



Cheng-Hui Lin

Postdoctoral Scholar, Ophthalmology

 NIH Biosketch available Online

Bio

BIO

Cheng-Hui Lin is a postdoc fellow in the Department of Ophthalmology at Stanford and has joined Dr. Sui Wang's lab in Ophthalmology since 2017. Prior to coming to Stanford, Cheng-Hui Lin obtained his PhD degree in the College of Pharmacy at Taipei Medical University, Taiwan. His current research interests are focused on diabetic retinopathy and AAV tools investigation towards Muller glia cells in the retina.

PROFESSIONAL EDUCATION

- Post-doctoral Fellow, Department of Ophthalmology, Stanford University School of Medicine (2017)
- Doctor of Philosophy, Taipei Medical College (2013)
- Master of Science, Taipei Medical College (2008)
- Bachelor of Science, Taipei Medical College (2007)

STANFORD ADVISORS

- Sui Wang, Postdoctoral Faculty Sponsor

LINKS

- Complete List of Publications: <https://www.ncbi.nlm.nih.gov/myncbi/cheng-hui.lin.2/bibliography/public/>

Publications

PUBLICATIONS

- **Identification of cis-regulatory elements that allow for AAV-based Muller glial-specific labeling and manipulation in the retina**
Lin, C., Chan, C., Wu, M., Davis, A., Wang, S.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2021
- **Foxo1 controls gut homeostasis and commensalism by regulating mucus secretion.** *The Journal of experimental medicine*
Chen, Z., Luo, J., Li, J., Kim, G., Chen, E. S., Xiao, S., Snapper, S. B., Bao, B., An, D., Blumberg, R. S., Lin, C. H., Wang, S., Zhong, et al
2021; 218 (9)
- **Cell type- and stage-specific expression of Otx2 is regulated by multiple transcription factors and cis-regulatory modules in the retina.** *Development (Cambridge, England)*
Chan, C. S., Lonfat, N., Zhao, R., Davis, A. E., Li, L., Wu, M., Lin, C., Ji, Z., Cepko, C. L., Wang, S.
2020
- **Low-Luminance Blue Light-Enhanced Phototoxicity in A2E-Laden RPE Cell Cultures and Rats.** *International journal of molecular sciences*
Lin, C. H., Wu, M. R., Huang, W. J., Chow, D. S., Hsiao, G. n., Cheng, Y. W.
2019; 20 (7)

- **Cell type- and stage-specific expression of Otx2 is coordinated by a cohort of transcription factors and multiple cis-regulatory modules in the retina** *bioRxiv*
Chan, C., Lonfat, N., Zhao, R., Davis, A., Li, L., Wu, M., Lin, C., Ji, Z., Cepko, C. L., Wang, S.
2019
- **Novel Protective Effects of Cistanche Tubulosa Extract Against Low-Luminance Blue Light-Induced Degenerative Retinopathy.** *Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology*
Wu, M. R., Lin, C. H., Ho, J. D., Hsiao, G. n., Cheng, Y. W.
2018; 51 (1): 63–79
- **Editor's Highlight: Periodic Exposure to Smartphone-Mimic Low-Luminance Blue Light Induces Retina Damage Through Bcl-2/BAX-Dependent Apoptosis.** *Toxicological sciences*
Lin, C., Wu, M., Li, C., Cheng, H., Huang, S., Tsai, C., Lin, F., Ho, J., Kang, J., Hsiao, G., Cheng, Y.
2017; 157 (1): 196-210
- **Anti-inflammatory properties of shikonin contribute to improved early-stage diabetic retinopathy.** *Scientific reports*
Liao, P., Lin, C., Li, C., Tsai, C., Ho, J., Chiou, G. C., Kang, J., Cheng, Y.
2017; 7: 44985-?
- **The natural retinoprotectant chrysophanol attenuated photoreceptor cell apoptosis in an N-methyl-N-nitrosourea-induced mouse model of retinal degeneration** *SCIENTIFIC REPORTS*
Lin, F., Lin, C., Ho, J., Yen, J., Chang, H., Chiou, G. C., Cheng, Y., Hsiao, G.
2017; 7
- **NcoA2-Dependent Inhibition of HIF-1 alpha Activation Is Regulated via AhR** *TOXICOLOGICAL SCIENCES*
Tsai, C., Li, C., Liao, P., Cheng, Y., Lin, C., Huang, S., Kang, J.
2015; 148 (2): 517-530
- **Long-term Fluorometholone Topical Use Induces Ganglion Cell Damage in Rats Analyzed With Optical Coherence Tomography** *TOXICOLOGICAL SCIENCES*
Lin, C., Liao, P., Hsiao, G., Li, C., Huang, S., Tsai, C., Wu, M., Lin, F., Ho, J., Cheng, H., Cheng, Y.
2015; 147 (2): 317-325
- **Minocycline accelerates hypoxia-inducible factor-1 alpha degradation and inhibits hypoxia-induced neovascularogenesis through prolyl hydroxylase, von Hippel-Lindau-dependent pathway** *ARCHIVES OF TOXICOLOGY*
Li, C., Liao, P., Yang, Y., Huang, S., Lin, C., Cheng, Y., Kang, J.
2014; 88 (3): 659-671
- **Silibinin inhibits VEGF secretion and age-related macular degeneration in a hypoxia-dependent manner through the PI-3 kinase/Akt/mTOR pathway** *BRITISH JOURNAL OF PHARMACOLOGY*
Lin, C. H., Li, C. H., Liao, P. L., TSE, L. S., Huang, W. K., Cheng, H. W., Cheng, Y. W.
2013; 168 (4): 920-931
- **Evaluation of Acute 13-Week Subchronic Toxicity and Genotoxicity of the Powdered Root of Tongkat Ali (Eurycoma longifolia Jack)** *EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE*
Li, C., Liao, J., Liao, P., Huang, W., Tse, L., Lin, C., Kang, J., Cheng, Y.
2013
- **Anti-ageing effects of alpha-naphthoflavone on normal and UVB-irradiated human skin fibroblasts** *EXPERIMENTAL DERMATOLOGY*
Liao, P., Li, C., Chang, C., Lu, S., Lin, C., Tse, L., Cheng, Y.
2012; 21 (7): 546-548

PRESENTATIONS

- Dissecting the function of ZFP36 in Diabetic Retinopathy - Stanford Ophthalmology Department Seminar (June 14, 2019)
- Identification of cis-regulatory elements for AAV-based Müller glial-specific labeling and manipulation in the retina - The 2021 Byers Young Investigators Research Conference, Stanford Ophthalmology (April 10, 2021)
- Identification of cis-regulatory elements for AAV-based Müller glial-specific labeling and manipulation in the retina - 2021 ARVO Annual Meeting (May 6, 2021)
- Identification of cis-regulatory modules for AAV-based cell type-specific targeting in the retina and brain - Stanford Ophthalmology (6/11/2021 - 6/11/2021)