

CURRICULUM VITAE

Name: **Stephen James Oppenheimer**
Home Address: 1, Garford Road, Oxford, OX2 6UY, U.K.
Nationality: **British.**
Marital Status: **Married**, Wife: Freda (Malaysian) one daughter: Maylin (22 years);
 one son: David (20 years)

Education:
 1955 - 1960 **Dragon School, Oxford**
 1960 - 1964 **Marlborough College, Wiltshire**
 1964 **Keith Rae Exhibition to Balliol College, Oxford**
 1965 - 1968 **Balliol College, Oxford** Pre-clinical Course, **BA** in Animal Physiology
 1968 - 1971 **London Hospital Medical College** Clinical Course
 Academic and Professional **BA** Physiol., **BM, BCh** (1971) **MA** (1988) **Oxon**
 Qualifications: **ECFMG** (US) (1971)
Membership Royal College of Physicians (UK) (1975)
Diploma Tropical Medicine & Hygiene (Liverpool) (1978)
Specialist Accreditation in Paediatrics by Joint Committee on Higher
 Medical Training of **Royal College of Physicians** (1984)
Fellow Royal College of Physicians (London & Edinburgh)
Doctor of Medicine Thesis (Oxon) (1988):
 "Iron deficiency and susceptibility to Infection: A prospective clinical
 study of the effects of iron deficiency and iron prophylaxis in infants in
 Papua New Guinea"

POSTGRADUATE EXPERIENCE

House Officer Posts 1971 - 1972 (The London Hospital)

Sept 1971-Feb 1972 **House Physician:** Dr. Henson (Neurol) and Dr. Perry (Medicine)
 Mar. 1972-Sept 1972 **House Surgeon:** Surgical Unit (Prof. Ritchie)

Overseas Paediatric Experience:

Sept 1972-June 1973 Mission hospitals: Hong Kong, Thailand, Malaysia, Borneo

PROFESSIONAL, ACADEMIC AND ADMINISTRATIVE EXPERIENCE

Aug 1976-Aug 1978 **Provincial Child Health Specialist:**

Papua New Guinea, (a) Goroka, Eastern Highland
 Province (b) Wewak, East Sepik Province

Sept 1978-Dec 1978 **Diploma of Tropical Medicine & Hygiene**

Course, Liverpool School of Tropical Medicine.

Jan. 1979- Mar. 1983 **Wellcome Tropical Lecturer (Clinical):**

Department of Tropical Paediatrics, Liverpool School of
 Tropical Medicine; and on secondment in Madang,
 Papua New Guinea (field work for DM Thesis).

Oct. 1984-Sept 1987 **Wellcome Lecturer in Tropical Diseases:**

Senior Lecturer and Honorary Consultant:

Department of Paediatrics, University of Oxford

Director: Kenya Medical Research Institute/Wellcome
 Trust Research Centre, Kilifi, Kenya.

Oct. 1987-May 1990 **Associate Professor:**

Department of Paediatrics, Hospital Universiti Sains

- June 1990-July 1994
 Malaysia, Kota Bharu, Malaysia.
Professor and Chairman: Department of Paediatrics
 The Chinese University of Hong Kong
 Prince of Wales Hospital Hong Kong
**Chairman: Board of Studies in Paediatrics & Director of
 Studies in Paediatrics**
Chief of Service
 Department of Paediatrics: Prince of Wales Hospital
- Honorary Appts:
Government Consultant in Paediatrics
 Hong Kong Government: Hospital Authority.
Visiting Professor:
 Dept. of Paediatrics, Jinan Medical School, & Sun Yat
 Sen University of Medical Sciences, Canton, China.
-
- Dec 1994-Dec 1996
**Senior Specialist Paediatrician (and Attending Paediatrician
 to the Royal Family).** RIPAS Hospital. Bandar Seri Begawan,
 Brunei Darussalam.
- Honorary Appts:**
 Oct. 1984-Present
 1998 - Present
 2003 - Present
- Honorary Fellow:** Liverpool School of Tropical Medicine
Member Green College, University of Oxford
Research Associate:
Human Ecology and Evolution Group
 Institute of Human Sciences, University of Oxford
 Pauling Centre, 58 Banbury Road Oxford OX2 6QS
Fellow Royal College of Physicians (London & Edinburgh)
Fellow Royal College of Paediatrics and Child Health
Founding Fellow Hong Kong College of Paediatricians
Member The Hong Kong Paediatric Society
Founding Fellow, Hong Kong Academy of Medicine
Founding Member, Hong Kong Institute of Science
**Council Member: Commonwealth Society for
 Paediatric Gastroenterology and Nutrition**
- Professional and
 Academic Societies:**
- Examiner for Professional Examinations :**
Professional Examinations (to M.B.B.S. & MRCP)
M.B.B.S. Universiti Sains Malaysia 1987-90
M.B.B.S. (3rd Professional Examination) University Kebangsaan Malaysia 1988-89
M.B.Ch.B The Chinese University of Hong Kong 1990-4
 Host Senior Examiner: **Royal College of Physicians** (U.K.) in Hong Kong 1991-4.
 Local Coordinator representing **Hong Kong College of Paediatricians with Royal College of
 Physicians for Conjoint MRCP.**
Chief Examiner (Paediatrics), Hong Kong Medical Council, **Licentiate Examination**
Chief Examiner for Paediatrics: Part I Examination (Multiple-Choice Question Paper on
 Professional Subjects) of **Licentiate Examination** Sub-Committee (June 1992-1994).
Chief Examiner for Paediatrics and Medicine, (Part III, Clinical/Viva: **Licentiate Exam**)
 for 1994
- Examiner for Theses**
 1. **Master of Medicine** (Paediatrics), University Kebangsaan Malaysia 1989

- Dissertation: "Acute Bronchiolitis: Epidemiology, aetiology and predictors of severity"
2. **Ph.D.** Dept of Paediatrics: The Chinese University of Hong Kong 1993 "Energy Intake and Expenditure of Hong Kong Chinese babies from birth to two years in relation to physical growth"(also **supervisor**)
 3. **Ph.D.** The Chinese University of Hong Kong 1992 "Epidemiology and Genetic variation of Rotavirus infections in Hong Kong"
 4. **M.Phil.** Dept. of Paediatrics: The Chinese University of Hong Kong (1993)
"Physiotherapy, biofeedback and breathing exercise in asthmatic children: a preliminary evaluation"(also **supervisor**)
 5. **Ph.D.** Dept. of Paediatrics: The Chinese University of Hong Kong (1993)"The Effect of Calcium Supplementation on Calcium Absorbtion and Bone Mineral Content of Children who have habitually low Calcium intake"
 6. **M.D.** The Chinese University of Hong Kong (1993)"Some Common Factors and Problems Relating to General Anaesthesia in Asians and Europeans"
 7. **Ph.D.** Dept. of Paediatrics: The Chinese University of Hong Kong (1993-1996)
"Malaria and the Thalassaemic Red Cell" (Also **Supervisor**). Passed July 1996.
 8. **M.Phil** Dept. of Paediatrics: The Chinese University of Hong Kong (1993-4) "Carrier rate of Haemophilus influenzae in healthy Chinese and Vietnamese children"

Editorial: Honorary Editor (Editorial Board): Hong Kong Journal of Paediatrics
Guest Editor, March 1992 issue: Hong Kong Journal of Paediatrics
International Advisory Board: Pediatrics International (Blackwells Publishing) 1993-present.

Asia Expert lists: Listed as an **Asia Expert** by the **Asia Society**:
Listed on the current **register of Southeast Asianists** in the UK
(The **British Academy** Committee for Southeast Asian Studies)

Conferences Organised and Chaired:

The 1st Joint Scientific Meeting of the Hong Kong Paediatric Society and the Hong Kong College of Paediatricians. Hong Kong. 11th March 1993

The 2nd Joint Scientific Meeting of the Hong Kong Paediatric Society and The Hong Kong College of Paediatricians. Sheraton Hotel, Hong Kong, 28th May, 1994.

Third Commonwealth Conference on Diarrhoea and Malnutrition Hong Kong November 1994

PUBLICATIONS

Books

Stephen Oppenheimer, *"Eden in the East: the drowned continent of Southeast Asia"*. Weidenfeld & Nicolson London 1998.

Stephen Oppenheimer, *"Out of Eden: the Peopling of the World"*, Constable Robinson, 2003

Duplicate titles/translations:

Stephen Oppenheimer. "Eden al Oriente" Mondadori 1999. Roma, Italy.

Stephen Oppenheimer. "The Real Eve: Modern Man's Journey Out of Africa" Carroll & Graf, New York, July 2003. ISBN: 0786711922

Stephen Oppenheimer. "Out of Africa's Eden: The Peopling of the World" Jonathan Ball. Johannesburg SA. October 2003. ISBN: 1868421732

Stephen Oppenheimer. "Los Senderos del Eden" Critica, Madrid. 2004

Stephen Oppenheimer. "ИЗГНАНИЕ ИЗ ЭДЕМА." 2004

Out of Eden: Japanese translation in press

In preparation for submission this month; publication October 2006:

Stephen Oppenheimer. "British Origins: a genetic detective story" Constable

THESIS

DM Thesis (Oxon) (1988) Title: Iron deficiency and Susceptibility to Infection: A prospective clinical study of the effects of iron deficiency and iron prophylaxis in infants in Papua New Guinea.

SELECTED PEER-REVIEWED PUBLICATIONS, MAGAZINE ARTICLES & PROCEEDINGS (NOT ABSTRACTS)

1. Stratton, D., Stothers, J.K., **Oppenheimer, S.J.** & Wild, R.M. (1976). "Neonatal resuscitation". *Lancet I*, 490.
2. **Oppenheimer, S.J.** (1979). "Laboratory evaluation of miniature portable apparatus for estimation of red cell indices." *Ann. Trop. Med. Parasit.* 73(6), 593-595.
3. **Oppenheimer, S.J.** & Snodgrass, G.J.A.I. (1980). Neonatal rickets. Histopathology and quantitative changes. *Arch. Dis. Child.* Dec 12, 945-949.
4. **Oppenheimer, S.J.** (1980). "Anaemia of infancy and bacterial infections in Papua New Guinea." *Ann. Trop. Med. Parasit.* 74(1), 69-72.
5. **Oppenheimer, S.J.**, Bull, R. & Thurnham, D.I. (1983). "Riboflavin deficiency in Madang infants." *Papua New Guinea Med. J.* 26, 17-20.
6. **Oppenheimer, S.J.** & Hendrickse, R.G. (1983). "The clinical effects of iron deficiency and iron supplementation." *Nutr. Abstr. & Rev.: Rev. Clin. Nut.* 53, 585-598.
7. Thurnham, D.I. & **Oppenheimer, S.J.** (1983). "Riboflavin status of babies with malaria." *Trans. Roy. Soc. Trop. Med. Hyg.* 77, 423-424.
8. **Oppenheimer, S.J.** Gibson, F.D., Macfarlane, S.B., Moody, J.B., & Hendrickse, R.G. (1984). "Iron supplementation and malaria." *Lancet I*, 389-390.
9. **Oppenheimer, S.J.**, Worwood, M. & Bull, R. (1984). Source of serum ferritin in malaria. *Ann. Trop. Paed.* 4, 251.
10. **Oppenheimer, S.J.**, Macfarlane, S.B.J., Moody, J.B., Bunari, O., Williams, T.E., Harrison, C. & Hendrickse, R.G. (1984). 'Iron and infection in infancy. Report on field studies in Papua New Guinea. 1). Demographic description and pilot surveys.' *Ann. Trop. Paed.* 4, 135-143.
11. **Oppenheimer, S.J.**, Hendrickse, R.G., Macfarlane, S.B.J., Moody, J.B., Harrison, C., Alpers, M., Heywood, P. & Vrbova, H. (1984). 'Iron and infection in infancy. Report of field studies in Papua New Guinea. 2). Protocol and description of study cohort.' *Ann. Trop. Paed.* 4, 145-153.
12. **Oppenheimer, S.J.**, Higgs, D.R., Weatherall, D.J., Barker, J., & Spark, R.A. (1984). "Alpha thalassaemia in Papua New Guinea." *Lancet I*, 424-426.
13. **Oppenheimer, S.J.** (1985) Oncogenes in scrapie and Creutzfeldt-Jacob disease. *Journal of the Royal Society of Medicine.* 78: 347.
15. Hill, A.V.S., Bowden, D.K., Trent, R.J., Higgs, D.R., **Oppenheimer, S.J.**, Thein, S.L., Mickleson, K.N.P., Weatherall, D.J. & Clegg, J.B. (1985). "Melanesians and Polynesians share a unique alpha thalassaemia mutation." *American Journal of Human Genetics.* 37, 571-580.
16. Hill, A.V.S., Bowden, D.K., Flint, J., Whitehouse, D.B., Hopkinson, D.A., **Oppenheimer, S.J.**, Serjeantson, S.W. & Clegg, J.B. (1986). "A population genetic survey of the haptoglobin polymorphism in Melanesians by DNA analysis." *American Journal of Human Genetics.* 37, 382-389.
17. Flint, J., Hill, A.V.S., Bowden, D.K., **Oppenheimer, S.J.**, Sill, P.R., Serjeantson, S.W., Bana-Koiri, J., Bhatia, K., Alpers, M.O., Boyce, A.J., Weatherall, D.J. & Clegg, J.B.

- (1986). "High frequencies of alpha thalassaemia are the result of natural selection by malaria." *Nature* 321, 744-750.
18. Bowden, D.K., Hill, A.V.S., Higgs, D.R., **Oppenheimer, S.J.** Weatherall, D.J. & Clegg, J.B. (1986). "Different hematologic phenotypes are associated with the leftward (4.2) and rightward (3.7) thalassaemia deletions." *Journal of Clinical Investigation*. 79, 39-43.
 19. **Oppenheimer, S.J.**, Macfarlane, S.B.J., Moody, J.B., Bunari, O. & Hendrickse, R.G. (1986). "Effect of iron prophylaxis on morbidity due to infectious disease. Report on clinical studies in Papua New Guinea." *Trans. Roy. Soc. Trop. Med. Hyg.* 80, 596-602.
 20. **Oppenheimer, S.J.**, Gibson, F.D., Macfarlane, S.B.J., Moody, J.B., Harrison, C., Spencer, A. & Bunari, O. (1986). "Iron supplementation increases prevalence and effects of malaria. Report on clinical studies in Papua New Guinea." *Trans. Roy. Soc. Trop. Med. Hyg.* 80, 603-612.
 21. **Oppenheimer, S.J.**, Macfarlane, S.B.J., Moody, J.B. & Harrison, C. (1986). Total dose iron infusion malaria and pregnancy in Papua New Guinea. *Trans. Roy. Soc. Trop. Med. Hyg.* 80, 818-822.
 22. **Oppenheimer, S.J.** & Cashin, P. (1986). "Serum red cell folate levels associated with malarial parasitaemia." *Trans. Roy. Soc. Trop. Med. Hyg.* 80, 169-170.
 23. Harrison, C., Williams, T.E., **Oppenheimer, S.J.**, Moody, J.B., & Cashin, P. (1987). Solid-phase enzyme-labelled immunosorbent assay for serum ferritin: evaluation of method and comparison with an immunoradiometric assay. *Laboratory Practice*. 36(3), 82-84.
 24. Harrison, C., Williams, T.E., **Oppenheimer, S.J.**, Fulford, A.J.C. (1987). Micro method for the determination of serum iron and iron-binding capacity (utilizing ferrozine). *Laboratory Practice*. 36(4), 95-96.
 25. **Oppenheimer, S.J.**, Hill, A.V.S., Gibson, F.D., Macfarlane, S.B.J., Moody, J.B. & Pringle, J. (1987). "The interaction of alpha thalassaemia with malaria." *Trans. Roy. Soc. Trop. Med. Hyg.* 81, 322-326.
 26. Heywood A., **Oppenheimer, S.J.**, Heywood, P., Jolley D. (1989). Behavioural effects of iron supplementation in infants in Madang Papua New Guinea. *American Journal of Clinical Nutrition*. 50: 630-640.
 27. **Oppenheimer, S.J.** (1989). "Iron and malaria." *Parasitology Today*. 5:77-79.
 28. **Oppenheimer, S.J.** (1989). 'Iron and Infection: The Clinical Evidence.' *Acta Paediatrica Scandinavica*. Suppl. 361, 53-62.
 29. Normah J., Choo K.E., **Oppenheimer, S.J.**, Selamah G. (1991). "Glucose-6-phosphate dehydrogenase enzyme activity in normal, hemizygote and heterozygote Kelantanese Malays. *J. Paediatr. Child Health*. 27:376-379.
 30. **Oppenheimer, S.J.** (1991). A re-evaluation of the potential risks of iron therapy in childhood. Invited review, *Postgraduate Doctor: Africa*. 13, 92-94.
 31. **Oppenheimer, S.J.** (1991). 'Iron and Infection: A review.' *Hong Kong Journal of Paediatrics*. 8:52-60.
 32. **Oppenheimer, S.J.** (1992). 'Infectious Disease Focus.' Editorial: *Hong Kong Journal of Paediatrics*. 9(1):3-4.
 33. Choo K.E., **Oppenheimer, S.J.**, Razak, A.R., Ariffin W.A., Abrahams T. (1992). 'Sensitivity and Specificity of the Widal Test for Childhood Typhoid Fever' *Hong Kong Journal of Paediatrics*. 9(1):41-47.
 34. Liu, K.W., Chan Y.L., Tseng, R., & **Oppenheimer, S.J.** (1992). 'Abdominal

- Tuberculosis in Children'. *Hong Kong Journal of Paediatrics*. 9(1):96-99.
35. Liu, K.W., Lee K.H., & **Oppenheimer, S.J.** (1992). 'Enteritis Necroticans - A Diagnostic Challenge'. *Hong Kong Journal of Paediatrics*. 9(1):100-104.
 36. Wong G.W.K., **Oppenheimer, S.J.**, Evans R.M., Leung S.S.F., Cheng J.C.Y. (1992) Pyomyositis: a rare musculoskeletal infection in Hong Kong' *Hong Kong Journal of Paediatrics*. 9(1):109-112.
 37. Tseng, R.Y.M., Ho, A.K.C., Tam, J.S.L., Cheng A.F.B., **Oppenheimer, S.J.** (1992). Exotic Infections in the New Territories of Hong Kong. *Hong Kong Journal of Paediatrics*. 9(1):113-114.
 38. Tseng R.Y.M., Ho A.K.C., Li C.K., Tam J.S.L., Mo S.F., Leung B., **Oppenheimer, S.J.** (1992) (Case Report) 'Spotted fever in Hong Kong'. *Annals of Tropical Paediatrics*. 12 (3):255-257
 39. Ashford R.W., Craig P.S., **Oppenheimer, S.J.** (1992) 'Polyparasitism on the Kenya coast: 1 Prevalence, and association between parasitic infections.' *Ann. Trop. Med. Parasit.* 86:671-679
 40. **Oppenheimer, S.J.** (1992). 'Interactions of Malaria with Nutrition'. *Hong Kong Journal of Paediatrics*. 9(1):5-14.
 41. Salfield, J.R., **Oppenheimer, S.J.**, Fulford, A.J., Powers, H.J., Harrison, C., Mugambe, M (1992). 'Food consumption patterns analysed as food portions rather than nutrients in east coast Kenya: A cluster sample survey'. *Journal of Human Nutrition & Dietetics*. 5:225-235.
 42. Leung S.S.F., Fok T.F., **Oppenheimer, S.J.** (1992) 'Update of Hong Kong Growth Charts for Pre-school Children' *Hong Kong Journal of Paediatrics*. 9:279-283
 43. Wong W., Yu V.Y.H., Cheung K.L., Lee T.H., **Oppenheimer, S.J.**(1992) Outbreak of Necrotising Enterocolitis Associated with Citrobacter. *Hong Kong Journal of Paediatrics*. 9:150-158
 45. Chan A., Chan G., Chow C.B., Ho A., Ip P., Kwan E., Lau Y.L., Lee W.H., Leung C.W., Low L., Ng K.W., **Oppenheimer, S.J.**, Sung R., Yuen R., Yung R. (The Hong Kong HIB Study Group) Epidemiology of Invasive Haemophilus influenzae Type B Infections in Hong Kong Children, 1986 to 1990. *Hong Kong Journal of Paediatrics* (1993) 10:187-8.
 46. Tam J.S., Leung D., Leung R., Cheung K.L., Wong W., **Oppenheimer, S.J.**, Liu K., Cheng A. Prevention of Nosocomial Rotavirus Infection in Infants and Young Children by Oral Administration of Bovine Colostrum Containing Antibodies to Human Rotaviruses. *Hong Kong Journal of Paediatrics* (1993) 10:189.
 47. Lee W.T.K., Leung S.S.F., Wang S.F., Xu Y.C., Tsang W.P., Lau J., Cheng J., **Oppenheimer, S.J.** Calcium Supplementation in Chinese Children with Habitually Low Calcium Intake. *Hong Kong Journal of Paediatrics* (1993) 10:190.
 48. Sung R.Y.T., Yin J., Tam J., Lau J., Wong G., **Oppenheimer, S.J.** Treatment of Respiratory Syncytial Virus Infection With Recombinant Interferon Alpha-2A - A Randomised Double-blind Placebo Controlled Trial. *Hong Kong Journal of Paediatrics* (1993) 10:191-2.
 49. Lee W.T.K, Leung SF., Fairweather-Tait S., Wang S.F., Xu Y.C., Tsang W.P., Cheng J., Masarei J.R, **Oppenheimer, S.J.** True Calcium Absorption in Relation to Calcium Intake in Chinese Children. *Hong Kong Journal of Paediatrics* (1993) 10:194-5.
 50. Wong G.W.K., Leung S.S.F., **Oppenheimer, S.J.** (1993) The epidemiology of IDDM in southern Chinese children in Hong Kong *Diabetes Care (Journal of the American Diabetes Association)*. 16:926-928.

51. Choo K.E., Razif A.R., **Oppenheimer, S.J.**, Ariffin W.A., Lau J., Abraham T. (1993) Usefulness of the Widal test in diagnosing childhood typhoid fever in endemic areas. *J. Paediatr. Child Health.* 29:36-39
52. Wong, G.W.K., **Oppenheimer, S.J.**, Evans, R.M., Leung, S.S.F., & Cheng, J.C.Y. (1993) Pyomyositis and staphylococcal scalded skin syndrome. (Case report) *Acta Paed. Scand.* 82:113-115.
53. Wong G.W.K., **Oppenheimer, S.J.** "Childhood Tuberculosis" - Chapter 11 in the book "*Clinical Tuberculosis*"; Ed. P.D.O. Davies,; pp 211-223. Chapman & Hall Medical. 1993
54. Ashford R.W., Craig P.S., **Oppenheimer, S.J.** (1993) Polyparasitism on the Kenya Coast, 2. Spatial Heterogeneity in Parasite Distributions. *Annals of Tropical Medicine and Parasitology.* 87:283-293.
55. Wong G.W.K., **Oppenheimer, S.J.**, Vaudry W. (1993) Cerebrospinal Fluid Shunt Infection by Unencapsulated *Haemophilus influenzae* *Clinical Infectious Diseases.* 17:519-520.
56. Sung, R.Y.T., Cheng A.F.B., Chan R.C.K., Tam, J.S., **Oppenheimer, S.J.** (1993)."Epidemiology and Aetiology of Pneumonia in Children in Hong Kong" *Clinical Infectious Diseases.* 17:894-6.
57. Sung R.Y.T., Yin J., Tam J, Lau J, **Oppenheimer, S.J.**(1993) Treatment of Respiratory Syncytial Virus infection with recombinant Interferon Alpha-2a. *Archives of Disease in Childhood.* 69:440-442
58. Liu, K.W., Chan Y.L., Tseng, R., & **Oppenheimer, S.J.**(1994) Abdominal Tuberculosis in Children. The role of echo-guided fine needle aspiration in its management. *Surg. Endosc.* 8(4):326-8.
59. **Oppenheimer, S.J.** (1994).Iron and Infection: A clinical review *J. Singapore Paed. Soc.* 36:supp 1; 1-9.
60. Wong G.W.K., Leung S.S.F., Law W.Y., Cheung N.K.H., **Oppenheimer, S.J.** (1994) Oral calcium treatment in Vit D-dependant rickets, type II. *Journal of Paediatrics and Child Health.* 30(5):444-6.
61. Lee W.T., Leung S.S., Wang S.H., Xu Y.C., Zeng W.P., Lau J., **Oppenheimer, S.J.**, Cheng J.C. (1994) "Double-blind controlled Calcium Supplementation and bone mineral accretion in children with habitually low calcium intake." *American Journal of Clinical Nutrition.* 60(5):744-50.
62. Choo K.E., **Oppenheimer, S.J.**, Ismail Asma B., Ong K.H.(1994) Rapid Serodiagnosis of Typhoid Fever by Dot EIA in an Endemic Area. *Clinical Infectious Diseases.* 19(1):172-6.
63. Wong G.W.K., **Oppenheimer, S.J.**, Poon W., Leung R.(1994) "Intracranial Tuberculoma and Hydrocephalus Developing during Treatment of Tuberculous Meningitis" *Journal of Tropical Medicine and Hygiene.* 97(4):236-8
64. Choo K.E., Ariffin W.A., Normah J., **Oppenheimer, S.J.**, Selamah G. Cord Blood G6PD Activity in Malay Neonates. *New Trends in Neonatal Screening.* pp 7-10. Eds Takasugi N., Naruse H. Hokkaido Univ. Press Sapporo. 1994.
65. Lau Y.L., Low L.C.K., Yung R., Ng K.W., Leung C.W., Lee, W.H., Ho A., **Oppenheimer, S.J.** (1995). Invasive *Haemophilus influenzae* type b infections in children hospitalised in Hong Kong, 1986 to 1990. *Acta Paediatrica.* 84(2):173-6
66. Sung R.Y.T., Ling J.M., **Oppenheimer, S.J.**, Crook D.W., Lau J.T.F., Cheng A.F.B. (1995) Carriage of *Haemophilus influenzae* and *Streptococcus pneumoniae* in healthy Chinese and Vietnamese children in Hong Kong. *Acta Paediatrica* 84: 1262-7

67. Wong G.W., Leung S.S., Kwok M.M., **Oppenheimer, S.J.** (1995) Goitre in southern Chinese children in Hong Kong. *Annals of Tropical Paediatrics: International Child Health*. 15(1):27-31.
68. Leung S.S.F., Tse L.Y., Wong G.W.K., Law W.Y., Huen K.F., Yeung V.T.F., Lau J.T.F., **Oppenheimer, S.J.**, Leung N.K.(1995) Standards for the Anthropometric Assessment of Nutritional Status of Hong Kong Children. *The Hong Kong Journal of Paediatrics*. 12:5-15.
69. Leung S.S., Lau J.T., Tse L.Y., **Oppenheimer, S.J.** Weight-for-age and weight-for-height references for Hong Kong children from birth to 18 years.(1996) *J Paediatr Child Health*. 32(2):103-9
70. Sung R.Y.T., Huang G.Y., Shing M.K., **Oppenheimer, S.J.**, Li C.K., Li C.K., Lau J., Yuen M.P. (1997) Echocardiographic evaluation of cardiac function in paediatric oncology patients treated with or without anthracycline. *International Journal of Cardiology*. 60:239-248.
71. Senok, Abiola C., Li K., Nelson EAS, Yu L.M., Tian L.P., **Oppenheimer, S.J.** (1997) Invasion and growth of *Plasmodium falciparum* Growth is inhibited in Fractionated Thalassaemic Erythrocytes. *Trans. Roy. Soc. Trop. Med. Hyg.* 91:138-143.
72. Sullivan PB, Lewidon PJ, **Oppenheimer SJ**, Cheng C, Goodlad RA, Wright NA: (1997) A pilot study of the safety and efficacy of epidermal growth factor in the treatment of necrotising enterocolitis. *Gut*, 41(Suppl 3):A69
73. Sung R.Y.T., Senok Abiola C., Ho A., **Oppenheimer, S.J.**, Davies D.P. (1997) Meningitis in Hong Kong Children, with special reference to to the infrequency of haemophilus and meningococcal infection. *J. Paediatr. Child Health*. 33: 296-299.
74. Senok, Abiola C., Nelson E.A.S., Li K. & **Oppenheimer, S.J.** (1997) "Thalassaemia Trait, Red Blood Cell Age and Oxidant Stress: Effects on *Plasmodium falciparum* Growth and Sensitivity to Artemisinin", *Trans. Roy. Soc. Trop. Med. Hyg.* vol. 91, pp. 585-589.
75. **Oppenheimer, S.J.**. (1998) "Iron and Infection in the Tropics: paediatric clinical correlates", *Annals of Tropical Paediatrics*, Vol 18 (supp) S81-S87
76. **Oppenheimer, Stephen.** Book title: "*Eden in the East: the Drowned continent of Southeast Asia*" Weidenfeld and Nicolson, London, Sept 1998.
77. Richards M., **Oppenheimer, S.J.**, and Sykes B.(1998) "MtDNA suggests Polynesian Origins in Eastern Indonesia", *American Journal of Human Genetics*, 63 . 4:1234-6
78. Tian L.P., Nelson E.A.S., Senok Abiola , Yu L.M., **Oppenheimer, S.J.** & Li K. (1998) "Red Cell age and Susceptibility to Malaria during Pregnancy". *Acta Obstet. Gynecol. Scand.* 77: 717-721
79. **Oppenheimer, S.J.** Richards, M., Macaulay, V. (2000) "The Austronesian Homeland: A genetic perspective" Proceedings of the Sixth Biennial Borneo Research Conference. Kuching, UNIMAS., vol 1
80. Capelli, C., Wilson, J.F. Richards, M., Gratrix, F., **Oppenheimer, S.**, Underhill, P., Ko, T-M, and Goldstein, D. (2001). "A Predominantly Indigenous Paternal Heritage for the Austronesian-speaking Peoples of Insular Southeast Asia and Oceania. *American Journal of Human Genetics*, 68:432-443.
81. **Oppenheimer, SJ.** "Iron, and its relation to immunity and infectious disease" (2001) *The Journal of Nutrition*. 131(1): 616S-633S
82. **Oppenheimer, S.J.**, Richards M, (2001). "Polynesian Origins: Slow boat to Melanesia?" *Nature*, 410: 166-7
83. **Oppenheimer, SJ**, Richards M, (2001). Fast trains, slow boats, and the ancestry of the Polynesian islanders. *Science Progress*, 84 (3), 157-181

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Summary of Research to-date

The research contributions I have made over the past 25 years can be summarized as follows:

- 1) My work on iron supplementation and malaria It has been my long-term aim to change WHO & UNICEF global policy on iron supplementation in malarious areas. This aim was achieved at meetings last year with WHO.
- 2) My work on alpha thalassaemia and its interactions with iron and malaria. I was the first to notice the altitudinal difference in alpha thalassaemia prevalence in Papua New Guinea *and* to suggest this was due to natural selection by malaria (Oppenheimer et al, *Lancet*, 1984 & ff. see attached CV). I carried on my interest in thalassaemia in Hong Kong with a Nigerian PhD student Abiola Senok and other collaborators in my department, setting up a project to look at non-immunological mechanisms of protection. This involved growth of malarial parasites *in vitro* in age-fractionated red cells under different stress conditions. This work has suggested a robust and tested model of anti-malarial protection based on oxidant stress and schizont maturation arrest.
- 3) My interest in human migrations in the Pacific, was first stimulated 25 years ago, when I started to examine the distribution of different single-deletion alpha-thalassaemia genotypes by language and geography in the Southwest Pacific. I have been interested in Pacific and Southeast Asian migrations ever since and this was the main impetus to write my first book *Eden in the East* (1998). I have published a number of peer-reviewed articles in this field. The core hypothesis in my work is an alternative model to the peopling of the Pacific from the orthodox Express Train from Taiwan to Polynesia model. The orthodox model proposes a Late Holocene agriculturally driven expansion from Taiwan, while mine argues for a longer-term Early Holocene, environmentally-driven, staged-expansion beyond the Wallace Line.
- 4) My work on the modern human exit from Africa I made a multidisciplinary reconstruction of a single successful pre-Toba Eruption (i.e. pre-74,000 BP) exit from sub-Saharan Africa via the southern route across the mouth of the Red Sea in my book *Out of Eden* (2003). The comprehensive reconstruction in this publication was anticipated by a 7,150-word summary written in 1999, and an article in the *Geographic Magazine* in 2002 (*The First Exodus*). I have since authored/co-authored several peer-reviewed publications on this in *Science* and other journals – listed in the CV. *Out of Eden* has become a best-seller in English and Japanese.
- 5) I published a book called *The Origins of the British: a genetic detective story* in 2006, which has since become a bestseller and I have been asked to give numerous public and academic lectures on this.
- 6) Apart from the areas mentioned above, my other research and publications as a tropical

paediatrician have focused on infectious disease epidemiology and on micronutrient deficiencies/supplementation such as iron, calcium and riboflavin.