



## เอกสารอ้างอิง

- A WHO Memorandum, "Malaria Parasite Strain Characterization, Cryopreservation and Banking of Isolates," Bull. WHO, 59, 537-548, 1981.
- Anderson, M.L.M. and B.D. Young, "Nucleic Acid Hybridization : a Practical Approach," Ed. by B.D. Hames and S.J. Higgins, IRL Press, Oxford, 73-111, 1985.
- Bhasin, B.K., C. Clayton, W. Trager and G.A.M. Cross, "Variations in the Organization of Repetitive DNA Sequences in the Genome of Plasmodium falciparum Clones," Med. Biochem. Parasitol., 15, 149-158, 1985.
- Beal, G.H., R. Carter and D. Walliker, "Genetics in Rodent malaria" ed. R. Killick - Kendrick and W. Peters, Academic Press, London, 213-245, 1978.
- Bone, N., T. Gibson, M. Goman, J.E. Hyde, G.W. Langsley, J.G. Scaife, D. Walliker, N.K. Yankofsky and J.W. Zolg, "Investigation of the DNA of the Human Malaria Parasite Plasmodium falciparum by in vitro Cloning into Phage," Molecular Biology of Parasites Eds. by J. Guardiola, L. Lazzatto and W. Trager, Volume 2. Sero Symposia Publications from Raven Press, New York, 1983.
- Britten, R.J. and E.H. Davison, "Nucleic Acid Hybridization : a Practical Approach", Ed. by B.D. Hames and S.J. Higgins, IRL Press, Oxford, 3-15, 1985.
- Bryant, F.R., "Elementary step in the DNA Polymerase I Restriction Pathway," Biochem., 22 (15), 3537-3547, 1983.
- Carter, R., "Studies on Enzyme Variation in the Murine Malaria Parasites Plasmodium berghei, P. yoelii, P. vinckei, P. Chabaudi by Starch Gel Electrophoresis," Parasitology, 76, 241-267, 1978.

- Carter, R. and I.A. McGregor, "Enzyme Variation in Plasmodium falciparum in the Gambia", Trans. Roy. Soc. Trop. Med. Hyg. 67, 830-837, 1973.
- Codrre, J.A., S.M. Beverley, R.T. Schimke and D.V. Santi, "Overproduction of a Bifunctional Thymidylate Synthetase Dihydrofolate Reductase and DNA Amplification in Methotrexate-Resistant Leishmania tropica", Proc. Natl. Acad. Sci. USA., 80, 2132-2136, 1983.
- Dore, E., C. Birago, C. Frontali and P.A. Battaglia, "Kinetic Complexity and Repetitiveness of Plasmodium berghei DNA," Molecular and Biochemical Parasitology, 1, 199-208, 1980.
- Favell, R.A., E.J. Birfelder, J.P.M. Sanders and P. Borst, "DNA-DNA Hybridization on Nitrocellulose Filters," Eur. J. Biochem., 47, 535-543, 1974.
- Ferreira, A., V. Enea, T. Morimoto and V. Nussenzweig, "Infectivity of Plasmodium berghei Sporozoites Measured with a DNA Probe", Molecular and Biochemical parasitology, 19, 103-109, 1986.
- Franzen, L, G. westin, R. shabo, L. Aslund, H. Perlmann, T. Persson, H. Wigze-I and U Pettersson, "Analysis of Clinical Specimens by Hybridization with Probe Containing Repetitive DNA from Plasmodium falciparum," The Lancet, 1, 525-528, 1984.
- Fucharoen, S., "Genotyping of the human malaria parasite Plasmodium falciparum, by DNA Hybridization, M. Sc. thesis, Mahidol University, 1985.
- , N. Tirawanchai, P. Wilaerat, S. Panyim and S. Thaithong, "Differentiation of Plasmodium falciparum Clones by means of a Repetitive DNA Probe," Trans. Roy. Soc. Trop. Med. Hyg., 82, 209-211, 1988.
- Goman, M., G. Langsley, J.E. Hyde, N.K. Yankovsky, J.W. Zolg and J.G. Scaife, "The Establishment of Genomic DNA Libraries for the Human Malaria Parasite Plasmodium falciparum and Identification

- of Individual Clones by Hybridization," Molecular and Biochemical parasitology, 5, 391-400, 1982.
- Guntaka, R.V., S. Gowada, A.S. Raso and T.J. Green, "Organization of Plasmodium falciparum Genome : 1 Evidence for A Highly Repeated DNA Sequence," Nucleic Acids Research, 13 (6), 1965-1975, 1985.
- Gutteridge, W.E., P.I. Trigg, and D.H. Williamson, "Properties of DNA from Some Malaria Parasites," Parasitology, 62, 209-219, 1971.
- Haberman, A. "The Bacteriophage P 1 Restriction Endonuclease," J. Mol. Biol., 96, 171-175, 1974.
- Helling, R.B., "Analysis of R. Eco RI Fragments of DNA from Lambda Bacteriophages and other Viruses by Agarose-Gel Electrophoresis," J. Virology, 14, 1235-1241, 1974.
- Hempelmann, E., I. Ling, R.J.M. Wilson, "S-Antigens and Isozymes in Strains of Plasmodium falciparum," Trans. Roy. Soc. Trop. Hyg., 75, 855-858, 1981.
- Hough-Evans, B.R., and J. Howard, "Genome Size and DNA Complexity of Plasmodium falciparum," Biochem. Biophys. Acta., 698, 56-61, 1982.
- Inselburg, J. and H.S. Benyal, "Synthesis of DNA During the Asexual cycle of Plasmodium falciparum in Culture," Molecular and Biochemical Parasitology, 10, 79-87, 1984.
- Intapruk, C., "Sequence Analysis and Application of Cloned DNA from Plasmodium falciparum," M.Sc. thesis, Mahidol University, 1984.
- Kalz, M., D.D. Despommien and R.W. Gwadz, Parasitic Disease, 149-161, Springer-Verlag, New York, 1982.
- Kemp, D.J., L.M. Corcoran, R.L. Coppel, H.D. Stahl, A.E. Bianco, G.V. Brown and R.F. Ander, "Size variation in chromosomes from Independent Cultured Isolates of Plasmodium falciparum," (In press)

- Langer, P.R., A.A. Waldrop and D.C. Ward, "Enzymatic Synthesis of Biotin-Labeled Polynucleotides : Novel Nucleic Acid Affinity Probe," Proc. Natl. Acad. Sci. USA., 78, 6633-6637, 1981.
- Linn, S. and J. Arber, "Host Specificity of DNA Produced by *Escherichia coli* X in vitro Restriction of Phage  $\lambda$  Replicative Form," Proc. Natl. Acad. Sci. USA., 59, 1300-1304, 1968.
- Maniatis T, E.F. Fritsch and J. Sambrook, Molecular Cloning, A Laboratory Manual, Cold Spring Harbor Laboratory publications, New York, U.S.A., 1982.
- McBride, J.S., D. Walliker and G. Morgan, "Antigenic Diversity in the Human Malaria Parasite Plasmodium falciparum," Science, 217, 254-257, 1987.
- \_\_\_\_\_, P.D. Welsby, D. Walliker, " Serotyping Plasmodium falciparum from Acute Human Infections Using Monoclonal Antibodies," Trans Roy. Soc. Trop. Med Hyg., 78, 32- 34, 1984.
- McCutchan, T.F., J.B. Dame, L.H. Miller, J. Barnwell; "Evolutionary Relatedness of Plasmodium Species as Determined by the Structure of DNA", Science, 255, 805-811, 1984.
- O' Farrell, P.H., "High Resolution Two Dimensional Electrophoresis of Proteins," J. of Biological Chemistry, 250. 4007- 4021, 1975.
- Padua, R.A., "Plasmodium chabaudi : Genetic of Resistance to Chloroquine," Experimental Parasitology, 52, 419-425, 1981.
- Peters, W., "Drug Resistance in Plasmodium berghei," Experimental Parasitology, 17, 80-89, 1965.
- Peters, W., "The Chemotherapy of Malaria. V. Dynamic of Drug Resistance. Part I. Methods for Studying the Acquisition and Loss of Resistance to Chloroquine by Plasmodium berghei", Annals of Tropical Medicine and Parasitology, 62, 277-267, 1968.
- Pinswadi, C., S. Thaithong, G.H. Beal, B. Fenton, H.K. Webster and K. Pavanand, "Polymorphism of Proteins in Malaria Parasites Following Mefloquine Treatment," Molecular and Biochemical

- Parasitology, 23, 159-164, 1987.
- Pollack, Y., A.L. Katzen, D.T. Spira, and J. Golenser, "The Genome of Plasmodium falciparum. I : DNA Base Composition," Nucleic Acids Research, 10(2), 539-546, 1982.
- Rigby, P.W.J., M. Dieckmann, C. Rhodes and P. Berg, "Labelling Deoxyribonucleic Acid to High Specific Activity in vitro by Nick Translation with DNA Polymerase I," J. Mol. Biol., 113, 237-251, 1977.
- Robert, R., "Restriction and Modification Enzymes and Recognition Sequences," Nucleic Acid Research, 10, 117-119, 1982.
- Rosario, V. "Cloning of Naturally Occurring Mixed Infections of Plasmodium falciparum," Science, 212, 1037-1038, 1981.
- Ross, R. The Prevention of Malaria, John Murray, London, 1910.
- Schimke, R.T., et al., "Gene Amplification and Drug Resistance in Cultured Murine Cells," Science, 202, 1051-1055, 1978.
- Schofield, L., A. Saul, P. Myler and G. Kidson, "Antigenic Differences Among Isolates of Plasmodium falciparum Demonstrated by Monoclonal Antibodies," Infect Immunol., 38, 893-897, 1982.
- Smith, H.O., "A Restriction Enzyme from Hemophilus influenzae I. Purification and General Properties," J. Mol. Biol., 51, 379-391, 1970.
- Southern, E.M., "Detection of Specific Genes Among Cells and Clones by DNA-DNA Hybridization," J. Mol. Biol., 98, 503-517, 1975.
- Walliker, J., "Analysis of Protein Variation in Plasmodium falciparum by Two Dimensional Gel Electrophoresis," Molecular and Biochemical Parasitology, 2, 205-218, 1981.
- Thaithong, S., G.H. Beal, B. Fenton, J. Mc Bride, V. Rosario, A. Walker D. Walliker, "Clonal Diversity in a Single Isolate of the Malaria Parasite Plasmodium falciparum," Trans, Roy, Soc Trop. Med. Hyg., 78, 242-245, 1984.

- , G.H. Beale, M. Chutmongkolkul, "Variability in Drug Susceptibility amongst Clones and Isolates of Plasmodium falciparum," Trans. Roy. Soc. Trop. Med. Hyg., 82, 33-36, 1988.
- , T. Sueblinwong and G.H. Beal, "Enzyme Typing of Some Isolates of Plasmodium falciparum from Thailand," Trans. Roy. Soc. Trop. Med. Hyg., 75, 268-270, 1981.
- "The Biology of Malaria Parasites", Technical Report Series, 743, World Health Organization, Geneva, 1987.
- Tirawanchai, N., "Cloning of Malaria Parasite DNA," M.Sc, thesis, Mahidol University, 1983.
- Trager, W. and J.B. Jensen, "Human Malaria Parasites in Continuous Culture," science, 22, 673-675, 1976.
- , M. Tershakovec, L. Lyandvert, H. Standey, N. Lanners and E. Gubert, "Clones of the Malaria Parasite Plasmodium falciparum Obtained by Microscopic Selection : Their Characterization with Regard to Knobs, Chloroquine Sensitivity., and Formation of Gametocytes", Proc. Natl. Acad. Sci. USA., 78, 6527-6530, 1981
- Tungpradupkul, S., S. Panyim, P. Wilairat and Y. Yuthawong, "Analysis of DNA from Various Species and Strains of Malaria Parasites by Restriction Endonuclease Finger Printing," Comp. Biochem. Physiol., 74, 481-485, 1983.
- Walliker, D., "Genetics of the Parasites", In Modern Genetic Concepts and Techniques in the study of Parasites, Tropical Diseases Research Series, 4, 147-153, 1981.
- , "The Genetic Basis of Diversity in Malaria Parasites", Adv. Parasit., 22, 217-259, 1983.
- Warren, M., J. Mason and J. Hobbs, "Natural Infection of Anopheles albimanus and Plasmodium in A Small Malaria Focus," Am.J. Trop. Med. Hyg., 24, 545-546, 1975.

Wernsdorfer, W.H., "Malaria Today," in Second Conference on Malaria Research, Thailand, pp. 15-22, The Merlin Pattaya, Pattaya City, 1986.

Wilson, R.J.M., "Serotyping of Plasmodium falciparum Malaria with S - Antigens," Nature, 284, 451-452, 1980.



ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

## ประวัติผู้เขียน

นางสาว เนาวรัตน์ สีสด เกิดเมื่อวันที่ 13 กรกฎาคม พ.ศ. 2504 สำเร็จ  
 การศึกษาชั้นปริญญาวิทยาศาสตรบัณฑิต จากมหาวิทยาลัยศรีนครินทรวิโรฒ บางแสน เมื่อปี  
 พ.ศ. 2527 และเข้าศึกษาตามหลักสูตรปริญญาโทบัณฑิต ของ จุฬาลงกรณ์มหาวิทยาลัย  
 ในปีการศึกษา 2527



ศูนย์วิทยทรัพยากร  
 จุฬาลงกรณ์มหาวิทยาลัย