

List of Medical Research Projects in Papua New Guinea

Approved or Noted

By the Medical Research Advisory Committee in 1998

An investigation of the molecular pathology and clinical heterogeneity of the interactions of haemoglobin E and β thalassaemia, and the relationship of haemoglobin E to malaria, in Asia

Prof. David J. Weatherall, Dr Timothy E.A. Peto, Dr John M. Old and Dr Michael P. Alpers (University of Oxford, Institute of Molecular Medicine, John Radcliffe Hospital, Headington, Oxford OX3 9DS, England, UK)

Human immune resistance to malaria in Papua New Guinea

Prof. Sandra P. Chang, Dr Fadwa Al-Yaman and Dr Michael Alpers (University of Hawaii at Manoa, Department of Tropical Medicine and Medical Microbiology, John A. Burns School of Medicine, 3675 Kilauea Avenue, Honolulu, HI 96816, USA)

Strain-specific immunity to *Plasmodium vivax* in humans

Dr Christopher L. King, Prof. James W. Kazura, Dr John Barnwell and Dr Michael P. Alpers (Division of Geographic Medicine, Department of Medicine, Case Western Reserve University School of Medicine, 10900 Euclid Avenue, Cleveland, Ohio 44106-4983, USA)

Operation Anopheles 1998: an anopheline mosquito survey of the Central, Northern and Milne Bay Provinces of Papua New Guinea

Major R.D. Cooper (Australian Army Malaria Institute, Gallipoli Barracks, Milpo, Enoggera, Qld 4052, Australia)

Study to popularise and evaluate the use of treated bednets through community schools

Dr K.D.P. Jayatilaka, Mr Julius Kundi and Mr Simon Yala (Malaria Surveillance and Control Unit (MSCU), Department of Health, PO Box 778, Goroka, EHP 441)

Relative efficacy of single annual doses of albendazole, diethylcarbamazine and ivermectin in lowering microfilaremia and

antigenemia in *W. bancrofti* infection in Papua New Guinea

Prof. James W. Kazura and Dr Moses J. Bockarie (Department of Medicine and International Health, Case Western Reserve University School of Medicine, 10900 Euclid Avenue, Cleveland, Ohio 44106-7015, USA)

Population-specific disease susceptibility in East New Britain Province, Eastern Highlands Province and New Ireland Province

Prof. Jonathan Friedlaender, Dr Charles S. Mgone, Mr George Koki, Dr D.A. Merriwether, Dr D. Stoner and Dr D. Hrdy (Temple University, Department of Anthropology, 115 West Berks Street, Philadelphia, PA 19122, USA)

National surveillance of antimicrobial susceptibility of *S. pneumoniae*, *H. influenzae* and *S. aureus*

Mr Tony Lupiwa, Ms Audrey Michael, Dr Deborah Lehmann, Dr Diro Babona, Prof. J. Igo, Dr A. Rongap, Dr P. Patel, Dr G. Ulolo, Dr R. Tabun and Dr Michael P. Alpers (Papua New Guinea Institute of Medical Research, PO Box 60, Goroka, EHP 441)

HIV and other sexually transmitted infections in sex workers in Port Moresby and Lae

Dr Megan Passey, Mr Joseph Anang, Mr Wilfred Peter, Dr Charles S. Mgone, Dr Michael P. Alpers, Dr Diro Babona, Mr Elliot Puiahi and the Institute of Medical Research Transex Peer Education Team (Papua New Guinea Institute of Medical Research, PO Box 60, Goroka, EHP 441)

STD/AIDS teacher's attitudinal project

Mr David Blanchard and Ms Jena Sibille (University Centre, PO Box 1411, Goroka, EHP 441)

A study of HIV/AIDS prevalence among tuberculosis patients and sex workers in the Lae township

Dr Murray Koka, Dr Gibson Pawape, Prof. Sirus Naraqi, Prof. Isi Kevau, Mr Wilfred Peter and Dr Sue Crockett (Angau Memorial Hospital, PO Box 457, Lae, Morobe Province 411)

Human health assessment survey, Middle and Lower Fly, 1998

Dr Stephen Flew (Ok Tedi Mining Ltd, Health Services Department, PO Box 1, Tabubil, Western Province 332)

A program on implementation of *Haemophilus influenzae* type b (Hib PRP-T) vaccine in Eastern Highlands Province

Mr Henol Omenefa, Mr Ben L. Haili and Dr Trevor Duke (Goroka Base Hospital, PO Box 392, Goroka, EHP 441)

A randomised trial of chloramphenicol vs benzylpenicillin and gentamicin in the treatment of severe pneumonia in children at Goroka Base Hospital

Dr Trevor Duke, Dr Joyce Mgone and Prof. Frank Shann (Goroka Base Hospital, PO Box 392, Goroka, EHP 441)

The impact of insecticide-treated mosquito nets on the population structure of *Plasmodium falciparum*

Dr Jeffrey Hii, Dr Moses Bockarie and Dr Michael Alpers (School of Public Health and Tropical Medicine, James Cook University of North Queensland, Townsville, Qld 4811, Australia)

Comparing bednets treated with alphacypermethrin, permethrin, deltamethrin or lambda-cyhalothrin against *Anopheles punctulatus* in Papua New Guinea

Dr Jeffrey Hii (School of Public Health and Tropical Medicine, James Cook University of North Queensland, Townsville, Qld 4811, Australia)

Determining the prevalence of *Wuchereria bancrofti* infection in *Anopheles punctulatus* by polymerase chain reaction screening of pools of mosquitoes from Papua New Guinea

Dr Jeffrey Hii (School of Public Health and Tropical Medicine, James Cook University of North Queensland, Townsville, Qld 4811, Australia)

Sexually transmitted infections among prepubertal children in Goroka

Dr Dale Frank, Mr Gerard Saleu, Dr Joyce M. Mgone, Dr Peter Asuo, Sr Julie Mosinakave, Mr Tony Lupiwa, Ms Audrey Michael, Dr Charles S. Mgone and Dr Michael Alpers (Papua New Guinea Institute of Medical Research, PO Box 60, Goroka, EHP 441)

The pharmacodynamics of Malarone (atovaquone/proguanil) compared with doxycycline for malaria chemoprophylaxis in Melanesian subjects

Dr Frank Torova, Dr Peter Nasveld, Dr Gideon Kendino, Dr Mike Edstein, Major Ben Manoi, Major Bob Cooper and Prof. Karl Rieckmann (Papua New Guinea Defence Force, Murray Barracks, Free Mail Bag, Boroko, NCD 111)

Field in vitro drug resistance and sensitivity testing in areas of Papua New Guinea

Dr Frank Torova, Dr Peter Nasveld, Dr Gideon Kendino, Dr Mike Edstein, Dr Qin Cheng, Dr Nanhua Chen, Major Bob Cooper, Lt Bruce Russell and Prof. Karl Rieckmann (Papua New Guinea Defence Force, Murray Barracks, Free Mail Bag, Boroko, NCD 111)

Exploring causes of unexpected absenteeism occurring among nurses in Port Moresby General Hospital

Ms Susan Haroe, Ms Caroline Dore and Prof. Lesley Barclay (Department of Health, College of Allied Health Sciences, PO Box 1034, Boroko, NCD 111)

Note:

These projects have been examined and cleared by the MRAC but they have not all started, nor is there any guarantee that they all will, since in many cases this still depends on funding. It should be noted that project funds for the MRAC were deleted from the Health Budget in 1997 and 1998.

Information about these projects may be obtained from the investigators or from the Chairperson of the Medical Research Advisory Committee (Division of Research and Monitoring, Department of Health, PO Box 807, Waigani, NCD 131).