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Subject: Retraction Request

Dear Dr. Rehemtulla,

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

Zhou, H., Kann, M. G., Mallory, E. K., Yang, Y. H., Bugshan, A., Binmadi, N. O., & Basile, J. R. (2017). Recruitment of Tiam1 to Semaphorin 4D Activates Rac and Enhances Proliferation, Invasion, and Metastasis in Oral Squamous Cell Carcinoma. *Neoplasia*, *19*(2), 65-74.
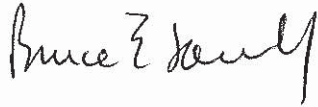
1. Figure 4A: The original data show that the cell line was HN13 instead of HN12 that was described in the paper.
2. Figure 4A: The averages were not calculated correctly.
   a. *Analysis:* The averages in this figure were not calculated correctly (Enclosure P; pgs. 35-37). The first average for Plexin B was noted to be 0.583 in the raw data and 0.58 in the recalculation, which was determined to be appropriate. However, the second time point was averaged to 1.0466 in the raw data when it should have been 1.14. Finally, the third time point was averaged to 1.3076 in the raw data, when it should have been 1.41.
2. Figure 4A: The time points were incorrectly reported. The published paper included the time points of 0, 2, and 4 days. The original data show 0, 48 and 72 hours.
3. Figure 4B: The two images in column 2 came from the same micrograph, though these were to be 2 different cell lines. The four images in columns 3 and 4, which were supposed to be two separate conditions and two different cell lines, came from the same micrograph. The two images in column 5 came from the same micrograph, though these were to be 2 different cell lines.
4. Figure 5A: The legend states that the image was immunohistochemistry for SEMA4D, instead of for PB1 as indicated in the figure labels. The published image was of immunocytochemistry with a SEMA4D antibody, instead of with a PB1 antibody, which

was indicated in the figure label. The legend correctly identifies the antibody used for immunocytochemistry as SEMA4D.

Analysis: The original image was of immunohistochemistry using a SEMA4D antibody, but PB1 immunohistochemistry was indicated in the figure labels and described in the paper. The legend actually correctly identifies the antibody used for immunocytochemistry as SEMA4D. Thus, there was a discrepancy with regard to the stated antibody.

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