

ESPS JOURNAL EDITOR-IN-CHIEF'S REVIEW REPORT

Name of journal: World Journal of Rheumatology

ESPS manuscript NO: 16979

Title: Epigenetic targets of rheumatoid arthritis

Journal Editor-in-Chief (Associate Editor): Young Mo Kang

Country: South Korea

Editorial Director: Xiu-Xia Song

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ACADEMIC CONTENT EVALUATION	LANGUAGE QUALITY EVALUATION	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input checked="" type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Revision
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor		

JOURNAL EDITOR-IN-CHIEF (ASSOCIATE EDITOR) COMMENTS TO AUTHORS

This manuscript was intended to be published as an editorial on the epigenetics in rheumatoid arthritis. The story was well described. But, in several sentences, there are grammatical errors and typos which should be corrected to make them understandable. Following sentences should be corrected. 1) There is increasing evidence that epigenetic mechanisms play a role in regulating TNF expression LPS stimulation causes phosphorylation of Serine of histone H3 and demethylation of Lysine at the TNF promoter in the monocyte or macrophage cell line[24]. 2) HDAC inhibitor application, FK228 decreased TNF, along with IL-1 β , expressed in the joint and suberoylanilide hydroxamic acid (SAHA) and MS-275 decreased IL-6 and IL-1 β levels in the serum suggesting an important role for HDAC in regulating production of pro-inflammatory cytokines[31,32]. 3) Incubation of fibroblast-like synovial cells (FLS) from RA patients with phenylbutyrate, TSA and FK228 caused increased acetylation at the promoters of p16INK4 and p21CIP1, associated with increased expression of both these proteins indicates the involvement in HDAC inhibitors promoting cellular senescence in synovial fibroblasts[35]. 4) An age-associated increase in methylation at the OP-1 promoter has been shown and combined with the finding that the demethylating agent, 5-azacytidine, causes an increase in OP-1 production demonstrates that this might be a mechanism contributing to age related cartilage loss in osteoarthritis[37].