Sun Wanchun

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SHORT BIOGRAPHY:

Sun Wanchun got his Ph.D. degree in neuropharmacology from Shanghai Institute of Materia Medica (SIMM), Chinese Academy of Science in 2004 and his research works focused on studying the interaction of adenosine receptor and dopamine receptor which implicate in Parkinson’ s disease. Then, he came to the University of Georgia and worked as a postdoctoral associate at Dr James N Moore’ s research group from 2004-2009. His research work focused on exploiting mechanism of adenosine A2A receptor inhibiting LPS-induced inflammation. He joined Key Laboratory of Zoonoses Research, Ministry of Education, Institute of Zoonosis, Jilin University as associate professor in 2011. He obtained B.Sc. degree and master degree in 1992 and 1999 in Jilin university, respectively.

RESEARCH INTERESTS：

- Explore the underlying mechanism of inflammatory disease such as osteoporosis, tissue injury et.al.
- Screen the potential therapeutic compounds of inflammatory bone lysis disease and address the mechanism of these compounds to improve excessive bone lysis initiated by inflammation.

SELECTED PUBLICATIONS：

- Hou H, Peng Q, Wang S, Zhang Y, Cao J, Deng Y, Wang Y, Sun WC, Wang HB. Anemonin Attenuates RANKL-Induced Osteoclastogenesis and Ameliorates LPS-Induced Inflammatory Bone Loss in Mice *via* Modulation of NFATc1. Front Pharmacol. 2020 Feb 10;10:1696.
- Zhang Y, Wang Z, Xie X, Wang J, Wang Y, Peng QS, Zhang M, Wu D, Liu N, Wang HB, Sun WC. Tatarinan N inhibits osteoclast differentiation through attenuating NF-κB, MAPKs and Ca^{2+}-dependent signaling. Int Immunopharmacol. 2018 Dec;65:199-211.
- Cao J, Lu Q, Liu N, Zhang YX, Wang J, Zhang M, Wang HB, Sun WC. Sciadopitysin suppresses RANKL-mediated osteoclastogenesis and prevents bone loss in LPS-treated mice. Int Immunopharmacol. 2017 Aug;49:109-117.
- Xu X, Liu N, Wang Y, Pan LC, Wu D, Peng Q, Zhang M, Wang HB, Sun WC. Tatarinan O, a lignin-like compound from the roots of Acorus tatarinowii Schott inhibits osteoclast differentiation through suppressing the expression of c-Fos and NFATc1. Int Immunopharmacol. 2016 May;34:212-219.
- Quan GH, Wang H, Cao J, Zhang Y, Wu D, Peng Q, Liu N, Sun WC. Calycosin Suppresses RANKL-Mediated Osteoclastogenesis through Inhibition of MAPKs and NF-κB. Int J Mol Sci. 2015 Dec 10;16(12):29496-507.