

Postdoctoral Position Available – Single Particle Tracking of RNA in Live Cells

A unique opportunity is available for a **highly motivated postdoctoral fellow** to join an exciting interdisciplinary collaboration between the laboratories of **Dr. Swathi Yadlapalli** (Department of Cell & Developmental Biology; yadlapallilab.org) and **Dr. Nils G. Walter** (Department of Chemistry; <https://sites.lsa.umich.edu/walter-lab>) at the University of Michigan, Ann Arbor. This joint project seeks to uncover the dynamics of **RNA molecules at the single-particle level in live cells** using state-of-the-art single molecule fluorescence microscopy and live-cell imaging tools.

Our goal is to understand how specific RNA molecules are spatially and temporally organized within cells to regulate eukaryotic gene expression and cellular function. This research is **based on recent breakthrough discoveries** of the two labs and lies at the **interface of RNA biology and cell biophysics**, offering an exciting platform for discovery at the cutting edge of molecular and cellular biology with impact on human health.

We are seeking an enthusiastic scientist with a Ph.D. in **biophysics, cell biology, RNA biology, bioengineering, and/or a related field** who is excited to work in a highly collaborative and innovative environment. Experience in any of the following areas is desirable: **live-cell imaging, RNA biology, single molecule techniques, fluorescence microscopy, or image analysis**.

The University of Michigan offers a rich research environment and vibrant scientific community, situated in the heart of Ann Arbor—consistently ranked as one of the most livable cities in the U.S.

Interested candidates should email their **CV**, a **cover letter** summarizing research interests and career goals, and contact information for **three references** to:

Dr. Swathi Yadlapalli: swathi@umich.edu or

Dr. Nils Walter: nwalter@umich.edu