

- Ajuebor, M. N. *et al.* (2015) 'The Chemokine RANTES Is a Crucial Mediator of the Progression from Acute to Chronic Colitis in the Rat'. doi: 10.4049/jimmunol.166.1.552.
- Berridge, M. J. (2016) 'Vitamin D, reactive oxygen species and calcium signalling in ageing and disease', *Philosophical Transactions of the Royal Society B: Biological Sciences*, 371(1700). doi: 10.1098/rstb.2015.0434.
- Bhargava, P. and Lee, C. H. (2012) 'Role and function of macrophages in the metabolic syndrome', *Biochemical Journal*, 442(2), pp. 253–262. doi: 10.1042/BJ20111708.
- Bikle, D. D. (2014) 'Vitamin D metabolism, mechanism of action, and clinical applications', *Chemistry and Biology*, 21(3), pp. 319–329. doi: 10.1016/j.chembiol.2013.12.016.
- Cao, H. *et al.* (2017) 'Application of vitamin D and vitamin D analogs in acute myelogenous leukemia', *Experimental Hematology*, 50, pp. 1–12. doi: 10.1016/j.exphem.2017.01.007.
- Charo, I. F. and Taubman, M. B. (2004) 'Chemokines in the pathogenesis of vascular disease', *Circulation Research*, 95(9), pp. 858–866. doi: 10.1161/01.RES.0000146672.10582.17.
- Chevalier, R. L., Forbes, M. S. and Thornhill, B. A. (2009) 'Ureteral obstruction as a model of renal interstitial fibrosis and obstructive nephropathy', 75(11), pp. 1145–1152. doi: 10.1038/ki.2009.86.
- Chowdhury, R. *et al.* (2014) 'Vitamin D and risk of cause specific death: Systematic review and meta-analysis of observational cohort and randomised intervention studies', *BMJ (Online)*, 348(April), pp. 1–13. doi: 10.1136/bmj.g1903.
- Cohen-Lahav, M. *et al.* (2006) 'Vitamin D decreases NFκB activity by increasing IκBα levels', *Nephrology Dialysis Transplantation*, 21(4), pp. 889–897. doi: 10.1093/ndt/gfi254.
- Conti, I. and Rollins, B. J. (2004) 'CCL2 (monocyte chemoattractant protein-1) and cancer', *Seminars in Cancer Biology*, 14(3), pp. 149–154. doi: 10.1016/j.semcancer.2003.10.009.
- Conti, P. and Digioacchino, M. (2015) 'MCP-1 and RANTES Are Mediators of Acute and Chronic Inflammation', (c).
- Deshmane, S. L. *et al.* (2009) 'Monocyte chemoattractant protein-1 (MCP-1): An overview', *Journal of Interferon and Cytokine Research*, 29(6), pp. 313–325. doi: 10.1089/jir.2008.0027.
- Desideri, G. *et al.* (2017) 'Uric Acid Amplifies Aβ Amyloid Effects Involved in the Cognitive Dysfunction/Dementia: Evidences From an Experimental Model In Vitro', *Journal of Cellular Physiology*, 232(5), pp. 1069–1078. doi: 10.1002/jcp.25509.
- Ding, N. *et al.* (2013) 'A vitamin D receptor/SMAD genomic circuit gates hepatic fibrotic response', *Cell*, 153(3), pp. 601–613. doi: 10.1016/j.cell.2013.03.028.
- Donadelli, R. *et al.* (2000) 'Protein traffic activates NF-κB gene signaling and promotes MCP-1-dependent interstitial inflammation', *American Journal of Kidney Diseases*, 36(6), pp. 1226–1241. doi: 10.1053/ajkd.2000.19838.
- Gerondakis, S. *et al.* (2014) 'NF-κB control of T cell development', *Nature Immunology*,

15(1), pp. 15–25. doi: 10.1038/ni.2785.

Guo, H., Callaway, J. B. and Ting, J. P. Y. (2015) ‘Inflammasomes: Mechanism of action, role in disease, and therapeutics’, *Nature Medicine*, 21(7), pp. 677–687. doi: 10.1038/nm.3893.

Hao, W., Rovin, B. H. and Friedman, A. (2014) ‘Mathematical model of renal interstitial fibrosis’, *Proceedings of the National Academy of Sciences of the United States of America*, 111(39), pp. 14193–14198. doi: 10.1073/pnas.1413970111.

Hildebrand, F. *et al.* (2006) ‘Kupffer cells and their mediators: The culprits in producing distant organ damage after trauma-hemorrhage’, *American Journal of Pathology*, 169(3), pp. 784–794. doi: 10.2353/ajpath.2006.060010.

Holick, M. F. (2009) ‘Vitamin D Status: Measurement, Interpretation, and Clinical Application’, *Annals of Epidemiology*, 19(2), pp. 73–78. doi: 10.1016/j.annepidem.2007.12.001.

Jin, M. *et al.* (2012) ‘Uric acid, hyperuricemia and vascular diseases’, *Frontiers in Bioscience*, 17(2), pp. 656–669. doi: 10.2741/3950.

Kang, D. H. and Ha, S. K. (2014) ‘Uric acid puzzle: Dual role as anti-oxidant and pro-oxidant’, *Electrolyte and Blood Pressure*, 12(1), pp. 1–6. doi: 10.5049/EBP.2014.12.1.1.

Koyama, Y. and Brenner, D. A. (2017) ‘Liver inflammation and fibrosis’, *Journal of Clinical Investigation*, 127(1), pp. 55–64. doi: 10.1172/JCI88881.

Kushiya, A. *et al.* (2016) ‘Role of uric acid metabolism-related inflammation in the pathogenesis of metabolic syndrome components such as atherosclerosis and nonalcoholic steatohepatitis’, *Mediators of Inflammation*, 2016. doi: 10.1155/2016/8603164.

Li, C., Hsieh, M. C. and Chang, S. J. (2013) ‘Metabolic syndrome, diabetes, and hyperuricemia’, *Current Opinion in Rheumatology*, 25(2), pp. 210–216. doi: 10.1097/BOR.0b013e32835d951e.

Liu, T. *et al.* (2017) ‘NF-κB signaling in inflammation’, *Signal Transduction and Targeted Therapy*, 2(March). doi: 10.1038/sigtrans.2017.23.

Liu, W. *et al.* (2018) ‘The anti-inflammatory effects of vitamin D in tumorigenesis’, *International Journal of Molecular Sciences*, 19(9). doi: 10.3390/ijms19092736.

Liu, Y. *et al.* (2020) ‘NLRP3 Inflammasome: A Potential Alternative Therapy Target for Atherosclerosis’, *Evidence-based Complementary and Alternative Medicine*, 2020. doi: 10.1155/2020/1561342.

Luedde, T. and Schwabe, R. F. (2011) ‘NF-κB in the liver-linking injury, fibrosis and hepatocellular carcinoma’, *Nature Reviews Gastroenterology and Hepatology*, 8(2), pp. 108–118. doi: 10.1038/nrgastro.2010.213.

Maiuolo, J. *et al.* (2016) ‘Regulation of uric acid metabolism and excretion’, *International Journal of Cardiology*, 213, pp. 8–14. doi: 10.1016/j.ijcard.2015.08.109.

Mansouri, A., Gattolliat, C. H. and Asselah, T. (2018) ‘Mitochondrial Dysfunction and Signaling in Chronic Liver Diseases’, *Gastroenterology*, 155(3), pp. 629–647. doi: 10.1053/j.gastro.2018.06.083.

Martínez-klimova, E., Aparicio-trejo, O. E. and Tapia, E. (2019) ‘Unilateral Ureteral Obstruction as a Model to Investigate Fibrosis-Attenuating Treatments’, pp. 1–29. doi:

10.3390/biom9040141.

Merriman, T. R. (2015) 'An update on the genetic architecture of hyperuricemia and gout', *Arthritis Research and Therapy*, 17(1), pp. 1–13. doi: 10.1186/s13075-015-0609-2.

Nair, R. and Maseeh, A. (2012) 'Vitamin D: The sunshine vitamin', *Journal of Pharmacology and Pharmacotherapeutics*, 3(2), pp. 118–126. doi: 10.4103/0976-500X.95506.

Oeckinghaus, A. and Ghosh, S. (2009) 'The NF- κ B Family of Transcription Factors and', *Cold Spring Harbor perspectives in biology*, pp. 1–15.

Poynard, T. *et al.* (2002) 'Impact of pegylated interferon alfa-2b and ribavirin on liver fibrosis in patients with chronic hepatitis C', *Gastroenterology*, 122(5), pp. 1303–1313. doi: 10.1053/gast.2002.33023.

Rantapää-Dahlqvist, S. *et al.* (2007) 'Up regulation of monocyte chemoattractant protein-1 expression in anti-citrulline antibody and immunoglobulin M rheumatoid factor positive subjects precedes onset of inflammatory response and development of overt rheumatoid arthritis', *Annals of the Rheumatic Diseases*, 66(1), pp. 121–123. doi: 10.1136/ard.2006.057331.

Romi, M. M. *et al.* (2017) 'Uric acid causes kidney injury through inducing fibroblast expansion, Endothelin-1 expression, and inflammation', *BMC Nephrology*, 18(1), pp. 1–8. doi: 10.1186/s12882-017-0736-x.

Ruggiero, C. *et al.* (2006) 'Uric acid and inflammatory markers', *European Heart Journal*, 27(10), pp. 1174–1181. doi: 10.1093/eurheartj/ehi879.

Sanchez-Niño, M. D. *et al.* (2012) 'Beyond proteinuria: VDR activation reduces renal inflammation in experimental diabetic nephropathy', *American Journal of Physiology - Renal Physiology*, 302(6), pp. 647–657. doi: 10.1152/ajprenal.00090.2011.

Sari, D. C. R. *et al.* (2019) 'Calcitriol ameliorates kidney injury through reducing podocytopathy, tubular injury, inflammation and fibrosis in 5/6 subtotal nephrectomy model in rats', *Kobe Journal of Medical Sciences*, 65(5), pp. E153–E163.

Schieber, M. and Chandel, N. S. (2014) 'ROS function in redox signaling and oxidative stress', *Current Biology*, 24(10), pp. R453–R462. doi: 10.1016/j.cub.2014.03.034.

So, A. and Thorens, B. (2010) 'Uric acid transport and disease', *Journal of Clinical Investigation*, 120(6), pp. 1791–1799. doi: 10.1172/JCI42344.

Spiga, R. *et al.* (2017) 'Uric Acid Is Associated with Inflammatory Biomarkers and Induces Inflammation Via Activating the NF- κ B Signaling Pathway in HepG2 Cells', *Arteriosclerosis, Thrombosis, and Vascular Biology*, 37(6), pp. 1241–1249. doi: 10.1161/ATVBAHA.117.309128.

Sun, S. C. and Liu, Z. G. (2011) 'A special issue on NF- κ B signaling and function', *Cell Research*, 21(1), pp. 1–2. doi: 10.1038/cr.2011.1.

Targher, G. *et al.* (2007) 'Prevalence of nonalcoholic fatty liver disease and its association with cardiovascular disease among type 2 diabetic patients', *Diabetes Care*, 30(5), pp. 1212–1218. doi: 10.2337/dc06-2247.

Wintermeyer, E. *et al.* (2016) 'Crucial role of vitamin D in the musculoskeletal system', *Nutrients*, 8(6). doi: 10.3390/nu8060319.

Wullaert, A. *et al.* (2007) 'Hepatic tumor necrosis factor signaling and nuclear factor- κ B:

Effects on liver homeostasis and beyond', *Endocrine Reviews*, 28(4), pp. 365–386. doi: 10.1210/er.2006-0031.

Xie, H. *et al.* (2015) 'EGCG Attenuates Uric Acid-Induced Inflammatory and Oxidative Stress Responses by Medicating the NOTCH Pathway', *Oxidative Medicine and Cellular Longevity*, 2015. doi: 10.1155/2015/214836.

Zhou, Y. *et al.* (2018) 'Relationship between oxidative stress and inflammation in hyperuricemia Analysis based on asymptomatic young patients with primary hyperuricemia', *Medicine (United States)*, 97(49), pp. 1–8. doi: 10.1097/MD.00000000000013108.

Zhu, Y., Pandya, B. J. and Choi, H. K. (2011) 'Prevalence of gout and hyperuricemia in the US general population: The National Health and Nutrition Examination Survey 2007-2008', *Arthritis and Rheumatism*, 63(10), pp. 3136–3141. doi: 10.1002/art.30520.