

PUBLICATIONS Prue H Hart

Refereed Research Publications:

1976-1989

1. **Hart, P.H.**, Farrell, G.C., Cooksley, W.G.E., and Powell, L.W. (1976) Enhanced drug metabolism in cigarette smokers. *British Medical Journal*, **2**, 222-224.
2. **Hart, P.**, Cooksley, W.G.E., Farrell, G.C. and Powell, L.W. (1977) 3-Methylcholanthrene inducibility of aryl hydrocarbon hydroxylase in cultured human lymphocytes depends upon the extent of blast transformation. *Biochemical Pharmacology*, **26**, 1831-1834.
3. Farrell, G.C., Cooksley, W.G.E., **Hart, P.** and Powell, L.W. (1978) Drug metabolism in liver disease. Identification of patients with impaired hepatic drug metabolism. *Gastroenterology*, **75**, 580-588,
4. Powell, L.W., **Hart, P.**, Neilsen, M.H. and Werdelin, O. (1980) Antigen dependent physical interaction between human monocytes and T lymphocytes. *Scand. J. Immunol.*, **12**, 467-473.
5. **Hart, P.**, Powell, L.W., Cooksley, W.G.E. and Halliday, J.W. (1983) Mononuclear cell factors which decrease fibroblast collagen synthesis. I. In vitro conditions determining their production and expression. *Scand. J. Immunol.*, **18**, 41-49.
6. **Hart, P.**, Powell, L.W., Cooksley, W.G.E. and Halliday, J.W. (1983) Mononuclear cell factors which decrease fibroblast collagen synthesis. II. Properties and mechanism of action. *Scand. J. Immunol.*, **18**, 51-58.
7. Finlay-Jones, J.J., Shellam, G.R., Boyden, A.N., **Hart, P.H.**, Spencer, L.K., Skinner, J.M. and McDonald, P.J. (1984) Abscess induction in beige (bg/bg) mutant mice. *Aust. J. Exp. Biol. Med. Sci.*, **62**, 589-595
8. **Hart, P.H.**, Spencer, L.K., McDonald, P.J. and Finlay-Jones, J.J. (1985) Evaluation of intracellular killing of bacteria by enriched populations of mouse peritoneal exudate neutrophils. *Aust. J. Exp. Biol. Med. Sci.*, **63**, 361-370.
9. **Hart, P.H.**, Spencer, L.K., Nulsen, M.F., McDonald, P.J. and Finlay-Jones, J.J. (1986) Neutrophil activity in abscess-bearing mice: Comparative studies with neutrophils isolated from peripheral blood, elicited peritoneal exudates, and abscesses. *Infect. Immun.*, **51**, 936-941.
10. **Hart, P.H.**, Spencer, L.K., Nikoloutsopoulos, A., Lopez, A.F., Vadas, M.A., McDonald, P.J. and Finlay-Jones, J.J. (1986) Role of cell surface receptors in the regulation of intracellular killing of bacteria by murine peritoneal exudate neutrophils. *Infect. Immun.*, **52**, 245-251.
11. **Hart, P.H.**, Spencer, L.K., Hill, N.L., McDonald, P.J. and Finlay-Jones, J.J. (1987) Role of antibody and complement in the processes of phagocytosis and intracellular killing of *Proteus mirabilis* by mouse peritoneal exudate neutrophils. *Brit. J. Exp. Pathol.*, **68**, 89-95.
12. **Hart, P.H.**, Spencer, L.K., Kenny, P.A., Lopez, A.F., McDonald, P.J. and Finlay-Jones, J.J. (1987) Functional neutrophils from long term bone marrow cell cultures. *J. Immunol. Methods*, **100**, 223- 228.
13. **Hart, P.H.**, Whitty, G.A., Piccoli, D.S. and Hamilton, J.A. (1988) Synergistic activation of human monocytes by granulocyte-macrophage colony-stimulating factor and IFN- γ . Increased TNF- α but not IL-1 activity. *J. Immunol.*, **141**, 1516-1521.
14. Butler, D.M., Piccoli, D.S., **Hart, P.H.** and Hamilton, J.A. (1988) Stimulation of human synovial fibroblast DNA synthesis by recombinant human cytokines. *J. Rheumatol.*, **15**, 1463-1470.

15. **Hart, P.H.**, Whitty, G.A., Piccoli, D.S. and Hamilton, J.A. (1989) Control by IFN- γ and PGE₂ of TNF- α and IL-1 production by human monocytes. *Immunology*, **66**, 376-383.
16. **Hart, P.H.**, Vitti, G.F., Burgess, D.R., Singleton, D.K. and Hamilton, J.A. (1989) Human monocytes can produce tissue-type plasminogen activator. *J. Exp. Med.*, **169**, 1509-1513.
17. **Hart, P.H.**, Vitti, G.F., Burgess, D.R., Whitty, G.A., Piccoli, D.S. and Hamilton, J.A. (1989) Potential anti-inflammatory effects of interleukin-4. Suppression of human monocyte TNF α , IL-1 and PGE₂ levels. *Proc. Natl. Acad. Sci. USA*, **86**, 3803-3807.
18. **Hart, P.H.**, Burgess, D.R., Vitti, G.F. and Hamilton, J.A. (1989) Interleukin-4 stimulates human monocytes to produce tissue plasminogen activator. *Blood*, **74**, 1222 – 1225.
19. Aylward, P., I. Campbell, M. Field, J. Finlay-Jones, **P. Hart** et al. (1989). Relatively few clinicians in medical research in Australia: a problem? *Aust. N.Z. J. Med.*, **19**, 513 – 514.

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20. Kriegler, A.B., Bradley, T.R., Bertocello, I., Hamilton, J.A., **Hart, P.H.**, Piccoli, D.S. and Hodgson, G.S. (1990) Progenitor cells in murine bone marrow stimulated by growth factors produced by the AF1-19T rat cell line. *Exp. Hematol.*, **18**, 272-278.
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22. Cheung, D.L., **Hart, P.H.**, Vitti, G.F., Whitty, G.A. and Hamilton, J.A. (1990) Contrasting effects of IFN- γ and IL-4 on the IL-6 activity of stimulated human monocytes. *Immunology*, **71**, 70-75.
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24. **Hart, P.H.**, Vitti, G.F., Burgess, D.R., Whitty, G.A. and Hamilton, J.A. (1991). Activation of human monocytes by granulocyte-macrophage colony-stimulating factor. Increased urokinase-type plasminogen activator activity. *Blood*, **77**, 841-849.
25. Hamilton, J.A., **Hart, P.H.**, Leizer, T., Vitti, G.F. and Campbell, I.K. (1991) Regulation of plasminogen activator activity in arthritic joints. *J. Rheumatology*, **18** (Suppl 27), 106-109.
26. Finlay-Jones, J.J., **Hart, P.H.**, Spencer, L.K., Nulsen, M.F., Kenny, P.A. and McDonald, P.J. (1991) Bacterial killing in vitro by abscess-derived neutrophils. *J. Med. Microbiol.*, **34**, 73-81.
27. Finlay-Jones, J.J., Kenny, P.A., **Hart, P.H.**, Nulsen, M.F. and McDonald, P.J. (1991). Abscesses. *Today's Life Science*, **2**, 38-44.
28. **Hart, P.H.**, Cooper, R.L. and J.J. Finlay-Jones (1991). IL-4 suppresses IL-1 β , TNF α and PGE₂ production by human peritoneal macrophages. *Immunology*, **72**, 344-349.
29. **Hart, P.H.**, Jones, C.A. and Finlay-Jones, J.J. (1992) Peritoneal macrophages during peritonitis. Phenotypic studies. *Clin. Exp. Immunol.*, **88**, 484-491.
30. **Hart, P.H.**, Jones, C.A. and Finlay-Jones, J.J. (1992) IL-4 suppression of monocyte TNF α production. Dependence on protein synthesis but not on cAMP production. *Immunology*, **76**, 560-565.

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32. **Hart, P.H.**, Jones, C.A., and Finlay-Jones, J.J. (1993) Inflammatory fluids regulate TNF α , but not IL-1 β , production by human peritoneal macrophages. A study of patients with continuous ambulatory peritoneal dialysis. *J. Leuk. Biol.*, **53**, 309-319.
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34. **Hart, P.H.**, Jones, C.A., Jones, K.L., Watson, C.J., Santucci, I., Spencer, L.K. and Finlay-Jones, J.J. (1993) Cis-urocanic acid stimulates peripheral blood monocyte PGE₂ production and suppresses indirectly TNF α levels. *J. Immunol.*, **150**, 4514-4523.
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36. **Hart, P.H.**, Ahern, M.J., Jones, C.A., Jones, K.L., Smith, M.D. and Finlay-Jones, J.J. (1993) Synovial fluid macrophages and blood monocytes differ in their responses to interleukin-4. *J. Immunol.*, **151**, 3370-3380.
37. Finlay-Jones, J.J., **Hart, P.H.** and McDonald, P.J. (1994). Pathogenesis of intra-abdominal sepsis. *Recent Advances in Microbiology*, **2**, 138-173.
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39. Jaksic, A., J.J. Finlay-Jones, C.J. Watson, L.K. Spencer, I. Santucci and **P.H. Hart** (1995). Cis-urocanic acid synergizes with histamine for increased PGE₂ production by human keratinocytes: link to indomethacin-inhibitable UVB-induced immunosuppression. *Photochem. Photobiol.*, **61**, 303-309.
40. Jones, C.A., K.A. Williams, J.J. Finlay-Jones and **P.H. Hart** (1995). Interleukin 4 production by human amnion epithelial cells and regulation of its activity by glycosaminoglycan binding. *Biol. Reprod.*, **52**, 839-847.
41. **Hart, P.H.**, M.J. Ahern, M.D. Smith and J.J. Finlay-Jones (1995). Regulatory effects of IL-13 on synovial fluid macrophages and blood monocytes from patients with inflammatory arthritis. *Clin. Exp. Immunol.*, **99**, 331-337.
42. **Hart, P.H.**, M.J. Ahern, M.D. Smith and J.J. Finlay-Jones (1995). Comparison of the suppressive effects of IL-10 and IL-4 on synovial fluid macrophages and blood monocytes from patients with inflammatory arthritis. *Immunology*, **84**, 536-542.
43. Watson, C.J., J.J. Finlay-Jones, P.J. McDonald and **P.H. Hart** (1995). IL-4 mRNA expression by peritoneal cells during episodes of peritonitis in patients on continuous ambulatory peritoneal dialysis. *Clin. Exp. Immunol.*, **100**, 253-261.
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58. Bonder, C.S., J.J. Finlay-Jones and **P.H. Hart** (1999). Interleukin-4 regulation of human monocyte and macrophage interleukin-10 and interleukin-12 production. Role of a functional interleukin-2 receptor γ chain. *Immunology*, **96**, 529-536.
59. Smith, J.R., **P.H. Hart**, C.R. Parish, S.D. Standfield, D.J. Coster and K.A. Williams (1999). Experimental melanin-induced uveitis in the Fischer 344 rat is inhibited by anti-CD4 monoclonal antibody, but not by mannose-6-phosphate. *Clin. Exp. Immunol.*, **115**, 64-71.
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61. **Hart P.H.**, M.A. Grimbaldston, G.J. Swift, E.K. Hosszu and J.J. Finlay-Jones (1999) A critical role for dermal mast cells in *cis*-urocanic acid-induced systemic suppression of contact hypersensitivity responses in mice. *Photochem. Photobiol.*, **70**, 807-812.
62. **Hart P.H.**, M.A. Grimbaldston, E.K. Hosszu, G.J. Swift, F.P. Noonan and J.J. Finlay-Jones (1999) Age-related changes in dermal mast cell prevalence in

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