



# Corrigendum: Changes in Retinal Structure and Ultrastructure in the Aged Mice Correlate with Differences in the Expression of Selected Retinal miRNAs

Anca Hermenean<sup>1,2\*</sup>, Maria Consiglia Trotta<sup>3</sup>, Sami Gharbia<sup>1,2</sup>, Andrei Gelu Hermenean<sup>4</sup>, Victor Eduard Peteu<sup>5</sup>, Cornel Balta<sup>1</sup>, Coralia Cotoraci<sup>6\*</sup>, Carlo Gesualdo<sup>7</sup>, Settimio Rossi<sup>7</sup>, Mihaela Gherghiceanu<sup>4,5</sup> and Michele D'Amico<sup>3</sup>

<sup>1</sup>"Aurel Ardelean" Institute of Life Sciences, Vasile Goldis Western University of Arad, Arad, Romania, <sup>2</sup>Department of Biochemistry and Molecular Biology, University of Bucharest, Bucharest, Romania, <sup>3</sup>Section of Pharmacology, Department of Experimental Medicine, University of Campania "Luigi Vanvitelli", Naples, Italy, <sup>4</sup>Carol Davila University of Medicine and Pharmacy, Bucharest, Romania, <sup>5</sup>Victor Babes National Institute of Pathology, Bucharest, Romania, <sup>6</sup>Faculty of Medicine, Vasile Goldis Western University of Arad, Arad, Romania, <sup>7</sup>Eye Clinic, Multidisciplinary Department of Medical, Surgical and Dental Sciences, University of Campania "Luigi Vanvitelli", Naples, Italy

## OPEN ACCESS

### Edited and reviewed by:

Galina Sud'ina,  
Lomonosov Moscow State University,  
Russia

### \*Correspondence:

Anca Hermenean  
anca.hermenean@gmail.com  
Coralia Cotoraci  
ccotoraci@yahoo.com

### Specialty section:

This article was submitted to  
Inflammation Pharmacology,  
a section of the journal  
Frontiers in Pharmacology

**Received:** 13 January 2021

**Accepted:** 15 January 2021

**Published:** 15 March 2021

### Citation:

Hermenean A, Trotta MC, Gharbia S,  
Hermenean AG, Peteu VE, Balta C,  
Cotoraci C, Gesualdo C, Rossi S,  
Gherghiceanu M and D'Amico M  
(2021) Corrigendum: Changes in  
Retinal Structure and Ultrastructure in  
the Aged Mice Correlate with  
Differences in the Expression of  
Selected Retinal miRNAs.  
*Front. Pharmacol.* 12:652905.  
doi: 10.3389/fphar.2021.652905

**Keywords:** aging, retina, gender, histology, electron microscopy, miRNAs

## A Corrigendum on

### Changes in Retinal Structure and Ultrastructure in the Aged Mice Correlate with Differences in the Expression of Selected Retinal miRNAs

by Hermenean, A., Trotta, M. C., Gharbia, S., Hermenean, A. G., Peteu, V. E., Balta, C., Cotoraci, C., Gesualdo, C., Rossi, S., Gherghiceanu, M., D'Amico, M. *Front. Pharmacol.* 11:593514. doi: 10.3389/fphar.2020.593514

In the original article, there was a mistake in Figure 7 as published. The incorrect y-axis header was miR-27a-3p, miR-27b-3p, miR-20a-5p and miR-20b-5p in Figure 7A. The correct y-axis header in Figure 7A is miR-20a-3p, miR-106a-5p, miR-381-3p and miR-206-3p. Moreover, the incorrect miR-20b-5p graph in Figure 7B has been substituted with the correct miR-20b-5p graph. The corrected Figure 7 appears below.

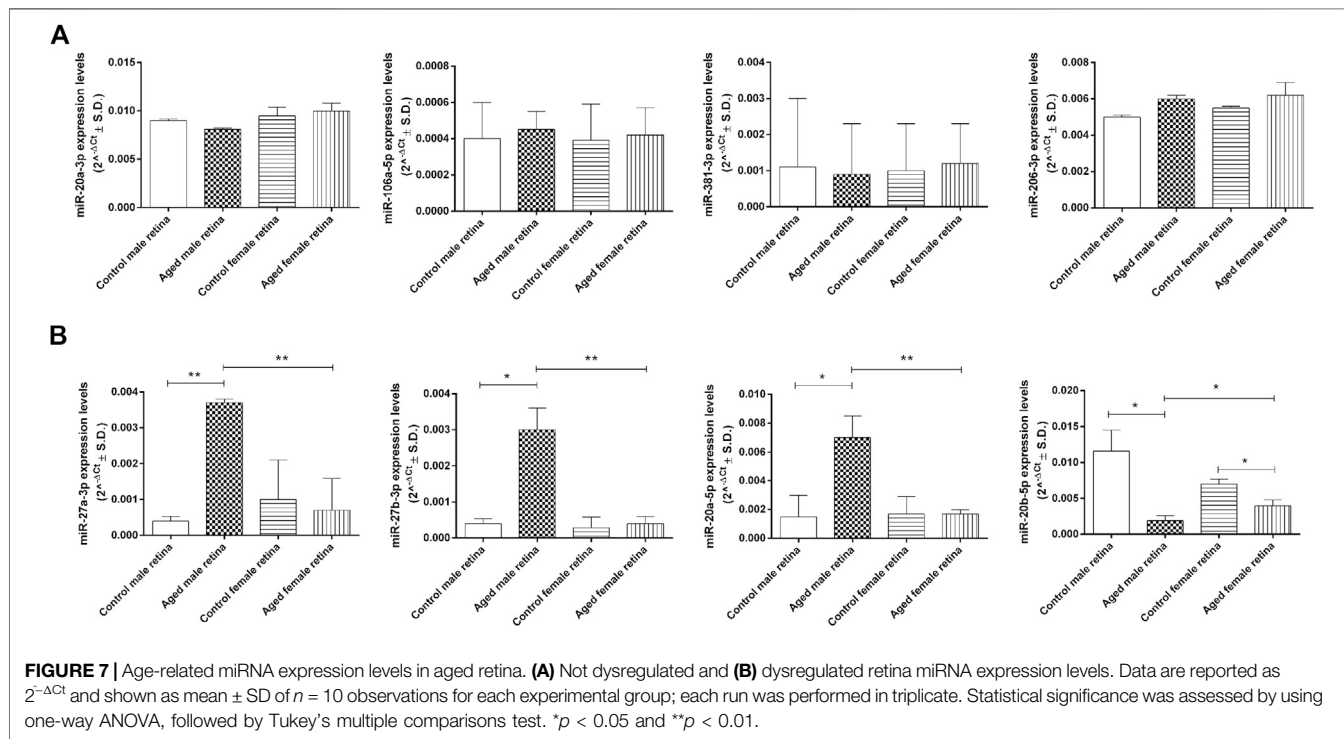
In the original article, there was a mistake in the legend for Figure 9 as published. The incorrect legend caption was "miR-27a-3p, miR-27b-3p, miR-20a-5p, and miR-20b-5p expression levels". The correct legend caption is "miR-20a-3p, miR-106a-5p, miR-381-3p, and miR-206-3p expression levels".

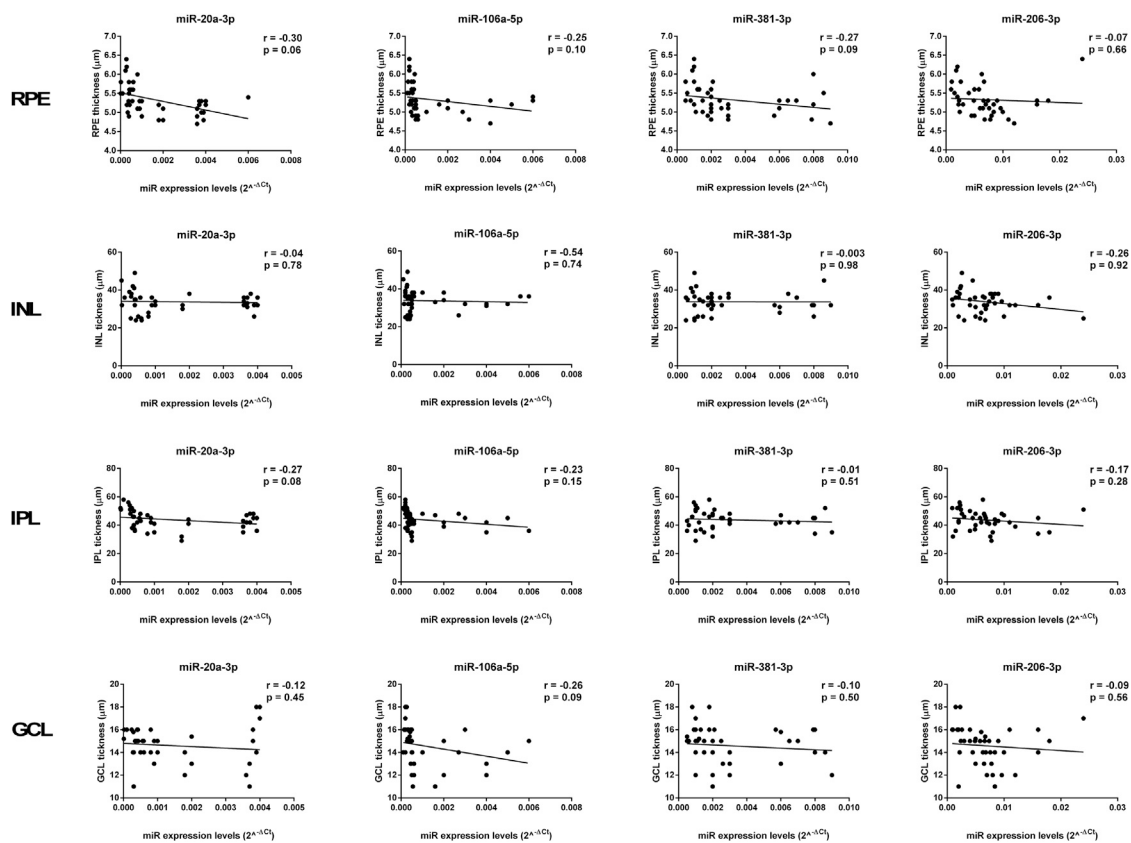
In the original article, there was a mistake in Figure 9 as published. The name of each graph was incorrectly reported as miR-27a-3p, miR-27b-3p, miR-20a-5p, and miR-20b-5p. The correct graph names are miR-20a-3p, miR-106a-5p, miR-381-3p, and miR-206-3p. The corrected Figure 9 appears below.

The authors apologize for these errors and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

Copyright © 2021 Hermenean, Trotta, Gharbia, Hermenean, Peteu, Balta, Cotoraci, Gesualdo, Rossi, Gherghiceanu and D'Amico. This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY). The use, distribution or reproduction in other forums is permitted, provided the

original author(s) and the copyright owner(s) are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these terms.





**FIGURE 9 |** Age-related miRNA expression levels not correlated with retina structure. No significant correlations were observed between RPE, INL, IPL, and GCL thickness and the miR-20a-3p, miR-106a-5p, miR-381-3p, and miR-206-3p expression levels. Pearson correlation analysis was used to evaluate the strength of association between pairs of variables, by including all the samples with different age and gender. Differences were considered statistically significant for  $p$  values  $< 0.05$ . RPE, retinal pigment cells; INL, retinal inner nuclear layer; IPL, retinal inner plexiform layer; GCL, retinal ganglion cell layer.