

**REFERENCES:**

- Akira S, Takeda K. (2004).** Toll-like receptor signalling. *Nat Rev Immunol.* 4: 499-511.
- Albanesi C, Scarponi C, Bosisio D, et al. (2010).** Immune functions and recruitment of plasmacytoid dendritic cells in psoriasis Autoimmunity. 43: 215-9.
- Ariza ME, Williams MV, Wong HK. (2013).** Targeting IL-17 in psoriasis: from cutaneous immunobiology to clinical application. *Clin. Immunol.* 146: 131-9.
- Baker BS, Ovigne JM, Powles AV, et al. (2003).** Normal keratinocytes express Toll-like receptors (TLRs) 1, 2 and 5: modulation of TLR expression in chronic plaque psoriasis. *Br J Dermatol.* 148: 670-9. Quoted from Garcia-Rodriguez et al., 2013.
- Baliwag, J., Barnes, D. H., & Johnston, A. (2015).** Cytokines in psoriasis. *Cytokine,* 73(2), 342-350.
- Bang, P., Laursen, I., Thornberg, K., Schierbeck, J., Nielsen, B., Valdimarsson, H., ... & Christiansen, M. (2008).** The pharmacokinetic profile of plasma-derived mannan-binding lectin in healthy adult volunteers and patients with *Staphylococcus aureus* septicaemia. *Scandinavian journal of infectious diseases,* 40(1), 44-48.
- Bayram N, Ozkinay F, Onay H, et al. (2012).** Mannose-binding lectin gene codon 54 polymorphism susceptible to brucellosis in Turkish children. *Turk J Pediatr.* 54: 234-8.
- Bergman IM. (2011).** Toll-like receptors (TLRs) and mannan-binding lectin (MBL): on constant alert in a hostile environment. *Ups J Med Sci.* 116: 90-9.
- Brotas AM, Cunha JM, Lago EH, et al. (2012).** Tumor necrosis factor-alpha and the cytokine network in psoriasis. *An Bras Dermatol.* 87:673-81
- Brouwer N, Frakking FN, van de Wetering MD, et al. (2009).** Mannose-binding lectin (MBL) substitution: recovery of opsonic function in vivo lags behind MBL serum levels. *J Immunol.* 18: 3496-504.

- Burden, A. D. and Kirby, B. (2016).** Psoriasis and Related Disorders. Rook's Textbook of Dermatology, Ninth Edition. 1–64.
- Büchau AS, Gallo RL. (2007).** Innate immunity and antimicrobial defense systems in psoriasis. Clin Dermatol. 25: 616-24.
- Callahan, J. A., Hammer, G. E., Agelides, A., Duong, B. H., Oshima, S., North, J., ... & Barrera, J. (2013).** Cutting edge: ABIN-1 protects against psoriasis by restricting MyD88 signals in dendritic cells. The Journal of Immunology, 191(2), 535-539.
- Chamcheu, J. C., Adhami, V. M., Esnault, S., Sechi, M., Siddiqui, I. A., Satyshur, K. A., ... & Wood, G. S. (2017).** Dual Inhibition of PI3K/Akt and mTOR by the Dietary Antioxidant, Delphinidin, Ameliorates Psoriatic Features In Vitro and in an Imiquimod-Induced Psoriasis-Like Disease in Mice. Antioxidants & redox signaling, 26(2), 49-69.
- Cai Y, Fleming C, Yan J. (2013).** Dermal  $\gamma\delta$  T cells - A new player in the pathogenesis of psoriasis. Int Immunopharmacol. 16: 388-91.
- Coimbra S, Figueiredo A, Castro E, et al. (2012).** The roles of cells and cytokines in the pathogenesis of psoriasis. Int J Dermatol. 51: 389-95.
- Connolly DJ, O'Neill LA. (2012).** New developments in Toll-like receptor targeted therapeutics. Curr Opin Pharmacol. 12: 510-8.
- De Messias-Reason IJ, Boldt AB, Moraes Braga AC, et al. (2007).** The association between mannan-binding lectin gene polymorphism and clinical leprosy: new insight into an old paradigm. J Infect Dis. 196: 1379-85.
- Denadai R. (2013).** The role of plasmacytoid dendritic cells and interferon-alpha in the immunopathogenesis of psoriasis. Indian J Dermatol. 58: 247- 247
- Dommett RM, Klein N, Turner MW. (2006).** Mannose-binding lectin in innate immunity: Past, present and future. Tissue Antigens. 68: 193 - 209.
- Downing I, Koch C, Kilpatrick DC. (2003).** Immature dendritic cells possess a sugar-sensitive receptor for human mannan-binding lectin. Immunology. 109: 360-4.

- Downing I, MacDonald SL, Turner ML, et al. (2005).** Detection of an autologous ligand for mannan-binding lectin on human B lymphocytes. *Scand J Immunol.* 62: 507-14.
- Duus K, Thielens NM, Lacroix M, et al. (2010).** CD91 interacts with mannan-binding lectin (MBL) through the MBL-associated serine protease-binding site. *FEBS J.* 277: 4956-64.
- Fantuzzi G, Reed DA, Dinarello CA. (1999).** IL-12-induced IFN-gamma is dependent on caspase-1 processing of the IL-18 precursor. *J Clin Invest.* 104: 761-7.
- Farkas A, Kemény L. (2012).** Monocyte-derived interferon-alpha primed dendritic cells in the pathogenesis of psoriasis: new pieces in the puzzle. *Int Immunopharmacol.* 13: 215-8.
- Fitch, E., Harper, E., Skorcheva, I., Kurtz, S. E., & Blauvelt, A. (2007).** Pathophysiology of psoriasis: recent advances on IL-23 and Th17 cytokines. *Current rheumatology reports,* 9(6), 461-467.
- Flyvbjerg A. (2010).** Diabetic angiopathy, the complement system and the tumor necrosis factor superfamily. *Nat Rev Endocrinol.* 6: 94-101.
- Frakking FN, Brouwer N, van de Wetering MD, et al. (2009).** Safety and pharmacokinetics of plasma-derived mannan-binding lectin (MBL) substitution in children with chemotherapy-induced neutropaenia. *Eur J Cancer.* 45:505-12. Quoted from Heitzeneder et al., 2012.
- Fredriksson T, Pettersson U. (1978).** Severe psoriasis--oral therapy with a new retinoid. *Dermatologica.* 157:238-44. Quoted from Warren et al., 2009.
- Fujita H. (2013).** The role of IL-22 and Th22 cells in human skin diseases. *J Dermatol Sci.* 72: 3-8.
- Garcia-Rodriguez S, Arias-Santiago S, Perandrés-López R, et al. (2013).** Increased gene expression of Toll-like receptor 4 on peripheral blood mononuclear cells in patients with psoriasis. *J Eur Acad Dermatol Venereol.* 27:242-50.

- Garred, P., Pressler, T., Lanng, S., Madsen, H. O., Moser, C., Laursen, I., ... & Koch, C. (2002).** Mannose-binding lectin (MBL) therapy in an MBL-deficient patient with severe cystic fibrosis lung disease. *Pediatric pulmonology*, 33(3), 201-207.
- Gaspari AA. (2006).** Innate and adaptive immunity and the pathophysiology of psoriasis. *J Am Acad Dermatol.* 54: S67-80.
- Girolomoni G, Mrowietz U, Paul C. (2012).** Psoriasis: rationale for targeting interleukin-17. *Br J Dermatol.* 167: 717-24.
- Griffiths C.E.M. & Barker J.N.W.N. (2010).** Psoriasis. In: *Rook's Textbook of Dermatology.* (Burns T, Breathnach S, Cox N, Griffiths C, eds), 8<sup>th</sup> ed. Oxford, UK: Wiley-Blackwell, 871-930.
- Gu, B., Miao, J., Fa, Y., Lu, J., & Zou, S. (2010).** Retinoic acid attenuates lipopolysaccharide-induced inflammatory responses by suppressing TLR4/NF- $\kappa$ B expression in rat mammary tissue. *International immunopharmacology*, 10(7), 799-805.
- Gudjonsson, J. E., Johnston, A., Dyson, M., Valdimarsson, H., & Elder, J. T. (2007).** Mouse models of psoriasis. *The Journal of investigative dermatology*, 127(6), 1292.
- Hari A, Flach TL, Shi Y, et al. (2010).** Toll-like receptors: role in dermatological disease. *Mediators Inflamm.* 2010: 1-16.
- Hanna, E., Abadi, R., & Abbas, O. (2016).** Imiquimod in dermatology: an overview. *International journal of dermatology*, 55(8), 831-844.
- Hébert HL, Ali FR, Bowes J, et al. (2012).** Genetic susceptibility to psoriasis and psoriatic arthritis: implications for therapy. *Br J Dermatol.* 166: 474-82.
- Heitzeneder S, Seidel M, Förster-Waldl E, et al. (2012).** Mannan-binding lectin deficiency-Good news, bad news, doesn't matter? *Clin Immunol.* 143: 22-38.
- Hollox EJ, Huffmeier U, Zeeuwen PL, et al. (2008).** Psoriasis is associated with increased beta-defensin genomic copy number. *Nat Genet.* 40: 23-5.

- Ip WK, Takahashi K, Moore KJ, et al. (2008).** Mannose-binding lectin enhances Toll-like receptors 2 and 6 signaling from the phagosome. *J Exp Med.* 205: 169-81.
- Ivanov II, McKenzie BS, Zhou L, et al. (2006).** The orphan nuclear receptor ROR $\gamma$  directs the differentiation program of proinflammatory IL-17<sup>+</sup> T helper cells. *Cell.* 126: 1121 - 33.
- Jack DL, Klein NJ, Turner MW. (2001).** Mannose-binding lectin: Targeting the microbial world for complement attack and opsonophagocytosis. *Immunol Rev.* 180: 86-99.
- Jiang W, Zhu FG, Bhagat L, et al. (2013).** Toll-Like Receptor 7, 8, and 9 Antagonist Inhibits Th1 and Th17 Responses and Inflammasome Activation in a Model of IL-23-Induced Psoriasis. *J Invest Dermatol.* 133: 1777-84.
- Jiaravuthisan MM, Sasseville D, Vender RB, et al. (2007).** Psoriasis of the nail: anatomy, pathology, clinical presentation, and a review of the literature on therapy. *J Am Acad Dermatol.* 57: 1-27.
- Kagami S, Rizzo HL, Lee JJ, et al. (2010).** Circulating Th17, Th22, and Th1 cells are increased in psoriasis. *J Invest Dermatol.* 130: 1373-83.
- Kang, D., Li, B., Luo, L., Jiang, W., Lu, Q., Rong, M., & Lai, R. (2016).** Curcumin shows excellent therapeutic effect on psoriasis in mouse model. *Biochimie*, 123, 73-80.
- Kim, S. Y., Koo, J. E., Song, M. R., & Lee, J. Y. (2013).** Retinol suppresses the activation of Toll-like receptors in MyD88-and STAT1-independent manners. *Inflammation*, 36(2), 426-433.
- Kim, J., Nadella, P., Kim, D. J., Brodmerkel, C., da Rosa, J. C., Krueger, J. G., & Suárez-Fariñas, M. (2015).** Histological stratification of thick and thin plaque psoriasis explores molecular phenotypes with clinical implications. *PloS one*, 10(7), e0132454.
- Kupetsky EA, Mathers AR, Ferris LK. (2013).** Anti-cytokine therapy in the treatment of psoriasis. *Cytokine.* 61: 704-12.

- Laggner U, Di Meglio P, Perera GK, et al. (2011).** Identification of a novel proinflammatory human skin-homing V $\gamma$ 9V $\delta$ 2 T cell subset with a potential role in psoriasis. *J Immunol.* 187: 2783-93.
- Lallas, A., Kyrgidis, A., Tzellos, T. G., Apalla, Z., Karakyriou, E., Karatolias, A., ... & Zalaudek, I. (2012).** Accuracy of dermoscopic criteria for the diagnosis of psoriasis, dermatitis, lichen planus and pityriasis rosea. *British Journal of Dermatology*, 166(6), 1198-1205.
- Lai, C. Y., Yeh, D. W., Lu, C. H., Liu, Y. L., Huang, L. R., Kao, C. Y., ... & Xiang, R. (2015).** Identification of Thiostrepton as a Novel Inhibitor for Psoriasis-like Inflammation Induced by TLR7–9. *The Journal of Immunology*, 195(8), 3912-3921.
- Lande R, Gregorio J, Facchinetti V, et al. (2007).** Plasmacytoid dendritic cells sense self-DNA coupled with antimicrobial peptide. *Nature.* 449: 564-9.
- Lee C, Hwang S. (2012).** Pathophysiology of chemokines and chemokine receptors in dermatological science: A focus on psoriasis and cutaneous T-cell lymphoma. *Dermatologica Sinica.* 30: 128-135.
- Lever, W. F. & Elder, D. E. (2009).** *Lever's histopathology of the skin* (10th ed.). Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins.
- Li, D., Dong, B., Tong, Z., Wang, Q., Liu, W., Wang, Y., ... & Duan, Y. (2012).** MBL-Mediated Opsonophagocytosis of *Candida albicans* by Human Neutrophils Is Coupled with Intracellular Dectin-1-Triggered ROS Production. *PLoS ONE*, 7(12).
- Liu, H., Zhou, J., Ma, D., Lu, X., Ming, S., Shan, G., ... & Zuo, D. (2014).** Mannan binding lectin attenuates double-stranded RNA-mediated TLR3 activation and innate immunity. *FEBS letters*, 588(6), 866.
- Lokitz M, Zhang W, Bashir M. (2005).** Ultraviolet-B Recruits Mannose-Binding Lectin into Skin from Non-Cutaneous Sources. *J Invest Dermatol.* 125:166-73.

- MacDonald SL, Downing I, Atkinson AP, et al. (2010).** Dendritic cells previously exposed to mannan-binding lectin enhance cytokine production in allogeneic mononuclear cell cultures. *Hum Immunol.* 71: 1077-83.
- Mahil, S. K., Capon, F., & Barker, J. N. (2016).** Update on psoriasis immunopathogenesis and targeted immunotherapy. In *Seminars in immunopathology.* 38: 11-27.
- Mathur AN, Chang HC, Zisoulis DG, et al. (2007).** Stat3 and Stat4 direct development of IL-17-secreting Th cells. *J Immunol.* 178: 4901 - 7.
- Micali, G., Lacarrubba, F., Massimino, D., & Schwartz, R. A. (2011).** Dermatoscopy: alternative uses in daily clinical practice. *Journal of the American Academy of Dermatology,* 64(6), 1135-1146.
- Michelow, I. C., Lear, C., Scully, C., Prugar, L. I., Longley, C. B., Yantosca, L. M., ... & Spear, G. T. (2011).** High-dose mannose-binding lectin therapy for Ebola virus infection. *Journal of Infectious Diseases,* 203(2), 175-179.
- Miller LS, Sørensen OE, Liu PT, et al. (2005).** TGF- $\alpha$  regulates TLR expression and function on epidermal keratinocytes. *J Immunol.* 174: 6137-43.
- Mitra A, Fallen RS, Lima HC. (2013).** Cytokine-based therapy in psoriasis. *Clin Rev Allergy Immunol.* 44: 173-82.
- Mizutani H, Ohmoto Y, Mizutani T, et al. (1997).** Role of increased production of monocytes TNF- $\alpha$ , IL-1 $\beta$  and IL-6 in psoriasis: relation to focal infection, disease activity and responses to treatments. *J Dermatol Sci.* 14: 145-53. Quoted from Turan et al., 2014.
- Morizane, S., Yamasaki, K., Mühleisen, B., Kotol, P. F., Murakami, M., Aoyama, Y., ... & Gallo, R. L. (2012).** Cathelicidin antimicrobial peptide LL-37 in psoriasis enables keratinocyte reactivity against TLR9 ligands. *Journal of Investigative Dermatology,* 132(1), 135-143.

- Møller-Kristensen M, Hamblin MR, Thiel S, et al. (2007).** Burn injury reveals altered phenotype in mannan-binding lectin-deficient mice. *J Invest Dermatol.* 127: 1524-31.
- Møller-Kristensen, M., Ip, W. E., Shi, L., Gowda, L. D., Hamblin, M. R., Thiel, S., ... & Takahashi, K. (2006).** Deficiency of mannose-binding lectin greatly increases susceptibility to postburn infection with *Pseudomonas aeruginosa*. *The Journal of Immunology*, 176(3), 1769-1775.
- Nadesalingam J, Dodds AW, Reid KB, et al. (2005).** Mannose-binding lectin recognizes peptidoglycan via the N-acetyl glucosamine moiety, and inhibits ligand-induced proinflammatory effect and promotes chemokine production by macrophages. *J Immunol.* 175: 1785 - 94.
- Nestle FO, Conrad C, Tun-Kyi A, et al. (2005).** Plasmacytoid predendritic cells initiate psoriasis through interferon-alpha production. *J Exp Med.* 202: 135 - 43.
- Nestle FO, Kaplan DH, Barker J. (2009).** Psoriasis. *N Engl J Med.* 361: 496-509.
- Nestle FO, Turka L a, Nickoloff BJ. (1994).** Characterization of dermal dendritic cells in psoriasis. Auto stimulation of T lymphocytes and induction of Th1 type cytokines. *J Clin Invest.* 94: 202-9.
- Nofal, H (2014).** Mannose binding Lectin gene polymorphism in psoriatic patients (Master's thesis). Retrieved from Faculty of Medicine library, Zagazig university.
- Nogralles KE, Zaba LC, Shemer A, et al. (2009).** IL-22-producing "T22" T cells account for upregulated IL-22 in atopic dermatitis despite reduced IL-17-producing TH17 T cells. *J Allergy Clin Immunol.* 123: 1244-52.
- Nomura I, Goleva E, Howell MD, et al. (2003).** Cytokine milieu of atopic dermatitis, as compared to psoriasis, skin prevents induction of innate immune response genes. *J Immunol.* 171: 3262-9.
- Ono K, Nishitani C, Mitsuzawa H, et al. (2006).** Mannose-binding lectin augments the uptake of lipid A, *Staphylococcus aureus*, and *Escherichia coli* by Kupffer cells



through increased cell surface expression of scavenger receptor A. *J Immunol.* 177: 5517-23.

**Ozawa A, Ohkido M, Haruki Y, et al. (1999).** Treatments of generalized pustular psoriasis: a multicenter study in Japan. *J Dermatol.* 26: 141-9. Quoted from Sigurdardottir et al., 2013.

**Pandey S, Agrawal DK. (2006).** Immunobiology of Toll-like receptors: emerging trends. *Immunol Cell Biol.* 84: 333-41.

**Parker LC, Prince LR, Sabroe I. (2007).** Translational mini-review series on toll-like receptors: Networks regulated by toll-like receptors mediate innate and adaptive immunity. *Clin Exp Immunol.* 147: 199-207.

**Pasare C, Medzhitov R. (2004).** Toll-like receptors and acquired immunity. *Semin Immunol.* 16: 23-26.

**Peric M, Koglin S, Dombrowski Y, et al. (2009).** Vitamin D analogs differentially control antimicrobial peptide/"alarmin" expression in psoriasis. *PLoS One.* 4: 1-10.

**Petersen, K. A., Matthiesen, F., Agger, T., Kongerslev, L., Thiel, S., Cornelissen, K., & Axelsen, M. (2006).** Phase I safety, tolerability, and pharmacokinetic study of recombinant human mannan-binding lectin. *Journal of clinical immunology,* 26(5), 465-475.

**Pollock R, Chandran V, Barrett J, et al. (2011).** Differential major histocompatibility complex class I chain-related A allele associations with skin and joint manifestations of psoriatic disease. *Tissue Antigens.* 77: 554-61.

**Prignano F, Ricceri F, Beccatti M, et al. (2012).** Circulating dendritic cell subsets in psoriatic patients before and after biologic therapy. *J Dermatol.* 39: 274-5.

**Ram, S., Lewis, L. A., & Rice, P. A. (2010).** Infections of people with complement deficiencies and patients who have undergone splenectomy. *Clinical microbiology reviews,* 23(4), 740-780.

- Ramnath, D., Tunny, K., Hohenhaus, D. M., Pitts, C. M., Bergot, A. S., Hogarth, P. M., ... & Sweet, M. J. (2015).** TLR3 drives IRF6-dependent IL-23p19 expression and p19/EBI3 heterodimer formation in keratinocytes. *Immunology and cell biology*, 93(9), 771-779.
- Reinholz M, Ruzicka T, Schaubert J. (2012).** Cathelicidin LL-37: an antimicrobial peptide with a role in inflammatory skin disease. *Ann Dermatol.* 24: 126-35.
- Rizzo HL, Kagami S, Phillips KG, et al. (2011).** IL-23-mediated psoriasis-like epidermal hyperplasia is dependent on IL-17A. *J Immunol.* 186: 1495-502.
- Sabat, R., Philipp, S., Höflich, C., Kreutzer, S., Wallace, E., Asadullah, K., ... & Wolk, K. (2007).** Immunopathogenesis of psoriasis. *Experimental dermatology*, 16(10), 779-798.
- Saggini, A., Chimenti, S., & Chiricozzi, A. (2014).** IL-6 as a druggable target in psoriasis: focus on pustular variants. *Journal of immunology research*, 2014.
- Seung NR, Park EJ, Kim CW, et al. (2007).** Comparison of expression of heat-shock protein 60, Toll-like receptors 2 and 4, and T-cell receptor gamma delta in plaque and guttate psoriasis. *J Cutan Pathol.* 34: 903-11. Quoted from Garcia-Rodriguez et al., 2013.
- Shi, L., Takahashi, K., Dundee, J., Shahroor-Karni, S., Thiel, S., Jensenius, J. C., ... & Ezekowitz, R. A. B. (2004).** Mannose-binding lectin-deficient mice are susceptible to infection with *Staphylococcus aureus*. *The Journal of experimental medicine*, 199(10), 1379-1390.
- Shimizu T, Nishitani C, Mitsuzawa H, et al. (2009).** Mannose binding lectin and lung collectins interact with Toll-like receptor 4 and MD-2 by different mechanisms. *Biochim Biophys Acta.* 1790:1705-10.
- Shinya K, Ito M, Makino A, et al. (2012).** The TLR4-TRIF pathway protects against H5N1 influenza virus infection. *J Virol.* 86: 19-24.

- Sigurdardottir SL, Thorleifsdottir RH, Valdimarsson H, et al. (2013).** The role of the palatine tonsils in the pathogenesis and treatment of psoriasis. *Br J Dermatol.* 168: 237-42.
- Steinman RM, Idoyaga J. (2010).** Features of the dendritic cell lineage. *Immunol Rev.* 234: 5-17.
- Sticherling M. (2005).** Mechanisms of psoriasis. *Drug Discovery Today: Disease Mechanisms.* 2: 275-281.
- Strange A, Capon F, Spencer CC, et al. (2010).** A genome-wide association study identifies new psoriasis susceptibility loci and an interaction between HLA-C and ERAP1. *Nat Genet.* 42: 985-90.
- Stuart PE, Hüffmeier U, Nair RP, et al. (2012).** Association of  $\beta$ -defensin copy number and psoriasis in three cohorts of European origin. *J Invest Dermatol.* 132: 2407-13.
- Swindell, W. R., Johnston, A., Carbajal, S., Han, G., Wohn, C., Lu, J., ... & Wang, X. J. (2011).** Genome-wide expression profiling of five mouse models identifies similarities and differences with human psoriasis. *PloS one*, 6(4), e18266.
- Tang, Y., Ma, D., Ming, S., Zhang, L., Zhou, J., Shan, G., ... & Zuo, D. (2015).** Mannan-binding lectin reduces CpG DNA-induced inflammatory cytokine production by human monocytes. *Microbiology and immunology*, 59(4), 231.
- Takahashi K. (2011).** Mannose-binding lectin and the balance between immune protection and complication. *Expert Rev Anti Infect Ther.* 9: 1179-90.
- Tenaud I, Khammari A, Dreno B. (2007).** In vitro modulation of TLR-2, CD1d and IL-10 by adapalene on normal human skin and acne inflammatory lesions. *Exp Dermatol.* 16: 500-6. Quoted from Hari et al., 2010
- Tohyama M, Yang L, Hanakawa Y, et al. (2012).** IFN- $\alpha$  enhances IL-22 receptor expression in keratinocytes: a possible role in the development of psoriasis. *J Invest Dermatol.* 132: 1933-5.

- Tsutsumi A, Takahashi R, Sumida T. (2005).** Mannose binding lectin: genetics and autoimmune disease. *Autoimmun Rev.* 4: 364-72.
- Turan H, Karkucak M, Yakut T, et al. (2014).** Does MBL2 codon 54 polymorphism play a role in the pathogenesis of psoriasis? *Int J Dermatol.* 53: 34-8.
- Ueno H, Schmitt N, Klechevsky E, et al. (2010).** Harnessing human dendritic cell subsets for medicine. *Immunol Rev.* 234. 199-212.
- Valdimarsson, H., Vikingsdottir, T., Bang, P., Saevarsdottir, S., Gudjonsson, J. E., Oskarsson, O., ... & Koch, C. (2004).** Human Plasma-Derived Mannose-Binding Lectin: A Phase I Safety and Pharmacokinetic Study. *Scandinavian journal of immunology*, 59(1), 97-102.
- Van der Fits, L., Mourits, S., Voerman, J. S., Kant, M., Boon, L., Laman, J. D., ... & Lubberts, E. (2009).** Imiquimod-induced psoriasis-like skin inflammation in mice is mediated via the IL-23/IL-17 axis. *The Journal of Immunology*, 182(9), 5836-5845.
- Wang M, Chen Y, Zhang Y, et al. (2011) a.** Mannan-binding lectin directly interacts with Toll-like receptor 4 and suppresses lipopolysaccharide-induced inflammatory cytokine secretion from THP-1 cells. *Cell Mol Immunol.* 8: 265 - 75.
- Wang, M., Zhang, Y., Chen, Y., Zhang, L., Lu, X., & Chen, Z. (2011) b.** Mannan-binding lectin regulates dendritic cell maturation and cytokine production induced by lipopolysaccharide. *BMC immunology*, 12(1), 1.
- World Health Organization. (2016).** Global report on psoriasis. Switzerland: WHO Press
- Worthley DL, Bardy PG, Mullighan CG. (2005).** Mannose-binding lectin: biology and clinical implications. *Intern Med J.* 35: 548-55.
- Yano S, Banno T, Walsh R, et al. (2008).** Transcriptional responses of human epidermal keratinocytes to cytokine interleukin-1. *J Cell Physiol.* 214: 1-13.

- Yao Y, Richman L, Morehouse C, et al. (2008).** Type I interferon: potential therapeutic target for psoriasis? PLoS One. 3: 1-14.
- Zaba LC, Fuentes-Duculan J, Eungdamrong NJ, et al. (2009).** Psoriasis is characterized by accumulation of immunostimulatory and Th1/Th17 cell-polarizing myeloid dendritic cells. J Invest Dermatol. 129: 79-88.
- Zanvit, P., Konkel, J. E., Jiao, X., Kasagi, S., Zhang, D., Wu, R., ... & Abbatiello, B. (2015).** Antibiotics in neonatal life increase murine susceptibility to experimental psoriasis. Nature communications, 6.
- Zheng Y, Caro I, Ouyang W. (2007).** Role of cytokine therapy in the treatment of psoriasis. Drug Discov. Today Ther. Strateg. 4: 25–31.
- Zhou, Y., Lu, K., Pfefferle, S., Bertram, S., Glowacka, I., Drosten, C., ... & Simmons, G. (2010).** A single asparagine-linked glycosylation site of the severe acute respiratory syndrome coronavirus spike glycoprotein facilitates inhibition by mannose-binding lectin through multiple mechanisms. Journal of virology, 84(17), 8753-8764.