

Supplementary Material

Donald Metcalf 1929–2014

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CURRICULUM VITAE AND COMPLETE BIBLIOGRAPHY

NAME METCALF, Donald
AC, MD, BSc (Med) (Sydney)
FRCPA, FRACP, Hon FRC Path (London),
Hon. DSc (Sydney), Hon MD (Oslo), FAA, FRS

DATE OF BIRTH 26 February 1929

UNIVERSITY TRAINING

- 1946 Exhibition in Medicine - University of Sydney
- 1951 BSc (Med) in Virology University of Sydney
- 1953 MB, BS University of Sydney
- 1961 Doctorate of Medicine - University of Sydney (MD)

ACADEMIC AWARDS

- 1963 Fellow of Royal College of Pathologists of Australasia (FRCPA)
- 1969 Fellow, Australian Academy of Science (FAA)
- 1971 Fellow, Royal Australasian College of Physicians (FRACP)
- 1983 Fellow, Royal Society (FRS)
- 1987 Foreign Associate, National Academy of Sciences, USA
- 1988 Honorary Foreign Member, Association of American Physicians

- 1988 Honorary Doctor of Science, University of Sydney
- 1993 Honorary Member, American Association of Immunologists
- 1994 Honorary Doctor of Medicine, University of Oslo
- 1995 Honorary Member, American Society of Hematology
- 1996 Honorary Fellow, Royal College of Pathologists (FRCPath)
- 2013 Fellow of the American Association for Cancer Research (AACR) Academy

PRESENT POSITIONS

- 1954– Carden Fellow in Cancer Research. Division of Cancer and Haematology, The Walter and Eliza Hall Institute of Medical Research, Melbourne

- 1996– Professor Emeritus of The University of Melbourne

POSITIONS HELD

- 1965-1996 Head - Cancer Research Unit, The Walter and Eliza Hall Institute of Medical Research, Melbourne
- 1965-1996 Assistant Director - The Walter and Eliza Hall Institute of Medical Research, Melbourne
- 1986-1996 Research Professor of Cancer Biology, University of Melbourne

- 1950-1951 Demonstrator in Bacteriology, University of Sydney
- 1953-1954 Resident Medical Officer, Royal Prince Alfred Hospital, Sydney
- 1953-1958 Surgeon-Lieutenant, Royal Australian Navy Reserve
- 1956-1958 Research Associate in Pathology, Children's Cancer Research Foundation, Harvard Medical School, Boston
- 1958-1964 Head - Cancer Research Laboratory, The Walter and Eliza Hall Institute of Medical Research, Melbourne
- 1965-1969 Scientific Council, International Agency for Research on Cancer, Lyon
- 1965-1966 Acting Medical Adviser, Australian Cancer Society
- 1966-1967 Visiting Principal Scientist, Roswell Park Memorial Institute, Buffalo, New York
- 1967-1981 Executive Council, Australian Cancer Society
- 1970-1974 Vice-President, International Union Against Cancer (UICC)

1970-1975	Consultant Immunology Unit, World Health Organization
1970-1976	Selection Committee, Queen Elizabeth II Fellowships, Canberra
1970-1973	Sectional Committee 6, Australian Academy of Science
1972-1973	Chairman - Sectional Committee 6, Australian Academy of Science
1971-1987	Member, World Committee International Association for Comparative Research on Leukemia and Related Diseases
1971-1975	Cancer Research Advisory Committee, University of Sydney
1972-1976	Sectional Committee 7, Australian Academy of Science
1972-1982	Chairman, Programme of Experimental Oncology, International Union Against Cancer (UICC)
1972-1982	Executive Committee, International Union Against Cancer (UICC)
1972–	Member, Cancer Advisory Panel, World Health Organization
1974-1975	Visiting Professor, Swiss Institute for Cancer Research, Lausanne
1974	W.H.O Travelling Fellow
1975-1987	Member, Board of Governors, Ian Clunies Ross Memorial Foundation
1976-1977	President, International Society for Experimental Hematology
1976-1979	Chairman, Scientific Committee, Australian Cancer Society
1980-1981	Visiting Scientist, Radiobiological Institute. TNO, Rijswijk, The Netherlands
1981	Royal Society Guest Research Fellow, Department of Pathology, Cambridge University
1983	Butland Visiting Professor, University of Auckland
1986	Smith Visiting Professor, Memorial Hospital - Sloan Kettering Institute, New York
1987-1990	Research Committee, Cancer Institute Board, Melbourne
1988-1991	Sectional Committee 7, Australian Academy of Science
1994–	Advisory Committee, Ludwig Institute for Cancer Research, Melbourne Branch
1996-2001	Chairman, Internal Promotion Committee, The Walter and Eliza Hall Institute of Medical Research
2000-2001	Victorian State Council for Knowledge, Innovation, Science and Engineering

DISTINGUISHED LECTURESHIPS

1973	Guest Lecturer, Leukaemia Research Society, London
1974	Stohlman Memorial Lecturer, American Society of Hematology

- 1982 Memorial Oration. International Union Against Cancer, Seattle
- 1983 The Dan H. Campbell Memorial Lecture, Asilomar, California
- 1984 Wistar Lecturer, Wistar Institute, Philadelphia
- 1986 ICRF Lectures, Imperial Cancer Research Fund, London
- 1986 Phizer Lecturer, Clinical Research Institute of Montreal
- 1987 Dunham Lecturer, Harvard Medical School
- 1990 Halford Oration. University of Melbourne
- 1990 Hilldale Lecturer, University of Wisconsin, Madison
- 1990 Ham-Wasserman Lecturer, American Society of Hematology
- 1990 Rabbi Shai Shacknai Lecturer, Hadassah Medical School, Jerusalem
- 1990 Mildred Scheel Memorial Oration. International Union Against Cancer, Hamburg
- 1990 Bertner Award Lecturer, MD Anderson Hospital, Houston
- 1990 Florey Lecturer, Royal Society London. Oxford, Cardiff, Glasgow, Manchester, Cambridge, London
- 1992 Sir Thomas Greenaway Memorial Lecture, Royal Australasian College of Physicians
- 1993 Burnet Lecture, Australian Academy of Science
- 1993 Horwitz Prize lecture – Columbia University, New York
- 1993 Paul Werlhof Lecture, University of Hannover
- 1994 Caledonian Research Foundation Lectures, Edinburgh, Glasgow
- 1994 Pehr Edman Memorial Lecture, Melbourne
- 1995 Lilly Lecture, International Conference on Calcium Regulating Hormones, Melbourne
- 1995 Ernst Neumann Prize Lecture, International Society for Experimental Hematology, Düsseldorf
- 1995 Fisher Lecture, Tulane University, New Orleans
- 1995 Waddell Lecturer, Arizona Cancer Center
- 1997 Friend Memorial Lecture, International Association for Comparative Leukemia Research
- 1997 Virchow Lecture, University of Wurzburg
- 1999 Metcalf Lecture, International Society for Experimental Hematology, Monte Carlo
- 2002 Plenary Lecture, International Cytokine Congress, Turin, Italy

- 2003 Plenary Lecture, 9th Greek/Australian International Legal and Medical Conference, Rhodes
- 2003 International Stem Cell Conference, Singapore
- 2004 Guest Speaker, University of Tokyo, Tokyo
- 2004 Speaker, Stem Cells – from Biology to Therapy. Hanson Symposium, Adelaide
- 2004 Special Lecture, E. Donnal Thomas Lecture at American Society of Hematology Annual Scientific Meeting, San Diego, CA, USA
- 2005 Guest Speaker, Salk Institute Prize Lecture, San Diego, CA, USA
- 2008 Speaker, Pioneer Lecture, 50th Anniversary Meeting American Society of Hematology, San Francisco, CA, USA.
- 2008 Speaker, Prize Lecture. International Medical Research Meeting, Dubai, UAE.

HONOURS & RESEARCH PRIZES

- 1964 Syme Prize for Research, University of Melbourne
- 1966 Britannica Australia Award for Medicine
- 1968 A.M.A. - B.M.A. Prize for Medical Research
- 1968 Mollison Prize of A.M.A. for research on Pathology
- 1974 Royal Society of Victoria Research Medal
- 1976 Officer, Order of Australia (AO)
- 1977 Eric Susman Prize. Royal Australasian College of Physicians
- 1980 Gold Medal - Australian Cancer Society
- 1986 James Cook Medal, Royal Society of NSW
- 1986 Wellcome Prize, Royal Society, London
- 1987 Bristol-Myers Award for Distinguished Achievement in Cancer Research (USA)
- 1988 Armand Hammer Prize for Cancer Research (USA)
- 1988 Robert Koch Stiftung eV Prize (Germany)
- 1989 Giovanni Lorenzini Prize for Basic Medical Research (USA/Italy)
- 1989 Sloan Prize. General Motors Cancer Research Foundation (USA)
- 1990 Bertner Award for Cancer Research. MD Anderson Hospital (USA)
- 1990 Rabbi Shai Shacknai Prize, University of Jerusalem
- 1991 The Clunies Ross National Science and Technology Award
- 1993 Companion, Order of Australia (AC)
- 1993 The Albert Lasker Clinical Medical Research Award (USA)
- 1993 Burnet Medal, Australian Academy of Science
- 1993 Neil Hamilton Fairley Medal, Royal College of Physicians/Royal Australasian College of Physicians
- 1993 Louisa Gross Horwitz Prize, Columbia University (USA)
- 1993 Kantor Family Prize for Cancer Research Excellence (USA)
- 1994 Jessie Stevenson Kovalenko Medal, US National Academy of Sciences
- 1994 Caledonian Research Foundation Prize (Scotland)

1994	Gairdner Foundation International Award, Canada
1994	Torch of Learning Award. Friends of the Hebrew University of Jerusalem
1995	Ernst Neumann Award. International Society for Experimental Hematology
1995	Royal Medal, Royal Society, London
1996	Amgen Australia Prize
1996	The Warren Alpert Foundation Prize, Harvard Medical School
1999	Chiron International Award, National Academy of Medicine, Italy
2000	The Victoria Prize, Victoria, Australia
2001	Prime Minister's Prize for Science
2002	President's Medal, Australia and New Zealand Society for Cell and Developmental Biology
2003	Centenary Medal, Australia
2004	Days of Molecular Medicine Foundation Mentorship Award
2004	Donnall Thomas Prize, American Society of Hematology (US)
2005	Inaugural Salk Institute Medal for Research Excellence (US)
2006	Lifetime Achievement Award, Faculty of Medicine, Nursing and Health Sciences, Monash University, Australia.
2007	Lifetime Achievement Award, American Association for Cancer Research (US).
2008	Laureate Scientist. The Walter and Eliza Hall Institute of Medical Research, Australia.
2008	Grand Hamdan International Award (UAE), Dubai.
2013	Foundation Fellow, American Association for Cancer Research Academy.
2014	Royal Melbourne Hospital Research Hall of Fame, Melbourne.

MEMBER OF EDITORIAL BOARDS

Leukemia

International Journal of Hematology

Stem Cells

Cell Cycle

PUBLICATIONS

1955

1. METCALF, D. The production of vaccinia haemagglutinin by the chorioallantoic membrane of embryonated eggs. *Aust.J.exp.Biol.* 33: 45-52, 1955.
2. METCALF, D. Pseudoneoplastic non-specific proliferative lesions of the Chorioallantois of the chick embryo. *Brit.J.Cancer* 9: 222-228, 1955.
3. METCALF, D. The aetiological significance of differing patterns in the age incidence of cancer mortality. *Med.J.Aust.* 1: 874-878, 1955.

1956

4. METCALF, D. A lymphocytosis stimulating factor in the plasma of chronic lymphatic leukaemic patients. *Brit.J.Cancer* 10: 169-178, 1956.
5. METCALF, D. Further studies on the plasma lymphocytosis stimulating factor in chronic lymphatic leukaemia and some other disease states. *Brit.J.Cancer* 10: 431-441, 1956.
6. METCALF, D. The thymic origin of the plasma lymphocytosis stimulating factor. *Brit.J.Cancer* 10: 442-457, 1956.

1957

7. METCALF, D. and Buffett, R.F. Lymphocytosis response in mice and its relation to thymus and adrenal. *Proc.Soc.Exp.Biol.Med.* 95: 576-579, 1957.

1958

8. Furth, J. and METCALF, D. An appraisal of tumor-virus problems. *J.Chron.Dis.* 8: 88-112, 1958.
9. METCALF, D. The thymic lymphocytosis-stimulating factor. *Annals N.Y.Acad.Sci.* 73: 113-119, 1958.

1959

10. METCALF, D. Long-term effects of whole-body irradiation on lymphocyte homeostasis in the mouse. *Radiation Res.* 10: 313-322, 1959.
11. METCALF, D. Effect of whole-body irradiation on thymus function and lymphocyte homeostasis. In: *Radiation Biology*, Ed. J.H. Martin. Butterworths, London, pp.26-29, 1959.
12. METCALF, D. The thymic lymphocytosis stimulating factor and its relation to lymphatic leukemia. In: *Proceedings Third Canad. Cancer Conference*, Ed. R.W. Begg. Academic Press, N.Y. pp.351-366, 1959.
13. METCALF, D. and Buffett, R.F. Effects of whole-body irradiation on thymus function in relation to leukemogenesis. *Acta Union Contra Cancer.* Pp.652- 653, 1959.
14. METCALF, D., Furth, J. and Buffett, R.F. Pathogenesis of mouse leukemia caused by Friend virus. *Cancer Res.* 19: 52-58, 1959.

1960

15. METCALF, D. Adrenal cortical function in high- and low-leukemia strains of mice. *Cancer Res.* 20: 1347-1353, 1960.
16. METCALF, D. The effect of thymectomy on the lymphoid tissues of the mouse. *Brit.J.Haemat.* 6: 324-333, 1960.

1961

17. Nakamura, K. and METCALF, D. Quantitative cytological studies on thymic lymphoid cells in normal, preleukaemic and leukaemic mice. *Brit.J.Cancer* 15: 306-315, 1961.
18. METCALF, D. and Nakamura, K. Transplantation bioassay of thymuses from preleukaemic AKR mice for the presence of leukaemic cells. *Brit.J.Cancer* 15: 316-321, 1961.
19. METCALF, D., Sparrow, N., Nakamura, K. and Ishidate, M. The behaviour of thymus grafts in high and low leukaemia strains of mice. *Aust.J.exp.Biol.* 39: 441-454, 1961.
20. METCALF, D. Reticular tumours in mice subjected to prolonged antigenic stimulation. *Brit.J.Cancer* 15: 769-779, 1961.
21. METCALF, D. and Ishidate, M. Periodic acid-Schiff positive giant cells in the mouse thymus cortex. *Nature* 191: 305, 1961.

1962

22. METCALF, D. Leukaemogenesis in AKR mice. In: *CIBA Symposium on Tumour Viruses of Murine Origin*. Ed. G.E.W. Wolstenholme and M.O'Connor. Churchill, London, pp.233-253, 1962.
23. METCALF, D. A thymus responsive phase in leukaemogenesis in AKR mice. *Nature* 195: 88-89, 1962.
24. METCALF, D. The aetiology and pathogenesis of leukaemia. *Aust. Annals of Med.* 11: 211-218, 1962.
25. METCALF, D. and Ishidate, M. Jr. PAS-positive reticulum cells in the thymus cortex of high- and low-leukaemia strains of mice. *Aust.J.exp.Biol.* 40: 57-71, 1962.
26. METCALF, D. and Nakamura, K. Lymphocyte production and differentiation in the preleukaemic mouse thymus. In: *The Morphological Precursors of Cancer*, Ed. L. Severi. Perugia University Press, pp.269-278, 1962.
27. METCALF, D., Sparrow, N. and Wyllie, R. Alkaline phosphatase activity in mouse lymphoma tissue. *Aust.J.Exp.Biol.* 40: 215-224, 1962.

1963

28. Ishidate, M. Jr. and METCALF, D. The pattern of lymphopoiesis in the mouse thymus after cortisone administration of adrenalectomy. *Aust.J.Exp.Biol.* 41: 637-649, 1963.
29. METCALF, D. Induction of reticular tumours in mice by repeated antigenic stimulation. *Acta Union Internat. Contre Le Cancer* 19: 657-659, 1963.
30. METCALF, D. Spleen graft growth in splenectomised mice. *Aust.J.Exp.Biol.* 41: 51-60, 1963.
31. METCALF, D. The autonomous behaviour of normal thymus grafts. *Aust.J.Exp.Biol.* 41: 437-448, 1963.
32. METCALF, D. The fate of parental preleukemic cells in leukemia-susceptible and leukemia-resistant F₁ hybrid mice. *Cancer Res.* 23: 1774-1781, 1963.
33. Wakonig-Vaartaja, R. and METCALF, D. The origin of mitotic cells in normal thymus grafts. *Lancet* 1: 1302-1304, 1963.
34. Wiadrowski, M. and METCALF, D. Erythrocyte osmotic fragility in AKR mice with lymphoid leukaemia. *Nature* 198: 1103-1104, 1963.

1964

35. METCALF D. The thymus and lymphopoiesis. In: *The Thymus in Immunobiology*. Eds. R.A. Good and A.E. Gabrielsen. Harper and Row, N.Y. pp.150-182, 1964.
36. METCALF, D. Restricted growth capacity of multiple spleen grafts. *Transplant* 2: 387-392, 1964.
37. METCALF, D. Effect of pregnancy and testosterone on thymus grafts. *Transplant* 2: 541-543, 1964.
38. METCALF D. Functional interactions between the thymus and other organs. In: *The Thymus*, ed. V. Defendi and D. Metcalf. *Wistar Inst. Symp. Monogr. Vol.2*, pp.53- 74, 1964.
39. METCALF, D. Summary of the Conference. In: *The Thymus*, ed. V. Defendi and D. Metcalf. *Wistar Inst. Symp. Monogr. Vol. 2*, pp.137-139, 1964.
40. METCALF, D. Thymus grafts and leukemogenesis. *Cancer Res.* 24: 1952-1957, 1964.
41. METCALF, D. and Wakonig-Vaartaja, R. Stem cell replacement in normal thymus grafts. *Proc.Soc.Exp.Biol.* 115: 731-735, 1964.
42. METCALF, D. and Wakonig-Vaartaja, R. Host-cell repopulation of normal spleen grafts. *Lancet* 1: 1012-1014, 1964.

1965

43. METCALF, D. The thymus and its role in immunity and carcinogenesis. *Med.J.Aust.* 1: 225-230, 1965.
44. METCALF, D. Spleen graft mast cell population changes following splenectomy of the host. *Aust J.exp.Biol.med. Sci.* 43: 533-546, 1965.
45. METCALF, D. and Bradley, R. The growth and erythropoietic activity of spleen grafts placed under the kidney capsule. *Aust.J.exp.Biol.med.Sci.* 43: 229-236, 1965.
46. METCALF, D., Nakamura, K. and Wiadrowski, M. Patterns of cellular differentiation in spontaneous and transplanted lymphomata in mice. *Aust.J.exp.Biol.med.Sci.* 43: 413-420, 1965.
47. METCALF, D., Wakonig-Vaartaja, R. and Bradley, T.R. The growth and repopulation of thymus grafts placed under the kidney capsule. *Aust.J.exp.Biol.med.Sci.* 43: 17-30, 1965.
48. METCALF, D. Mouse haemolytic anaemia. *Modern Medicine of Australia*, pp.45-51, 1965.
49. METCALF, D. Delayed effect of thymectomy in adult life on immunological competence. *Nature* 208: 1336, 1965.
50. METCALF, D. Multiple thymus grafts in aged mice. *Nature* 208: 87-88, 1965.

1966

51. METCALF, D., Wiadrowski, M. and Bradley, R. Analysis of the role of the thymus in leukemia development with the use of thymectomy and thymus grafts. In: "Murine Leukemia". N.C.I. Monograph. 22: 571-586, 1966.
52. Matsuyama, M., Wiadrowski, M.N. and METCALF, D. Autoradiographic analysis of lymphopoiesis and lymphocyte migration in mice bearing multiple thymus grafts. *J.Exp.Med.* 123: 559-576, 1966.
53. METCALF, D. and Wiadrowski, M. Autoradiographic analysis of lymphocyte proliferation in the thymus and in thymic lymphoma tissue. *Cancer Res.* 26: 483- 491, 1966.
54. METCALF, D. The nature and regulation of lymphopoiesis in the normal and neoplastic thymus. In: "CIBA Symposium on The Thymus", eds. G.E.W. Wolstenholme and R. Porter. Churchill, London, pp.242-263, 1966.
55. Book No. 1. METCALF, D. "The Thymus: Its Role in Immune Response, Leukaemia Development and Carcinogenesis". Springer-Verlag, Heidelberg, 1966.
56. METCALF, D. and Brumby, M. The role of the thymus in the ontogeny of the immune system. *J.Cell.Physiol.* 67: 149-168, 1966.
57. Bradley, T.R. and METCALF, D. The growth of bone marrow cells in vitro. *Aust.J.Exp.Biol.Med.Sci.* 44: 287-300, 1966.
58. METCALF, D. Histologic and transplantation studies on preleukaemic thymus of the AKR mouse. *J.Nat.Cancer Instit.* 37: 425-442, 1966.

1967

59. METCALF, D. Lymphocyte kinetics in the thymus. In: "The Lymphocyte in Immunology and Haemopoiesis" Arnold, London. Ed. J.M. Yoffey, p.333, 1967.
60. Bradley, T.R., METCALF, D. and Robinson, W. Stimulation by leukaemic sera of colony formation in solid agar cultures by proliferation of mouse bone marrow cells. *Nature* 213: 926-927, 1967.
61. Bradley, T.R., Robinson, W. and METCALF, D. Colony production in vitro by normal polycythaemic and anaemic bone marrow. *Nature* 214: 511, 1967.
62. METCALF, D. and Brumby, M. Coulter counter analysis of lymphoma differentiation patterns in AKR mice with lymphoid leukaemia. *Int.J.Cancer* 2: 37-42, 1967.
63. METCALF, D., Ishidate, M. and Brumby, M. The proliferation and behavior of phagocytic cells in mouse lymphoma tissue. *J.Nat.Cancer Instit.* 38: 527- 539, 1967.
64. METCALF, D. and Moulds, R. Immune responses in preleukaemic and leukaemic AKR mice. *Int.J.Cancer* 2: 53-58, 1967.
65. METCALF, D., Moulds, R. and Pike, B. Influence of the spleen and thymus on immune responses in ageing mice. *Clin.exp.Immunol.* 2: 109-120, 1967.
66. Robinson, W., METCALF, D. and Bradley, T.R. Stimulation by normal and leukemic mouse sera of colony formation in vitro by mouse bone marrow cells. *J.Cell.Physiol.* 69: 83-92, 1967.
67. METCALF, D., Bradley, T.R. and Robinson, W. Analysis of colonies developing in vitro from mouse bone marrow cells stimulated by kidney feeder layers or leukemic serum. *J.Cell.Physiol.* 69: 93-108, 1967.
68. Brumby, M. and METCALF, D. Migration of cells to the thymus demonstrated by parabiosis. *Proc.Soc.Exp.Biol.Med.* 124: 99-103, 1967.
69. Robinson, W., Bradley, T.R. and METCALF, D. Effect of whole-body irradiation on colony production by bone marrow cells in vitro. *Proc.Soc.Exp.Biol.Med.* 125: 388-391, 1967.
70. METCALF, D. and Foster, R. Bone marrow colony-stimulating activity of serum from mice with viral-induced leukemia. *J.Nat.Cancer Inst.* 39: 1235-1245, 1967.
71. METCALF, D., Foster, R. and Pollard, M. Colony-stimulating activity of serum from germfree normal and leukemic mice. *J.Cell.Physiol.* 70: 131-132, 1967.
72. METCALF, D. and Foster, R. Jr. Behavior on transfer of serum stimulated bone marrow colonies. *Proc.Soc.Exp.Biol.Med.* 126: 758-762, 1967.
73. METCALF, D. and Foster, R. Hemopoietic cell colony proliferation stimulated by leukemic serum. *Proc.Amer.Assoc. Cancer Res.* 8: 45, 1967.
74. METCALF, D. Relation of the thymus to the formation of immunologically reactive cells. *Cold Spring Harbor Symposia on Quantitative Biology.* 32: 583-590, 1967.
75. METCALF, D. The kinetics of lymphocyte production in the normal and neoplastic thymus. *Haematol. Lat.* 10: 89-93, 1967.

1968

76. Foster, R., METCALF, D., Robinson, W. and Bradley, T.R. Bone marrow colony stimulating activity in human sera. Results of two independent surveys in Buffalo and Melbourne. *Brit.J.Haemat.* 15: 147-159, 1968.

77. Bennett, M., Cudkowicz, G., Foster, R.S. Jr. and METCALF, D. Hemopoietic progenitor cells of W anemic mice studied in vivo and in vitro. *J.Cell.Physiol.* 71: 211-226, 1968.
78. METCALF, D. The role of the thymus in autoimmunity. In "Proceedings XIth Congress of the International Society of Blood Transfusion," Sydney 1966. Ed. L.P. Hollander, Karger-Basel, New York, pp.446-453, 1968.
79. METCALF, D. Potentiation of bone marrow colony growth in vitro by the addition of lymphoid or bone marrow cells. *J.Cell.Physiol.* 72: 9-19, 1968.
80. METCALF, D. and Wahren, B. Bone marrow colony stimulating activity of sera in infectious mononucleosis. *Brit.Med.J.* 3: 99-101, 1968.
81. Foster, R. Jr., METCALF, D. and Kirchmyer, R. Induction of bone marrow colony-stimulating activity by a filterable agent in leukemic and normal mouse serum. *J.Exp.Med.* 127: 853-866, 1968.

1969

82. METCALF, D. Agar technique for the cultivation in vitro of bone marrow colonies. In: "Bone Marrow Conservation, Culture, and Transplantation." International Atomic Energy Agency, pp.3-12, Vienna, 1969.
83. Bradley, T.R., METCALF, D., Sumner, M. and Stanley, R. Characteristics of in vitro colony formation by cells from haemopoietic tissues. In: "Hemic Cells In Vitro." *In Vitro* 4: Ed. P. Farnes, Williams and Wilkins, Baltimore, pp. 22-35, 1969.
84. Robinson, W.A., Stanley, E.R. and METCALF, D. Stimulation of bone marrow colony growth in vitro by human urine. *Blood* 33: 396-399, 1969.
85. METCALF, D. and Foster, R.S. In vitro colony forming cells in the bone marrow of germfree mice. In: *Germfree Biology, Experimental and Clinical Aspects*". Plenum Press, N.Y., p.383, 1969.
86. METCALF, D. The effect of bleeding on the number of in vitro colony forming cells in the bone marrow. *Brit.J.Haemat.* 16: 397-407, 1969.
87. METCALF, D. and Stanley, E.R. Quantitative studies on the stimulation of mouse bone marrow colony growth in vitro by normal human urine. *Aust.J.exp.Biol.med.Sci.* 47: 453-466, 1969.
88. Stanley, E.R. and METCALF, D. Partial purification and some properties of the factor in normal and leukaemic human urine stimulating mouse bone marrow colony growth in vitro. *Aust.J.exp.Biol.med.Sci.* 47: 467-483, 1969.
89. METCALF, D. Studies on colony formation in vitro by mouse bone marrow cells. I. Continuous cluster formation and relation of clusters to colonies. *J.Cell.Physiol.* 74: 323-332, 1969.
90. METCALF, D. Cortisone action on serum colony-stimulating factor and bone marrow in vitro colony-forming cells. *Proc.Soc.Exptl.Biol.Med.* 132: 391- 394, 1969.
91. Warner, N.L., Moore, M.A.S., and METCALF, D. A transplantable myelomonocytic leukemia in BALB/c mice: Cytology, karyotype and muramidase content. *J.Natl.Cancer Inst.* 43: 963-982, 1969.
92. METCALF, D., Moore, M.A.S. and Warner, N.L. Colony formation in vitro by myelomonocytic leukemic cells. *J.Nat.Cancer Inst.* 43: 983-1001, 1969.

1970

93. METCALF, D. and Wahren, B. Tolerance breakdown and leukaemogenesis in AKR mice. In "Immunity and Tolerance in Oncogenesis", Ed. L. Severi. in Perugia University Press, pp.959-974, 1970.
94. METCALF, D. and Bradley, T.R. Factors regulating in vitro colony formation by hematopoietic cells. In: "Regulation of Hematopoiesis". Ed. A.S. Gordon, Appleton-Century-Crofts, N.Y. pp.187-215, 1970.
95. METCALF, D. Regulation of lymphopoiesis. In: "Regulation of Hematopoiesis", Ed. A.S. Gordon, Appleton-Century-Crofts, N.Y. pp.1383-1419, 1970.
96. METCALF, D. Immunology Today. Ann.Gen.Pract. 15: 74-77, 1970.
97. Moore, M.A.S. and METCALF, D. Ontogeny of the haemopoietic system: Yolk sac origin of in vivo and in vitro colony forming cells in the developing mouse embryo. Brit.J.Haemat. 18, 279-296, 1970.
98. METCALF, D. and Moore, M.A.S. Factors modifying stem cell proliferation of myelomonocytic leukemic cells in vitro and in vivo. J.Nat.Cancer Inst. 44: 801-808, 1970.
99. METCALF, D. Studies on colony formation in vitro by mouse bone marrow cells. II. Action of colony stimulating factor. J.Cell.Physiol. 76: 89-99, 1970.
100. METCALF, D., Stanley, E.R. and Gunz, F.W. Bone marrow colony stimulating factor levels in serum and urine in acute leukemia. In: Proceedings Xth International Cancer Congress, Houston. p.796, 1970.
101. Wahren B. and METCALF, D. In vitro cytotoxicity of lymphoid cells derived from two high leukemic mouse strains against syngeneic embryo target cells. In: Proceedings Xth International Cancer Congress, Houston. p.196, 1970.
102. Chan, S.H. and METCALF, D. Inhibition of bone marrow colony formation by normal and leukaemic human serum. Nature 227: 845-846, 1970.
103. Wahren, B. and METCALF, D. Cytotoxicity in vitro of preleukaemic lymphoid cells on syngeneic monolayers of embryo or thymus cells. Clin.Exp.Immunol. 7: 373-386, 1970.

1971

104. Chan, S.H., METCALF, D. and Stanley, E.R. Stimulation and inhibition by normal human serum of colony formation in vitro by bone marrow cells. *Brit.J.Haemat.* 20: 329-341, 1971.
105. Hibberd, A.D. and METCALF, D. Proliferation of macrophage and granulocyte precursors in response to primary and transplanted tumours. *Israel J.Med.Sci.* 7: 202-210, 1971.
106. Foster, R.S. Jr., METCALF, D. and Cortner, J. Bone marrow colony-stimulating activity in sera of children with acute leukemia. A sequential analysis. *Cancer* 27: 881-886, 1971.
107. METCALF, D. and Stanley, E.R. Serum half-life in mice of colony stimulating factor prepared from human urine. *Brit.J.Haemat.* 20: 549-556, 1971.
108. METCALF, D. Antigen-induced proliferation in vitro of bone marrow precursors of granulocytes and macrophages. *Immunology* 20: 727-738, 1971.
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