

## Shweta Modgil

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### Publications

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#### PUBLICATIONS

- **Axonal Energy Crisis and Calcium Phosphate Dysregulation as Pathogenesis of Optic Disc Drusen** *AGING AND DISEASE*  
Modgil, S., Ahmed, T., Liao, Y.  
2024
- **High-Phosphate induced Calcium deposits in Optic Nerve following Anterior Ischemic Optic Neuropathy (AION)**  
Modgil, S., Hsu, R., Shariati, A., Liao, Y.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Melanopsin: A potential therapeutic target for retinopathy of prematurity**  
Radu, A., Danziger, G. S., Modgil, S., Shah, M., Dumas, C., Zhang, H., Chrenek, M. A., Sellers, J. T., Lang, R. A., Boatright, J. H., Iuvone, P.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Perivascular Neurons Instruct Three-Dimensional Retinal Vascular Lattice Formation via Direct Neurovascular Contact**  
Toma, K., Zhao, M., Zhang, S., Modgil, S., Shang, W., Liao, Y., Kim, T., Duan, X.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Perivascular neurons instruct 3D vascular lattice formation via neurovascular contact.** *Cell*  
Toma, K., Zhao, M., Zhang, S., Wang, F., Graham, H. K., Zou, J., Modgil, S., Shang, W. H., Tsai, N. Y., Cai, Z., Liu, L., Hong, G., Kriegstein, et al  
2024
- **Development of human cellular model for ectopic calcification to study the physiopathological mechanism for Optic Disc Drusen (ODD)**  
Patel, H., Imventarza, J., Kumar, A., Shariati, A., Iweka, C., Swarup, A., Kaushal, K., Modgil, S., Li, S., Nahmou, M., Wu, G., Chiu, W., Liao, et al  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023
- **Whole genome sequencing to elucidate the molecular pathology of Optic Disc Drusen**  
Kaushal, K., Pugazhendhi, S., Li, Y., Wang, M., Patel, H., Modgil, S., Chen, R., Liao, Y.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023