

# SELECTED MACROPHAGE RESEARCH PUBLICATIONS

## CITING AGILENT SEAHORSE XF DATA



Bewley, M. A., *et al.* **Impaired Mitochondrial Microbicidal Responses in Chronic Obstructive Pulmonary Disease Macrophages.** *Am J Respir Crit Care Med.* 2017.

Bruckbauer, A., *et al.* **Leucine-nicotinic acid synergy stimulates AMPK/Sirt1 signaling and regulates lipid metabolism and lifespan in *Caenorhabditis elegans*, and hyperlipidemia and atherosclerosis in mice.** *Am J Cardiovasc Dis.* 2017. 7: 33-47.

Chamberlain, K. A., *et al.* **Creatine Enhances Mitochondrial-Mediated Oligodendrocyte Survival After Demyelinating Injury.** *J Neurosci.* 2017. 37: 1479-1492.

Chiba, S., *et al.* **Glycolysis regulates LPS-induced cytokine production in M2 polarized human macrophages.** *Immunol Lett.* 2017. 183: 17-23.

Cui, Q. L., *et al.* **Sublethal oligodendrocyte injury: A reversible condition in multiple sclerosis?** *Ann Neurol.* 2017.

Dror, E., *et al.* **Postprandial macrophage-derived IL-1 $\beta$  stimulates insulin, and both synergistically promote glucose disposal and inflammation.** *Nat*

*Immunol.* 2017. 18: 283-292.  
Fischer, K., *et al.* **Alternatively activated macrophages do not synthesize catecholamines or contribute to adipose tissue adaptive thermogenesis.** *Nat Med.* 2017. 23: 623-630.

Gasparrini, M., *et al.* **Anti-inflammatory effect of strawberry extract against LPS-induced stress in RAW 264.7 macrophages.** *Food Chem Toxicol.* 2017. 102: 1-10.

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Ip, W. K. E., *et al.* **Anti-inflammatory effect of IL-10 mediated by metabolic reprogramming of macrophages.** *Science.* 2017. 356: 513-519.

Ji, R., *et al.* **Increased de novo ceramide synthesis and accumulation in failing myocardium.** *JCI Insight.* 2017. 2:

Kim, Y. S., *et al.* **PPAR- $\alpha$  Activation Mediates Innate Host Defense through Induction of TFEB and Lipid Catabolism.** *J*

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Linke, M., *et al.* **Chronic signaling via the metabolic checkpoint kinase mTORC1 induces macrophage granuloma formation and marks sarcoidosis progression.** *Nat Immunol.* 2017. 18: 293-302.

Liu, J., *et al.* **Impairing autophagy in retinal pigment epithelium leads to inflammasome activation and enhanced macrophage-mediated angiogenesis.** *Sci Rep.* 2016. 6: 20639.

McGettrick, A. F., *et al.* **Trypanosoma brucei metabolite indolepyruvate decreases HIF-1 $\alpha$  and glycolysis in macrophages as a mechanism of innate immune evasion.** *Proc Natl Acad Sci U S A.* 2016. 113: E7778-E7787.

Morrison, T. J., *et al.* **Mesenchymal Stromal Cells Modulate Macrophages in Clinically Relevant Lung Injury Models by Extracellular Vesicle Mitochondrial Transfer.** *Am J Respir Crit Care Med.* 2017.

Na, Y. R., *et al.* **GM-CSF Induces Inflammatory Macrophages by Regulating Glycolysis and Lipid Metabolism.** *J Immunol.* 2016. 197: 4101-4109.

Ouimet, M., *et al.* **Mycobacterium tuberculosis induces the miR-33 locus to reprogram autophagy and host lipid metabolism.** *Nat Immunol.* 2016.

Pardo, M., *et al.* **Mitochondria-mediated oxidative stress induced by desert dust in rat alveolar macrophages.** *GeoHealth.* 2017. 1: 4-16.

Patel, S. P., *et al.* **Pioglitazone treatment following spinal cord injury maintains acute mitochondrial integrity and increases chronic tissue sparing and functional recovery.** *Exp Neurol.* 2017. 293: 74-82.

Pavlou, S., *et al.* **Higher phagocytic activity of thioglycollate-elicited peritoneal macrophages is related to metabolic status of the cells.** *J Inflamm (Lond).* 2017. 14: 4.

Pham, T. X., *et al.* **The Potential Role of an Endotoxin Tolerance-Like Mechanism for the Anti-inflammatory Effect of Spirulina platensis Organic Extract in Macrophages.** *J Med Food.* 2017.

Saini, V., *et al.* **Ergothioneine Maintains Redox and Bioenergetic Homeostasis Essential for Drug Susceptibility and Virulence of Mycobacterium tuberculosis.** *Cell Rep.* 2016. 14: 572-85.

Schmidt, E. A., *et al.* **Metabolic Alterations Contribute to Enhanced Inflammatory Cytokine Production in Irgm1-deficient Macrophages.** *J Biol Chem.* 2017. 292: 4651-4662.

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Suzuki, H., *et al.* **Glycolytic pathway affects differentiation of human monocytes to regulatory macrophages.** *Immunol Lett.* 2016.

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