

Postdoctoral Researcher – Biochemistry Wang Lab

A postdoctoral training position is available in the laboratory of [Wang Lab](https://labs.utsouthwestern.edu/wang-jinfan-lab) (<https://labs.utsouthwestern.edu/wang-jinfan-lab>) in the Department of Biochemistry at UT Southwestern Medical Center to study the biochemistry and biophysics of RNA and translation. Our laboratory Wang Lab has several exciting projects related to elucidating the dynamic mechanisms governing cytosolic and mitochondrial translation.

The Wang Lab is dedicated to elucidating the dynamic mechanisms governing cytosolic and mitochondrial translation. We accomplish this by integrating quantitative biochemical, single-molecule fluorescence biophysical, structural, and genetics approaches. The quantitative models established in our work will pave the way to understand how protein synthesis in either of the cellular compartments is dysregulated in human diseases and guide the identification of novel therapeutic targets.

Expectations

- Self-motivated and excited about biochemistry, RNA, and translation.
- Willing to apply for postdoctoral fellowships.
- Present ongoing research at local and international conferences.
- Publish your research in peer-reviewed, first-author papers.
- Excited to learn and contribute to the growth mindset philosophy of our group.
- Excited to work collaboratively both within the group and with external research groups.
- Be rigorous, transparent, and ethical in your research.
- Be respectful to all members of the lab and broader UTSW community.
- Provide weekly written updates to the PI prior to each weekly meeting.
- Plan to be a member of the group for at least 2-3 years

Responsibilities

- Help establish a research program focused on the dynamic mechanisms of cytosolic and mitochondrial translation using biochemical, single-molecule fluorescence biophysical, cryo-EM, and/or genetics methods.
- Independently lead research projects that contribute to the overall goals of the group and result in first-author publications.
- Secondary responsibilities include mentoring graduate students and research technicians and contributing positively to the lab community and intellectual environment.

Minimum Qualifications

- A Ph.D. degree in biochemistry, biophysics, biology, or a related discipline.
- At least one published first-author paper in a peer-reviewed journal.
- A strong foundation in hypothesis-driven, basic research.
- Experience with biochemical, structural, biophysical, or cell biology approaches.
- Excellent written and verbal communication skills.
- A meticulous attention to detail and record keeping.
- Independently motivated to think, plan, conduct, and analyze experiments.

Information on our postdoctoral training program, benefits, and a virtual tour can be found at <http://www.utsouthwestern.edu/postdocs>.

Interested individuals should send an email to PI (Jinfan Wang) and include a CV (with publications and contact information for 3 references listed) and a one-page cover letter that includes:

- A summary of your past research experiences and accomplishments.
- Potential research questions you are excited about in the Wang Lab and why you could be a great fit.
- Your goals for your postdoctoral training period.
- Your current long-term career goals and ideal time frame for the next steps.
- Your potential start date

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[Wang Lab Website](#)
[Jinfan Wang Faculty Profile](#)

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