

Rajiv Mohan

University of Missouri bioscientist Dr. Rajiv Mohan is renowned for his contributions to eye research, including nanomedicine therapies to treat corneal diseases.

Each year, 1.5 million Americans are affected by eye injury or disease which damages the cornea. Mohan has identified minimally invasive ways to deliver treatments both topically and by injection. He has also invented a new method of using nanoparticles to introduce therapeutic genes to treat diseased corneas in animals. He hopes to translate the gene therapy to human medicine.

Another of Mohan's areas of expertise is complications arising from laser-assisted in situ keratomileusis (LASIK) laser surgery. The frequently used procedure, while generally safe, can lead to dry eyes and small folds in the cornea. Mohan is looking at the molecular level to understand precisely how the cornea heals itself.

Mohan has published more than 100 peer-reviewed articles and has presented his work at national and international eye research conferences. In 2014, he was named a Silver Fellow by the Association for Research in Vision and Ophthalmology, the largest eye and vision research organization in the world.

Dr. Rajiv Mohan is a professor of ophthalmology and molecular medicine at the School of Medicine and Ruth M. Kraeuchi Missouri Endowed Chair Professor in Veterinary Ophthalmology at the College of Veterinary Medicine. He is also director of MU's Ophthalmology One-Health One-Medicine Research Program and director of resident research at the Mason Eye Institute.

