

May 8, 2019

Martha Furie
Editor-in-Chief, The American Journal of Pathology
Elsevier Inc.
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Subject: Retraction Request

Dear Dr. Furie,


I am writing as the Responsible Official at the University of Maryland, Baltimore regarding the following manuscript:

Binmadi, N. O., Yang, Y. H., Zhou, H., Proia, P., Lin, Y. L., De Paula, A. M. B., ... & Basile, J. R. (2012). Plexin-B1 and semaphorin 4D cooperate to promote perineural invasion in a RhoA/ROK-dependent manner. *The American Journal of Pathology*, 180(3), 1232-1242.

1. Figure 6C: The standard deviations in Excel were entered manually and do not reflect the true standard deviations as calculated from the original data.
 - a. **Analysis:** The Committee reviewed evidence that showed that the standard deviations in Excel are not the true standard deviations as calculated from the original data. This resulted in inflating the significance of the data.
2. Figure 6E: The standard deviation bars were calculated incorrectly.
 - a. **Analysis:** A single value for a standard deviation for each condition was duplicated for the data for all time points for that condition. This resulted in reduced standard deviation values for most time points.
3. Figure 6E: The published figure reported four comparisons that were statistically significant, but the original data show that only two were significant.

The University of Maryland, Baltimore conducted an internal investigation which found that the evidence supports retraction of the publication in order to correct the scientific record and ensure its integrity.

Sincerely,



Bruce E. Jarrell, MD, FACS
Executive Vice President & Provost
Dean, Graduate School
University of Maryland, Baltimore