
Malaria Workshop Program

June 15

- 9:00-9:20 **Registration**
- 9:20-9:30 Introductory remarks
Masamichi Aikawa (Tokai University)
- 9:30-10:30 Ruth Nussenzweig (New York University)
- 10:30-10:45 Coffee Break
- 10:45-11:45 Peter Perlmann (Stockholm University)
Selected problems of malaria blood stage immunity
- 11:45-13:00 Lunch
- 13:00-15:15 Chairperson: Ruth Nussenzweig
- 13:00 Evasion of host immune system by malaria parasite, *Plasmodium falciparum*, at an asexual stage
Toshihiro Horii (Res. Inst. of Microbial Diseases, Osaka Univ.)
- 13:30 Single locus analysis of allelic variation in the *Plasmodium falciparum* MSP1 gene of field isolates
Kazuyuki Tanabe¹, N. Sakihama¹, O. Kaneko², M. Kimura², M. U. Ferreira³, F. Kawamoto³ and K. Hirayama⁴ (¹Osaka Inst. of Technology, ²School of Med., Osaka City Univ., ³School of Med., Nagoya Univ., ⁴Saitama Medical School)
- 14:00 Comparison of novel *Plasmodium yoelii* and *P. berghei* ookinete antigens with known homologues reveals two conserved regions.
Takafumi Tsuboi¹, Y.-M. Cao¹, D. C. Kaslow² and M. Torii¹ (¹School of Med., Ehime Univ., ²Malaria Vaccines Sec., LPD, NIAID, NIH)
- 14:30 Mutual interaction of Th1 and Th2 functions with male sex hormone in the protection to *Plasmodium chabaudi chabaudi*
Z.-H. Zhang, S. Saito and Fujiro Sendo (School of Med., Yamagata Univ.)
- 15:00 Coffee Break
- 15:15-17:15 Chairperson: Peter Perlmann
- 15:15 Different plasmal levels of circulating cell adhesion molecules in *falciparum* malaria patients according to disease severity
Yoshitsugu Matsumoto¹, T. Naya¹, C. A. Darko¹, Y. Katakai¹, S. Kano², M. Suzuki², P. Wilairatana³, S. Looareesuwan³, G. M. Brittenham⁴ and M. Aikawa⁵ (¹School of Agric. and Life Sci., Univ. of Tokyo, ²School of Med., Gunma Univ., ³Fac. of Tropical Med., Mahidol Univ., ⁴Case Western Reserve Univ. and ⁵Res. Inst. of Med. Sci., Tokai Univ.)

- 15:45 HLA-B*4601 increased in the adult patients with severe malaria at Mae Sod Hospitals in Thailand
Kenji Hirayama¹, M. Kikuchi¹, T. Oumaporn², W. Yupaporn², K. Na-Bangchang², J. Karbwang², and T. Kanda³ (¹Saitama Med. School, ²Fac. of Tropical Med., Mahidol Univ., ³Japanese Society of Tropical Med.)
- 16:15 Screening of HLA-DR-restricted helper T-cell epitopes of MSP1 of *Plasmodium falciparum* in humans.
Nobuo Ohta¹, J. Fu¹, Y. Yabu¹, M. Hato¹ and T. Sone² (¹School of Med. Nagoya City Univ., ²Saitama Med. School)
- 16:45 Usefulness of new DNA diagnostic method for malaria: microtiter plate-hybridization
Yusuke Wataya, H. Miyake¹, H-S. Kim¹, Meiji Arai¹ and M. Kimura² (¹Fac. of Pharmacology, Okayama Univ., ²Inst. of Med. Sci., Univ. of Tokyo)
- 18:00-20:00 **Banquet Party**

June 16

- 9:00-9:10 Greetings from the Dean of School of Medicine, Tokai University
Kiyoshi Kurokawa (Tokai University)
- 9:10-10:10 Michael R. Hollingdale (University of Leeds)
Malaria liver stage immunity
- 10:10 Coffee Break
- 10:25-11:25 Sornchai Looareesuwan (Mahidol University)
Research on new antimalarial drugs in the Bangkok Hospital for Tropical Diseases
- 11:25-12:30 Lunch
- 12:30-14:30 Chairperson: Michael R. Hollingdale
- 12:30 Mitochondrial respiratory chain of malaria parasite
Kiyoshi Kita, Y. Watanabe, S. Takeo, S. Mineki, H. Hirawake, H. Amino, E. Aso, J. Watanabe and S. Kojima (Inst. of Med. Sci., Univ. of Tokyo)
- 13:00 Heat shock protein in host parasite interaction in murine malaria infection
K. Himeno, H. Hisaeda, T. Sakai, H. Ishikawa and M. Zhou (School of Med. Tokushima Univ.)
- 13:30 Molecular characterization and ultrastructural localization of *Plasmodium falciparum* HSP60
Hisashi Fujioka¹, A. Das², Chaing Syin³, H. Zheng², N. Goldman³, M. Aikawa⁴, and N. Kumar² (¹Institute of Pathology, Case Western Reserve Univ., ²Johns Hopkins School of Public Health, Lab. of Parasitic Biol. and Biochem., ³Office of Vaccine Res. and Rev., Center for Biologics Evaluation and Research, Food and Drug Adm., ⁴Res. Inst. of Med. Sic., Tokai Univ.)
- 14:00 Malaria genome project in Japan
Junichi Watanabe¹, M. Imada¹, Y. Suzuki¹, Z. Sasaki¹, H. Hata¹, J. M.-Sugano¹, S. Sugano¹, H. Ikeda², K. Tashiro¹ and S. Kojima¹ (¹Inst. of Med. Sci., Univ. of Tokyo, ²Graduate School of Gene Resources Tech., Kyushu Univ.)
- 14:30 Coffee Break
- 14:45-16:50 Chairperson: Sornchai Looareesuwan
- 14:45 Serological evaluation of Malaria patients in Thailand, with particular reference to the reactivity against a 47 KD antigenic polypeptide of *Plasmodium falciparum*
Shigeyuki Kano¹, T. Onda¹, Y. Matsumoto², S. Looareesuwan³, M. Aikawa⁴ and M. Suzuki¹, (¹School of Med., Gunma Univ., ²School of Agric. and Life Sci., Univ. of Tokyo, ³Fac. of Tropical Med., Mahidol Univ., ⁴Inst. of Med. Sci., Tokai Univ.)

- 15:15 Recrudescence of *Plasmodium falciparum* in culture: unaffectedness and frequency of dormant parasites
Shusuke Nakazawa¹, H. Kanbara¹ and M. Aikawa² (¹Inst. of Tropical Med., Nagasaki Univ., ²Res. Inst. of Med. Sci., Tokai Univ.)
- 15:45 A non human primate model for severe human malaria: *Plasmodium coatneyi*-infected Japanese macaque (*Macaca fuscata*)
Satoru Kawai¹, M. Aikawa², M. Suzuki³, H. Matsuda¹ (¹School of Med., Dokkyo Univ., ²Res. Inst. of Med. Sci., Tokai Univ, ³School of Med., Gunma Univ.)
- 16:15 General Discussion, Chairperson: Masamichi Aikawa
- 16:50-17:00 Closing remarks
Masamichi Aikawa