



















- Improvement of PD-1 blockade efficacy and elimination of immune-related gastrointestinal adverse effect by mTOR inhibitor. *Front Immunol* 2021;12:793831.
28. Gu W, Gong L, Wu X, Yao X. Hypoxic TAM-derived exosomal miR-155-5p promotes RCC progression through HuR-dependent IGF1R/AKT/PI3K pathway. *Cell Death Discov* 2021;7:147.
  29. Xun J, Du L, Gao R, Shen L, Wang D, Kang L, et al. Cancer-derived exosomal miR-138-5p modulates polarization of tumor-associated macrophages through inhibition of KDM6B. *Theranostics* 2021;11:6847-59.
  30. Yuan Y, Wang Z, Chen M, Jing Y, Shu W, Xie Z, et al. Macrophage-derived exosomal miR-31-5p promotes oral squamous cell carcinoma tumorigenesis through the large tumor suppressor 2-mediated hippo signalling pathway. *J Biomed Nanotechnol* 2021;17:822-37.
  31. Lv J, Li Q, Ma R, Wang Z, Yu Y, Liu H, et al. Long noncoding RNA FGD5-AS1 knockdown decrease viability, migration, and invasion of non-small cell lung cancer (NSCLC) cells by regulating the microRNA-944/MACC1 axis. *Technol Cancer Res Treat* 2021;20:1533033821990090.
  32. Mi X, Xu R, Hong S, Xu T, Zhang W, Liu M. M2 Macrophage-derived exosomal lncRNA AFAP1-AS1 and MicroRNA-26a affect cell migration and metastasis in esophageal cancer. *Mol Ther Nucleic Acids* 2020;22:779-90.
  33. Xu K, Tian H, Zhao S, Yuan D, Jiang L, Liu X, et al. Long non-coding RNA LOC441178 reduces the invasion and migration of squamous carcinoma cells by targeting ROCK1. *Biomed Res Int* 2018;2018:4357647.
  34. Liu YJ, Zeng SH, Hu YD, Zhang YH, Li JP. Overexpression of NREP promotes migration and invasion in gastric cancer through facilitating epithelial-mesenchymal transition. *Front Cell Dev Biol* 2021;9:746194.
  35. Goswami KK, Bose A, Baral R. Macrophages in tumor: An inflammatory perspective. *Clin Immunol* 2021;232:108875.
  36. Wang Y, Zhang Y. LncRNA CAIF suppresses LPS-induced inflammation and apoptosis of cardiomyocytes through regulating miR-16 demethylation. *Immun Inflamm Dis* 2021;9:1468-78.
  37. O'Brien EM, Spiller KL. Pro-inflammatory polarization primes macrophages to transition into a distinct M2-like phenotype in response to IL-4. *J Leukoc Biol* 2022;111:989-1000.
  38. Rao J, Qiu J, Ni M, Wang H, Wang P, Zhang L, et al. Macrophage Nrf2 deficiency promotes innate immune activation by Timp3-mediated RhoA/ROCK pathway in the ischemic liver. *Hepatology* 2021;75:1429-45.
  39. Luo S, Wang H, Bai L, Chen Y, Chen S, Gao K, et al. Activation of TMEM16A Ca(2+)-activated Cl(-) channels by ROCK1/moesin promotes breast cancer metastasis. *J Adv Res* 2021;33:253-64.
  40. Cao L, Jiang H, Yang J, Mao J, Wei G, Meng X, et al. LncRNA MIR31HG is induced by tocilizumab and ameliorates rheumatoid arthritis fibroblast-like synoviocyte-mediated inflammation via miR-214-PTEN-AKT signaling pathway. *Aging (Albany NY)* 2021;13:24071-85.

Non-commercial use only

Received for publication: 30 July 2022. Accepted for publication: 13 September 2022.

This work is licensed under a Creative Commons Attribution-NonCommercial 4.0 International License (CC BY-NC 4.0).

©Copyright: the Author(s), 2022

Licensee PAGEPress, Italy

*European Journal of Histochemistry* 2022; 66:3510

doi:10.4081/ejh.2022.3510

*Publisher's note: All claims expressed in this article are solely those of the authors and do not necessarily represent those of their affiliated organizations, or those of the publisher, the editors and the reviewers. Any product that may be evaluated in this article or claim that may be made by its manufacturer is not guaranteed or endorsed by the publisher.*