitae
- Brief summary of previous work and research interests

Sincerely,

A handwritten signature in black ink that reads "Xy Shi". The signature is written in a cursive, flowing style.

Xiaoyu Shi, Ph. D.  
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