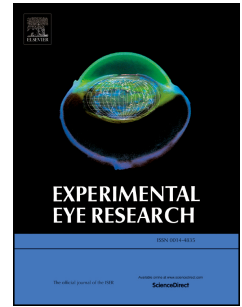


Accepted Manuscript

Complete metabolome and lipidome analysis reveals novel biomarkers in the human diabetic corneal stroma

Shrestha Priyadarsini, Tina B. McKay, Akhee Sarker-Nag, Jeremy Allegood, Charles Chalfant, Jian-Xing Ma, Dimitrios Karamichos



PII: S0014-4835(16)30329-3

DOI: [10.1016/j.exer.2016.10.010](https://doi.org/10.1016/j.exer.2016.10.010)

Reference: YEXER 7038

To appear in: *Experimental Eye Research*

Received Date: 23 August 2016

Revised Date: 3 October 2016

Accepted Date: 7 October 2016

Please cite this article as: Priyadarsini, S., McKay, T.B., Sarker-Nag, A., Allegood, J., Chalfant, C., Ma, J.-X., Karamichos, D., Complete metabolome and lipidome analysis reveals novel biomarkers in the human diabetic corneal stroma, *Experimental Eye Research* (2016), doi: 10.1016/j.exer.2016.10.010.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Complete Metabolome and Lipidome Analysis Reveals Novel Biomarkers in the Human Diabetic Corneal Stroma

Shrestha Priyadarsini^{1*}, Tina B McKay^{2*}, Akhee Sarker-Nag¹, Jeremy Allegood^{3,4,5,6}, Charles Chalfant^{3,4,5,6}, Jian-Xing Ma⁷, Dimitrios Karamichos^{1,2,†}

¹ Department of Ophthalmology/Dean McGee Eye Institute, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma, 73104, USA,

² Department of Cell Biology, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma, 73104, USA,

³ Hunter Holmes McGuire Veterans Administration Medical Center, Richmond, Virginia, USA,

⁴ Department of Biochemistry and Molecular Biology, School of Medicine, Virginia Commonwealth University, Richmond, Virginia, USA,

⁵ The VCU Johnson Center, Richmond, Virginia, USA, and

⁶ The VCU Massey Cancer Center, Richmond, Virginia, USA.

⁷ Department of Physiology Harold Hamm Diabetes Center, The University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma, USA

* Joint first authors; S. Priyadarsini and T.B. McKay contributed equally to the study.

† **Correspondence to:** Dimitrios Karamichos, Ph.D., Department of Ophthalmology/Dean McGee Eye Institute, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma, 73104, USA. Tel.: +1 405 271 4019; fax: +1 405 271 8128; e-mail: dimitrios-karamichos@ouhsc.edu

Download English Version:

<https://daneshyari.com/en/article/5704086>

Download Persian Version:

<https://daneshyari.com/article/5704086>

[Daneshyari.com](https://daneshyari.com)