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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Experimental Medicine
ESPS manuscript NO: 30140
Title: Odd couple: The unexpected partnership of glucocorticoid hormones and cysteinyl-leukotrienes in the extrinsic regulation of murine bone-marrow eosinopoiesis
Reviewer's code: 00202286
Reviewer's country: United States
Science editor: Fang-Fang Ji
Date sent for review: 2016-09-14 18:23
Date reviewed: 2016-10-04 01:05

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	Google Search:	[ ] Accept
[Y] Grade B: Very good	[Y] Grade B: Minor language polishing	[ ] The same title	[Y] High priority for publication
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
[ ] Grade D: Fair	[ ] Grade D: Rejected	[ ] Plagiarism	[ ] Minor revision
[ ] Grade E: Poor		[Y] No	[ ] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

The review by Xavier-Elsas et al. focuses on the regulation of eosinopoiesis by endogenous molecules (e.g. IL5, eotaxin) and exogenous compounds (indomethacin and aspirin). The role of glucoproteins and cysteinyl-leukotrienes is emphasized. The paper is interesting and well written. It explores the different pathways involved in the eosinopoiesis. The authors have an experience in the field attested by numerous papers. The paper is well illustrated. There are very few typos. Even if the review focuses on a small population of circulating blood cells, these cells are important in numerous processes and pathologies. It will be useful to readers interested in HSCs, but also in allergic diseases.

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	Google Search:	[Y] Accept
[ ] Grade B: Very good	[Y] Grade B: Minor language polishing	[ ] The same title	[ ] High priority for publication
[Y] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
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[ ] Grade E: Poor		[Y] No	[ ] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

Great progress has been made over the last decade in understanding the role of both intrinsic and extrinsic factors in regulation of granulopoiesis in murine bone-marrow. The authors review bone-marrow regulation by intrinsic and extrinsic factors, and highlight a novel partnership of glucocorticoid hormones and cysteinylleukotrienes in the extrinsic regulation of murine bone-marrow eosinopoiesis. This is an interesting and important topic, and this review includes some of the key concepts. Although figures are informative, a graphical abstract would help to summarize the highlights.