

# Postdoctoral Position, expression regulation of polarity genes in zebrafish - University of Pittsburgh

A postdoctoral position at the University of Pittsburgh to study the expression regulation of polarity genes in zebrafish

We are looking for a self-motivated postdoc to study the expression regulation of polarity genes by using recombinant DNA technologies, RNA and DNA FISH, immunohistochemistry, confocal microscopy, and transgenic zebrafish etc. Candidates should have a PhD in developmental biology, genetics, molecular biology, or cell biology. Applicants shall send a cover letter and a CV to Dr. Xiangyun Wei at [weix@upmc.edu](mailto:weix@upmc.edu) (Xiangyun Wei, Ph.D., Associate Professor, University of Pittsburgh School of Medicine, Pennsylvania, United States)

It is highly recommended that the applicants discuss his or her research interests on Wei lab's publications by email. Five representative papers are listed as follows:

[Guo, C., Zou, J., Wen, Y., Fang, W., Stolz, D.B., Sun, M., Wei, X. \(2018\) Apical Cell-Cell Adhesions Reconcile Symmetry and Asymmetry in Zebrafish Neurulation. \*iScience\*. 3:63-85](#)

[Fang, W., Guo, C., Wei, X. \(2017\) Rainbow Enhancers Regulate Restrictive Transcription in Teleost Green, Red, and Blue Cones. \*The Journal of neuroscience : the official journal of the Society for Neuroscience\*. 37\(11\):2834-2848](#)

[Zou, J., Wang, X., and Wei, X. \(2012\) Crb Apical Polarity Proteins Maintain Zebrafish Retinal Cone Mosaics via Intercellular Binding of Their Extracellular Domains. \*Developmental Cell\*. 22\(6\):1261-1274](#)

[Wei, X. and Malicki, J. \(2002\) \*nagie oko\*, encoding a MAGUK-family protein, is essential for cellular patterning of the retina. \*Nature Genetics\*. 31\(2\):150-157](#)

X. Wei, J. Samarabandu, R.S. Devdhar, A. Siegel, R. Acharya, R. Berezney. (1998) Segregation of transcription and replication sites into higher order domains. *Science*. 281:1502-1505.