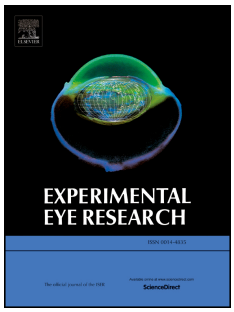
Accepted Manuscript



MicroRNA regulation of MDM2-p53 loop in pterygium

Yufei Teng, Gary Hin-Fai Yam, Na Li, Shen Wu, Arkasubhra Ghosh, Ningli Wang, Chi-Pui Pang, Vishal Jhanji

PII: S0014-4835(17)30224-5

DOI: 10.1016/j.exer.2018.01.015

Reference: YEXER 7270

To appear in: *Experimental Eye Research*

Received Date: 22 March 2017

Revised Date: 12 September 2017

Accepted Date: 17 January 2018

Please cite this article as: Teng, Y., Hin-Fai Yam, G., Li, N., Wu, S., Ghosh, A., Wang, N., Pang, C.-P., Jhanji, V., MicroRNA regulation of MDM2-p53 loop in pterygium, *Experimental Eye Research* (2018), doi: 10.1016/j.exer.2018.01.015.

MicroRNA regulation of MDM2-p53 loop in pterygium

Yufei Teng Ph.D.,[1,2,3] Gary Hin-Fai Yam Ph.D.,[4] Na Li M.D.,[3] Shen Wu Ph.D.,[2] Arkasubhra Ghosh, PhD,[5] Ningli Wang M.D., Ph.D.,[#2,3] Chi-Pui Pang, DPhil,[1] Vishal Jhanji M.D. Ph.D.[#1,6]

[1]Department of Ophthalmology & Visual Sciences, The Chinese University of Hong Kong, Hong Kong, China;

[2]Beijing Institute of Ophthalmology, Beijing Tongren Eye Center, Beijing Tongren Hospital, Capital Medical University; Beijing Ophthalmology and Visual Sciences Key Laboratory, Beijing, China;

[3]Beijing Tongren Eye Center, Beijing Tongren Hospital, Capital Medical University, Beijing Ophthalmology and Visual Sciences Key Laboratory, Beijing, China;

[4]Tissue Engineering and Stem Cell Group, Singapore Eye Research Institute, Singapore

[5]GROW Research Laboratory, NarayanaNethralaya Foundation, Narayana Health City, Bommasandra, Bangalore, Karnataka, India.

[6]Department of Ophthalmology, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, USA

Commercial disclosure: The authors have no commercial or proprietary interest in any concept or product described in this article

Funding: This work was supported by the Priming Scientific Research Foundation for the Senior Researcher in Beijing Tongren Hospital, Capital Medical University, Beijing, PR China [grant number TRYY-KYJJ-2016-014].

Key words: Pterygium, microRNA, miR-145, MDM2-p53 loop