

## SELECTED REFERENCES

1. **Greaves MF** and Janossy G (1972) Elicitation of selective T and B lymphocyte responses by cell surface binding ligands. *Transpl Rev*, II: 87-130.
2. **Greaves MF**, Janossy G and Doenhoff M (1974) Selective triggering of human T and B lymphocytes *in vitro* by polyclonal mitogens. *J Exp Med*, 140: 1-18.
3. Brown G and **Greaves MF** (1974) Cell surface markers for human T and B lymphocytes. *Eur J Immunol*, 4: 302-310.
4. Revesz T and **Greaves MF** (1975) Ligand induced redistribution of lymphocyte membrane ganglioside GM1. *Nature*, 257: 103-106.
5. Brown G, Capellaro D and **Greaves MF** (1975) Leukemia associated antigens in man. *J Natl Cancer Inst*, 55: 1281-1289.
6. Chessells JM, Hardisty RM, Rapson NT and **Greaves MF** (1977) Acute lymphoblastic leukaemia in children: classification and prognosis. *Lancet*, ii: 1307-1309.
7. **Greaves MF** and Janossy G (1978) Patterns of gene expression and the cellular origins of human leukaemias. *Biochim et Biophys Acta*, 516: 193-230.
8. **Greaves MF** (1981) Analysis of the clinical and biological significance of lymphoid phenotypes in acute leukemia. *Cancer Res*, 41: 4752-4766.
9. **Greaves MF**, Verbi W, Tilley R, Lister TA, Robert-Guroff M, Blattner W, Reitz MS and Gallo RC (1984) Human T-cell leukemia virus in immigrants to the United Kingdom. In: *Human T-Cell Leukemia/Lymphoma Viruses* (ed. RC Gallo, ME Essex, L Gross). Cold Spring Harbor Publ, pp 297-306.
10. **Greaves MF**, Verbi W, Tilley R, Lister TA, Habeshaw J, Guo H-G, Trainor CD, Robert-Guroff M, Blattner W, Reitz M and Gallo RC (1984) Human T-cell leukaemia virus (HTLV) in the United Kingdom. *Int J Cancer*, 33: 795-806.
11. Chan LC, Pegram SM and **Greaves MF** (1985) Contribution of immunophenotype to the classification and differential diagnosis of acute leukaemia. *Lancet*, i: 475-479.
12. **Greaves MF**, Pegram SM and Chan LC (1985) Collaborative group study of the epidemiology of acute lymphoblastic leukaemia subtypes: Background and first report. *Leukemia Res*, 9: 715-733.
13. **Greaves MF**, Chan LC, Furley AJW, Watt SM and Molgaard HV (1986) Lineage promiscuity in hemopoietic differentiation and leukemia. *Blood*, 67: 1-11.
14. Furley AJ, Mizutani S, Weilbaecher K, Dhaliwal HS, Ford AM, Chan LC, Molgaard HV, Toyonaga B, Mak T, van den Elsen P, Gold D, Terhorst C and **Greaves MF** (1986) Developmentally regulated rearrangement and expression of genes encoding the T cell receptor-T3 complex. *Cell*, 46: 75-87.
15. **Greaves MF** (1986) Differentiation-linked leukaemogenesis in lymphocytes. *Science* 234:

16. Gordon MY, Riley GP, Watt SM and **Greaves MF** (1987) Compartmentalization of a haematopoietic growth factor (GM-CSF) by glycosaminoglycans in the bone marrow microenvironment. *Nature*, 326: 403-405.
17. Mizutani S, Watt SM, Robertson D, Hussein S, Healy LE, Furley AJW and **Greaves MF** (1987) Cloning of human thymic subcapsular cortex epithelial cells with T-lymphocyte binding sites and hemopoietic growth factor activity. *Proc Natl Acad Sci USA*, 84: 4999-5003.
18. Gordon MY, Dowding CR, Riley GP, Goldman JM and **Greaves MF** (1987) Altered adhesive interactions with marrow stroma of haematopoietic progenitor cells in chronic myeloid leukaemia. *Nature*, 328: 342-344.
19. Ford AM, Watt SM, Furley AJW, Molgaard HV and **Greaves MF** (1988) Cell lineage specificity of chromatin configuration around the immunoglobulin heavy chain enhancer. *EMBO J*, 7: 2393-2399.
20. Brown J, **Greaves MF** and Molgaard HV (1991) The gene encoding the stem cell antigen, CD34, is conserved in mouse and expressed in haemopoietic progenitor cell lines, brain, and embryonic fibroblasts. *Int Immunol*, 3: 175-184.
21. Ford AM, Bennett CA, Healy LE, Navarro E, Spooncer E and **Greaves MF** (1992) Immunoglobulin heavy-chain and CD3 δ-chain gene enhancers are DNase I hypersensitive in hemopoietic progenitor cells. *Proc Natl Acad Sci USA*, 89: 3424-3428.
22. Griffiths SD, Healy LE, Ford AM, Bennett CA, Voncken JW, Heisterkamp N, Groffen J and **Greaves MF** (1992) Clonal characteristics of acute lymphoblastic cells derived from *BCR/ABL* p190 transgenic mice. *Oncogene*, 7: 1391-1399.
23. **Greaves MF**, Colman SM, Beard MEJ, Bradstock K, Cabrera ME, Chen P-M, Jacobs P, Lam-Po-Tang PRL, MacDougall LG, Williams CKO and Alexander FE (1993) Geographical distribution of acute lymphoblastic leukaemia subtypes: second report of the collaborative group study. *Leukemia*, 7: 27-34.
24. **Greaves MF** (1993) Stem cell origins of leukaemia and curability. *Brit J Cancer*, 67: 413-423.
25. Ford AM, Ridge SA, Cabrera ME, Mahmoud H, Steel CM, Chan LC and **Greaves M** (1993) *In utero* rearrangements in the trithorax-related oncogene in infant leukaemias. *Nature*, 363: 358-360.
26. Healy L, May G, Gale K, Grosveld F, **Greaves M** and Enver T (1995) The stem cell antigen CD34 functions as a 'regulator' of hemopoietic cell adhesion. *Proc Natl Acad Sci USA*, 92: 12240-12244.
27. **Greaves MF** (1997) Aetiology of acute leukaemia. *Lancet*, 349: 344-349.
28. Hu M, Krause D, **Greaves M**, Sharkis S, Dexter M, Heyworth C and Enver T (1997) Multilineage gene expression precedes commitment in the hemopoietic system. *Genes Develop*, 11: 774-785.
29. Gale KB, Ford AM, Repp R, Borkhardt A, Keller C, Eden OB & **Greaves MF** (1997)

Backtracking leukemia to birth: identification of clonotypic gene fusion sequences in neonatal blood spots. Proc Natl Acad Sci USA, 94: 13950-13954.

30. Enver T & **Greaves M** (1998) Loops, lineage, and leukemia. Cell, 94: 9-12.
31. Ford AM, Bennett CA, Price CM, Bruin MCA, Van Wering ER & **Greaves M** (1998) Fetal origins of the *TEL-AML1* fusion gene in identical twins with leukemia. Proc Natl Acad Sci USA, 95: 4584-4588.
32. **Greaves M** (1999) Molecular genetics, natural history and the demise of childhood leukaemia. Eur J Cancer, 35: 173-185.
33. Wiemels JL, Ford AM, Van Wering ER, Postma A & **Greaves M** (1999) Protracted and variable latency of acute lymphoblastic leukemia after *TEL-AML1* gene fusion in utero. Blood, 94: 1057-1062.
34. Gibbons DL, MacDonald D, McCarthy KP, Cleary HJ, Plumb M, Wright EG & **Greaves MF** (1999) An *E $\mu$ -BCL-2* transgene facilitates leukaemogenesis by ionizing radiation. Oncogene, 18: 3870-3877.
35. Wiemels JL & **Greaves M** (1999) Structure and possible mechanisms of *TEL-AML1* gene fusions in childhood acute lymphoblastic leukemia. Cancer Res, 59: 4075-4082.
36. Wiemels JL, Cazzaniga G, Daniotti M, Eden OB, Addison GM, Masera G, Saha V, Biondi A & **Greaves MF** (1999) Prenatal origin of acute lymphoblastic leukaemia in children. Lancet, 354: 1499-1503.
37. Alexander FE, Patheal SL, Biondi A, Brandalise S, Cabrera ME, Chan LC, Chen Z, Cimino G, Cordoba JC, Gu L-J, Hussein H, Ishii E, Kamel AM, Labra S, Magalhães IQ, Mizutani S, Petridou E, Pombo de Oliveira M, Yuen P, Wiemels JL & **Greaves MF** (2001) Transplacental chemical exposure and risk of infant leukaemia with *MLL* gene fusion. Cancer Res, 61: 2542-2546.
38. Maia AT, Ford AM, Jalali GR, Harrison CJ, Taylor GM, Eden OB & **Greaves MF** (2001) Molecular tracking of leukemogenesis in a triplet pregnancy. Blood, 98: 478-482.
39. **Greaves M** (2002) Cancer causation: the Darwinian downside of past success? Lancet Oncol, 3: 244-251.
40. Wiemels JL, Xiao Z, Buffler PA, Maia AT, Ma X, Dicks BM, Smith MT, Zhang L, Feusner J, Wiencke J, Pritchard-Jones K, Kempski H & **Greaves M** (2002) *In utero* origin of t(8;21) *AML1-ETO* translocations in childhood acute myeloid leukemia. Blood, 99: 3801-3805.
41. Mori H, Colman SM, Xiao Z, Ford AM, Healy LE, Donaldson C, Hows JM, Navarrete C & **Greaves M** (2002) Chromosome translocations and covert leukemic clones are generated during normal fetal development. Proc Natl Acad Sci USA, 99: 8242-8247.
42. Kempski H, Mensa-Bonsu KA, Kearney L, Jalali GR, Hann I, Khurshid M & **Greaves M** (2003) Prenatal chromosomal diversification of leukemia in monozygotic twins. Genes Chromosomes Cancer, 37: 406-411.
43. **Greaves MF** & Wiemels J (2003) Origins of chromosome translocations in childhood

leukaemia. *Nature Rev Cancer*, 3: 639-649.

44. **Greaves MF**, Maia AT, Wiemels JL & Ford AM (2003) Leukemia in twins: lessons in natural history. *Blood*, 102: 2321-2333.
45. Maia AT, Tussiwand R, Cazzaniga G, Rebulla P, Colman S, Biondi A & **Greaves M** (2004) Identification of preleukemic precursors of hyperdiploid acute lymphoblastic leukaemia in cord blood. *Genes Chromosomes Cancer*, 40: 38-43.
46. Eguchi M, Eguchi-Ishimae M & **Greaves M** (2004) The small oligomerization domain of gephyrin converts MLL to an oncogene. *Blood*, 103: 3876-3882.
47. Tsuzuki S, Seto M, **Greaves M**, Enver T (2004) Modeling first-hit functions of the t(12;21) *TEL-AML1* translocation in mice. *Proc Natl Acad Sci USA*, 101: 8443-8448.
48. Zuna J, Ford AM, Peham M, Patel N, Saha V, Eckert C, Köchling J, Panzer-Grümayer R, Trka J, **Greaves M** (2004) *TEL* deletion analysis supports a novel view of relapse in childhood acute lymphoblastic leukemia. *Clin Cancer Res*, 10: 5355-5360.
49. Eguchi M, Eguchi-Ishimae M, Green A, Enver T & **Greaves M** (2005) Directing oncogenic fusion genes into stem cells via an *SCL* enhancer. *Proc Natl Acad Sci USA*, 102: 1133-1138.
50. Gilham C, Peto J, Simpson J, Roman E, Eden TOB, **Greaves MF** & Alexander FE, for the UKCCS Investigators (2005) Day care in infancy and risk of childhood acute lymphoblastic leukaemia: findings from UK case-control study. *Br Med J*, 330: 1294-1297.
51. MacKenzie J, **Greaves MF**, Eden TOB, Clayton RA, Perry J, Wilson KS, Jarrett RF (2006) The putative role of transforming viruses in childhood acute lymphoblastic leukemia. *Haematologica*, 91: 240-243.
52. **Greaves M** (2006) Infection, immune responses and the aetiology of childhood leukaemia. *Nat Rev Cancer*, 6: 193-203.

## BOOKS

1. **Greaves MF**, Owen JJT and Raff MC (1973) T and B Lymphocytes: Their Origins, Properties and Roles in Immune Responses. Excerpta Medica, Amsterdam.
2. **Greaves MF** (1975) Cellular Recognition. Outline Series in Biology. Chapman Hall Publ, London.
3. Zucker-Franklin D, **Greaves MF**, Grossi C and Marmont A (1987) 2nd Edition - Atlas of Blood Cells: Function and Pathology. Lea and Febiger Publ, Philadelphia, USA.
4. **Greaves M** (2000) Cancer. The Evolutionary Legacy. Oxford University Press, Oxford.
5. **Greaves M** (2001) Cancer. The Evolutionary Legacy. Paperback edition (Oxford University Press), and foreign language editions in Italian, German, Spanish and Japanese.