

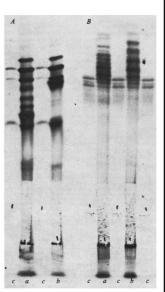
Nature Vol. 256 August 7 1975

Continuous cultures of fused cells secreting antibody of predefined specificity

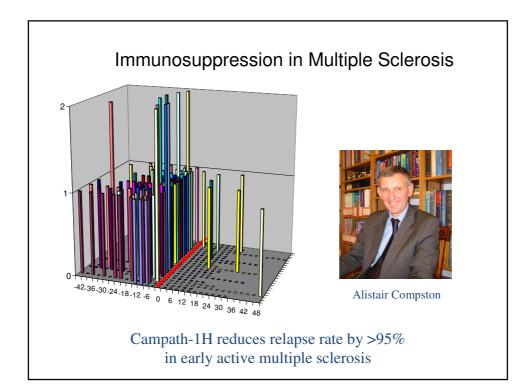
THE manufacture of predefined specific antibodies by means of permanent tissue culture cell lines is of general interest. There are at present a considerable number of permanent cultures of myeloma cells^{1,2} and screening procedures have been used to reveal antibody activity in some of them. This, however, is not a satisfactory source of monoclonal antibodies of predefined specificity

The cells used in this study are all of BALB/c origin and the hybrid clones can be injected into BALB/c mice to produce solid tumours and serum having anti-SRBC activity. It is possible to hybridise antibody-producing cells from different origins⁴⁻³. Such cells can be grown *in vitro* in massive cultures to provide specific antibody. Such cultures could be valuable for medical and industrial use.

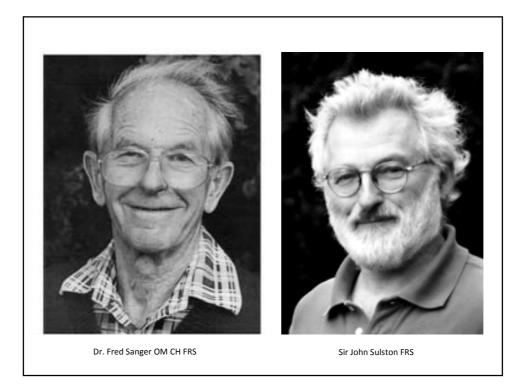
MRC Laboratory of Molecular Biology, Hills Road, Cambridge CB2 2QH, UK

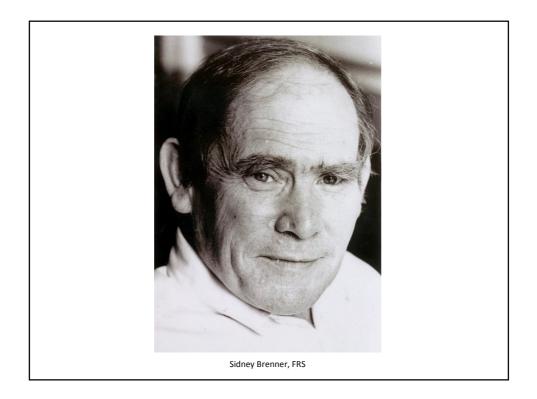


 G. KÖHLER
Fig. 3 Autoradiograph of labelled component SRDC specific hybrid lines. Fractionation befor reduction was by IEF. pH gradient was 5.0 fb in the presence of 6 M urea. Other conditions natants from: a. hybrid clone Sp-1/72; b, hyb

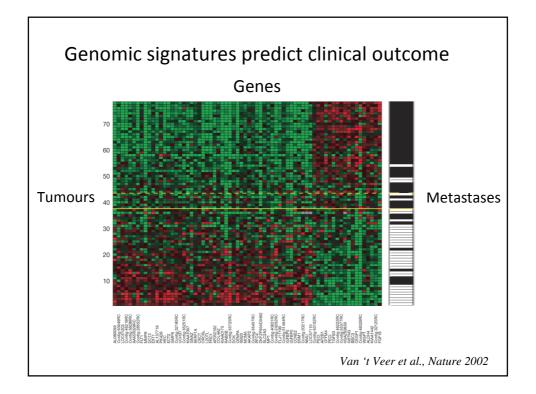


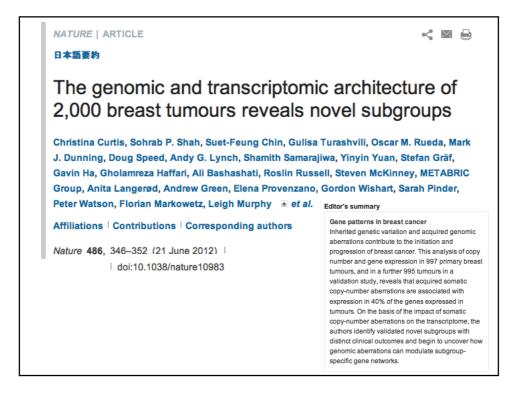


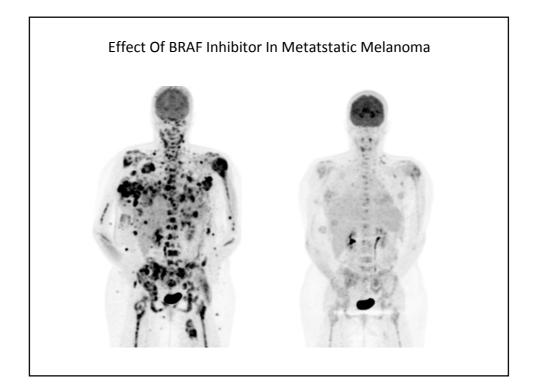


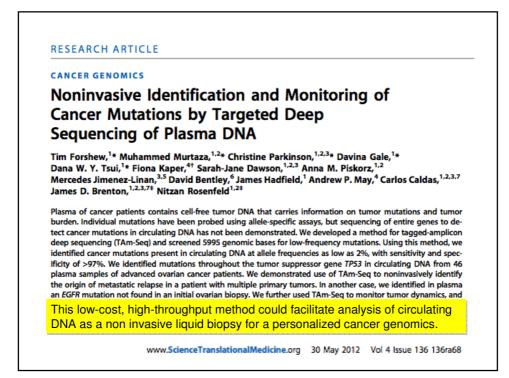


The database will become the central tool for basic and applied research in the medical sciences. There are many diseases in which the interactions of several genes and various environmental factors can be discerned, but where the precise nature of the genes and would be a major step towards understanding the physiological basis of susceptibility It would enable the development by molecular genetic engineering of animal models of human disease and should provide hitherto unavailable methods of testing pharmaceutical and other forms of treatment. This would apply to major causes of illness such as cardiovascular disease, cancer, psychiatric disease and arthritis. Human the first function of the data and you was frequencing of the human genome is a major challenge requiring coordinated national and international efforts?) The task will require advances in sequencing technology and data analysis sease b The he dertification geres and mapping 4. verteng coordinated national and international efforts?) The task will require advances in sequencing technology and data analysis by advanced computing techniques. The UK is in a strong position in basic molecular biology, in computing, and in having well established groups in clinical genetics. However, advances and tout can egy proceed now Smalle Adam "The identification of human genes and log advarces their mapping can proceed now and "Meredicle requires only relatively smaller time-scale. technological advances and an intermediate 5. time-scale".









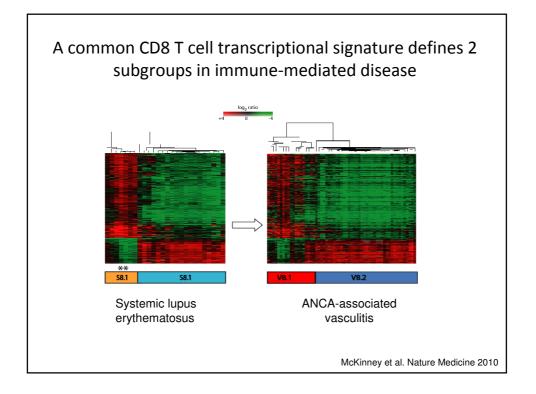


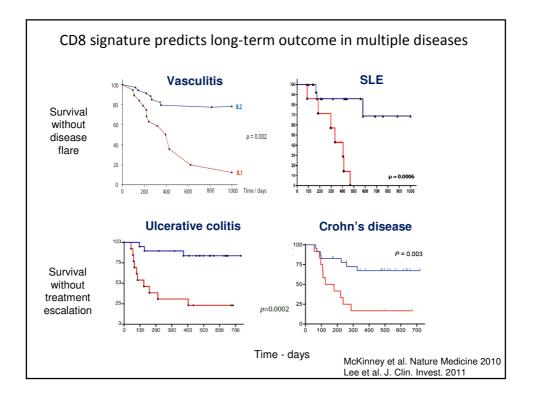
Complement Factor H Polymorphism in Age-Related Macular Degeneration

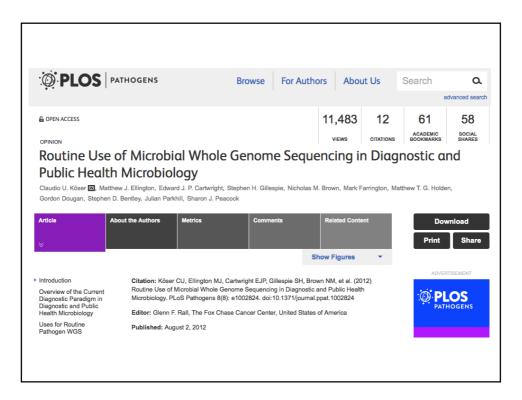
Robert J. Klein¹, Caroline Zeiss^{2*}, Emily Y. Chew,^{3*} et al.

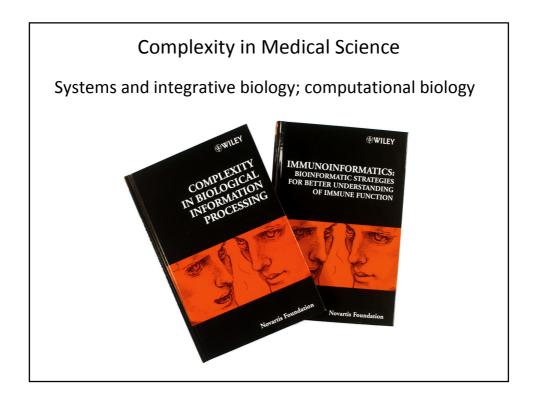
Age-related macular degeneration (AMD) is a major cause of blindness in the elderly. We report a genome-wide screen of 96 cases and 50 controls for polymorphisms associated with AMD. Among 116,204 single-nucleotide polymorphisms genotyped, an intronic and common variant in the complement factor H gene (CFH) is strongly associated with AMD (nominal P value <10⁻⁷). In individuals homozygous for the risk allele, the likelihood of AMD is increased by a factor of 7.4 (95% confidence interval 2.9 to 19)...

Science 2005 Vol 308, p385-389

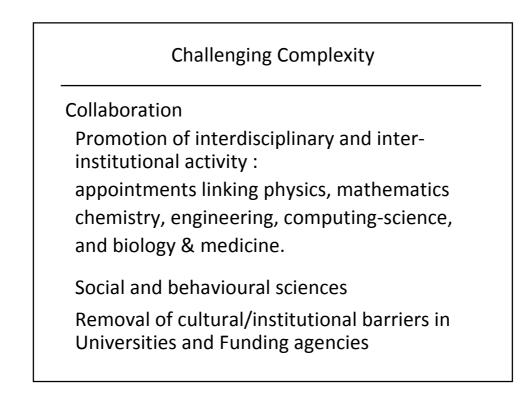












The Future	
Human biology	
Experimental Medicine	
Population Sciences including 'omics	
Electronic Health Records	
Academic – Health System – Industrial collaboration	



London, April 1971

Introduction

by

Half a Century of Medical Research

Sir Harold Himsworth, KCB, MD, FRCP, FRS Medical Research Council late Secretary and Deputy Chairman, Medical Research Council rigins and Policy of Volume One: Urigins and Policy of the Medical Research Council (UK)

...The idea that it is in the best interests of a country that research (as distinct from development) should be established independently of political interest or administrative commitment is not one that would normally occur to those concerned with machinery of government, even though it is but the translation into the scientific sphere of the timehonoured caution that no man should be judge of his own case.

That a committee including men as able as Haldane and Morant, in consultation with so far-seeing a Minister as Addison, could conceive such a scheme may occasion no surprise...

