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Recent advances in corneal lymphangiogenesis

Lu Chen
University of California, USA

Lymphatic research has progressed rapidly in recent years. The cornea provides an ideal tissue for lymphatic research due to its accessible location, transparent nature, and lymphatic-free but-inducible features. Once induced, corneal lymphatics enhance high volume delivery of antigens and immune cells, and accelerate transplant rejection. Our research goal is to elucidate the molecular and cellular mechanisms of lymphangiogenesis and to identify new targets for therapeutic intervention. This presentation is to introduce our recent advances in corneal lymphatic research, which have broad implications for ocular and nonocular diseases.

Biography

Lu Chen, MD and PhD, received her Postdoctoral training at the Schepens Eye Research Institute, Department of Ophthalmology, Harvard Medical School and is now an Associate Professor and Morton D. Sarver Endowed Chair at University of California, Berkeley. She also holds Joint Faculty positions at the Proctor Foundation for Research in Ophthalmology at University of California, San Francisco, and the Schepens Eye Research Institute, Mass Eye and Ear, Harvard Medical School.

chenlu@berkeley.edu

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