

Dear Editor:

This is a manuscript by Da-chuan Wang entitled “IGF-2 modified by the m6A demethylation enzyme ALKBH5 in the ossification of the ligamentum flavum”. We believe the paper may be of particular interest to the readers of your journal as it is important for the treatment of ossification of the ligamentum flavu (OLF). In this manuscript, RT-PCR, IHC staining, HE staining, Methylated RNA Immunoprecipitation-seq (MeRIP-seq), and Western blotting assay were used to evaluate the function of m6A demethylated enzymes ALKBH5 in vitro. In addition, we also verified the effects of IGF-2 on osteogenesis using alizarin red staining. And we reported that IGF-2 was regulated by ALKBH5 to regulate osteogenesis. We also used HE staining and IHC analysis to evaluate the expression in OLF samples. Therapeutic methods that target ALKBH5 and IGF-2 may be effective for the treatment of OLF.

No conflict of interest exists in the submission of the manuscript, and manuscript is approved by all authors for publication. This manuscript is original. All the authors listed have approved the manuscript that is enclosed. Neither the entire paper nor any part of its content has been published or has been accepted elsewhere. It is not being submitted to any other journal. All experimental samples collected from the patients were approved by the Ethics Committee of the Provincial Hospital Affiliated to Shandong First Medical University.

Thanks very much for your attention to our paper and we hope that the editorial board will agree on the interest of this study. And we hope the reviewers are as follows:

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Sincerely yours,

Da-chuan Wang on behalf of the authors.

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