



## Postdoctoral Research Fellow in San Francisco, California

A postdoc opportunity is available to study hepatic fibrosis in the lab of Dr. Jennifer Chen, Assistant Professor, Department of Medicine, Division of Gastroenterology and Hepatology at University of California, San Francisco.

The lab studies novel mechanisms of hepatic stellate cell inactivation and fibrosis regression. The lab has identified and validated several antifibrotic targets using in vitro and in vivo models of hepatic fibrosis. Our group is involved in several exciting collaborations, including with medicinal chemists, to develop novel small molecule inhibitors to target these identified pathways.

Applicants should submit a brief statement [1] explaining their interest in the position, a curriculum vita [2] and the contact information of three references [3] by email directly to Dr. Jennifer Chen at [Jennifer.Chen4@ucsf.edu](mailto:Jennifer.Chen4@ucsf.edu)

### Recent Publications

1. Alsamman, S., Christenson, S. A., Yu, A., Ayad, N. M. E., Mooring, M. S., Segal, J. M., Hu, J. K.-H., Schaub, J. R., Ho, S. S., Rao, V., Marlow, M. M., Turner, S. M., Sedki, M., Pantano, L., Ghoshal, S., Ferreira, D. D. S., Ma, H.-Y., Duwaerts, C. C., Espanol-Suner, R., Wei, L., Newcomb, B., Mileva, I., Canals, D., Hannun, Y. A., Chung, R. T., Mattis, A. N., Fuchs, B. C., Tager, A. M., Yimlamai, D., Weaver, V. M., Mullen, A. C., Sheppard, D., Chen, J. Y. Targeting acid ceramidase inhibits YAP/TAZ signaling to reduce fibrosis in mice. *Sci. Transl. Med.* 2020 Aug 19; 12:557. DOI: 10.1126/scitranslmed.aay8798
2. Chen JY, Newcomb B, Zhou C, Pondick JV, Ghoshal S, York S, Motola D, Coant N, Yi JK, Mao C, Tanabe KK, Bronova I, Berdyshev E, Fuchs B, Hannun Y, Chung RT, Mullen AC. Tricyclic Antidepressants Promote Ceramide Accumulation to Regulate Collagen Production in Human Hepatic Stellate Cells. *Sci Rep.* 2017;7:44867.
3. Chen JY, Ren Y, Yan P, Belina ME, Chung RT, Butt A. Tricyclic Antidepressant Use and the Risk of Fibrosis Progression in Hepatitis C-Infected Persons: Results from ERCHIVES. *J Viral Hepat* 2018; 25(7): 825-833.
4. Zhou C, York SR, Chen JY, Pondick JV, Motola DL, Chung RT, Mullen AC. Long noncoding RNAs expressed in human hepatic stellate cells form networks with extracellular matrix proteins. *Genome Med.* 2016;8(1):1-20.

**DESIRED SKILLS AND EXPERIENCE** The ideal candidate should have a PhD or equivalent degree in molecular biology or other related fields with a strong foundation in cell biology, biochemistry and mouse models of injury and fibrosis. The candidate should have strong publication record in international journals, possess good written and verbal communication skills, and be able to work independently and collaboratively within a research team. The candidate should be proficient in experimental mouse models and standard biological techniques (protein biochemistry, molecular biology, cell biology, tissue culture and pathology).