

6. Department of Parasitology

- 1) Husain, A., Jeelani, G., Sato, D., and Nozaki, T. Global Analysis of gene expression in response to L-cysteine deprivation in the anaerobic protozoan parasite *Entamoeba histolytica*. *BMC Genomics* 12, 275, 2011.
- 2) Penuliar, G. M., Furukawa, A., Sato, D., and Nozaki, T. Mechanism of trifluoromethionine resistance in *Entamoeba histolytica*. *J. Antimicrob. Chemother.* 66, 2045-2052, 2011.
- 3) Mi-ichi, F., Makiuchi, T., Furukawa, A., Sato, D., and Nozaki, T. Sulfate activation in mitochondria plays a crucial role in the proliferation of *Entamoeba histolytica*. *PLoS Negl. Trop. Dis.* 5, e1263, 2011.
- 4) Watanabe, K., Gatanaga, H., de Cadiz, A.E., Tanuma, J., Nozaki, T., Oka, S. Amebiasis in HIV-1-Infected Japanese men: clinical features and response to therapy. *PLoS Negl. Trop. Dis.* 5:e1318, 2011.
- 5) Khan, S. M., Debnath, C., Pramanik, A. K., Xiao, L., Nozaki, T., and Ganguly, S. Molecular evidence for zoonotic transmission of *Giardia duodenalis* among dairy farm workers in West Bengal, India. *Vet. Parasitol.* 178, 342-345, 2011.
- 6) Penuliar, G. M., Furukawa, A., Nakada-Tsukui, K., Husain, A., Sato, D., and Nozaki, T. Transcriptional and functional analysis of trifluoromethionine resistance in *Entamoeba histolytica*. *J. Antimicrob. Chemother.* 67, 375-386, 2012.
- 7) Mishra, V., Kumar, V., Ali, V., Nozaki, T., Zhang, K. Y. J., Bhakuni, V. Role of conserved active site tryptophan-101 in functional activity and stability of phosphoserine aminotransferase from an enteric human parasite. *Amino Acids* 43, 483-491, 2012.
- 8) Mishra, V., Kumar, A., Ali, V., Nozaki, T., Zhang, K. Y. J., and Bhakuni, V. Glu-108 is essential for subunit assembly and dimer stability of D-phosphoglycerate dehydrogenase from *Entamoeba histolytica*. *Mol. Biochem. Parasitol.* 181, 117-124, 2012.
- 9) Furukawa, A., Nakada-Tsukui, K., and Nozaki, T. Novel transmembrane receptor involved in phagosome transport of lysozymes and β -hexosaminidase in the enteric protozoan *Entamoeba histolytica*. *PLoS Pathogens* 8: e1002539. doi:10.1371/journal.ppat.1002539, 2012.
- 10) Kishida, N., Miyata, R., Furuta, A., Izumiyama, S., Tsuneda, S., Sekiguchi, Y., Noda, N., Akiba, M. Quantitative detection of *Cryptosporidium* oocyst in water source based on 18S rRNA by alternately binding probe competitive reverse transcription polymerase chain reaction (ABC-RT-PCR). *Water Res.* 46, 187-94, 2012
- 11) Asahi, H., Izumiyama, S., Tolba, M.E., Kwansa-Bentum, B. *Plasmodium falciparum*: differing effects of non-esterified fatty acids and phospholipids on intraerythrocytic growth in serum-free medium. *Exp. Parasitol.* 127, 708-13, 2011
- 12) Taguri, T., Oda, Y., Sugiyama, K., Nishikawa, T., Endo, T., Izumiyama, S., Yamazaki, M., Kura, F. A rapid detection method using flow cytometry to monitor the risk of *Legionella* in bath water. *J. Microbiol. Methods* 86, 25-32, 2011
- 13) Nakatani, F., Morita, Y.S., Ashida, H., Nagamune, K., Maeda, Y., and Kinoshita, T. Identification of a second catalytically active trans-sialidase in *Trypanosoma brucei*. *Biochem. Biophys. Res. Comm.* 415, 421-5, 2011
- 14) Toyama, T., Tahara, M., Nagamune, K., Arimitsu, K., Hamashima, Y., Palacpac, N.M.Q., Kawaide, H., Horii, T., and Tanabe, K. Gibberellin Biosynthetic Inhibitors Make Human Malaria Parasite *Plasmodium falciparum* Cells Swell and Rupture to Death. *PLoS ONE* 7, e32246, 2012
- 15) Kwansa-Bentum, B., Ayi, I., Suzuki, T., Otchere, J., Kumagai, T., Anyan, W.K., Osei, J.H.N., Asahi, H., Ofori, M., Akao, N., Wilson, M.D., Boakye' D.A., Ohta, N. *Plasmodium falciparum* isolates from southern Ghana exhibit polymorphisms in the SERCA-type *PfATPase6* though sensitive to artesunate *in vitro*. *Malaria J.*, 10, 187-95, 2011.
- 16) Kwansa-Bentum, B., Ayi, I., Suzuki, T., Otchere, J., Kumagai, T., Anyan, W.K., Asahi, H., Akao, N., Wilson, M.D., Boakye' D.A., Ohta, N. Compliance to artesunate-amodiaquine regimen: perspectives and practices of health professionals after five years of implementing artemisinin-based combination therapy in Ghana. *Trop. Med. Internat. Health*, 16, 1215-24, 2011.
- 17) Abe, M., Fukuomi, H., Shirakura, T., Zhao, W-H., Asahi, H., Kushima, M., Shiokawa, A., Yagita, K., Tanaka, K., Kimura, S. A pilot study for the detection of protozoan infections of the gut at autopsy. *Showa Univ. J. Med. Sci.*, 23, 227-235, 2011.
- 18) Doi, M., Tanabe, K., Tachibana, S., Hamai, M., Tachibana, M., Mita, T., Yagi, M., Zeyer, F.Y., Ferreira, M.U., Ohmae, H., Kaneko, A. Worldwide sequence

- conservation of transmission -blocking vaccine candidate Pvs230 in *Plasmodium vivax*. *Vaccine* 29, 4308-4315, 2011.
- 19) Bitoh, T., Fueda, K., Ohmae, H., Watanabe, M., Ishikawa, H. Risk analysis of the re-emergence of *Plasmodium vivax* malaria in Japan using a stochastic model. *Environ Health and Preventive Med.* 16, 171-7, 2011.
- 20) Saito, C., Uemura, T., Awai, C., Tominaga, M., Ebine, K., Ito, J., Ueda, T., Abe, H., Morita, M., Tasaka, M., and Nakano, A. The occurrence of 'bulbs', a complex configuration of the vacuolar membrane, is affected by mutations of vacuolar SNARE and phospholipase in *Arabidopsis*. *Plant J.*, 68, 64-73, 2011.
- 21) Ebine, K., Fujimoto, M., Okatani, Y., Nishiyama, T., Goh, T., Ito, E., Dainobu, T., Nishitani, A., Uemura, T., Sato, M.H., Thordal-Christensen, H., Tsutsumi, N., Nakano, A., and Ueda, T. A membrane trafficking pathway regulated by the plant-specific RAB GTPase ARA6. *Nat. Cell Biol.* 13, 853-859, 2011.
- 22) Ito, E., Fujimoto, M., Ebine, K., Uemura, T., Ueda, T., and Nakano, A. Dynamic behavior of clathrin in *Arabidopsis thaliana* unveiled by live imaging. *Plant J.*, 69, 204-216, 2011.
- 23) Uemura, T., Kim, H., Saito, C., Ebine, K., Ueda, T., Schulze-Lefert, P., and Nakano, A. Qa-SNAREs localized to the trans-Golgi network regulate multiple transport pathways and extracellular disease resistance in plants. *Proc. Natl. Acad. Sci. USA.*, 109, 1784-1789, 2012.
- 24) Ebine, K., Miyakawa, N., Fujimoto, M., Uemura, T., Nakano, A., and Ueda, T. Endosomal trafficking pathway regulated by ARA6, a RAB5 GTPase unique to plants. *Small GTPases* 3, 23-27, 2012.
- 25) Saito-Nakano, Y., Tanabe, K., Mita, T. Identification of pyrimethamine- and chloroquine-resistant *Plasmodium falciparum* in Africa between 1984 and 1998: genotyping of archive blood samples. *Malaria J.*, 10, 388, 2011
- 26) Takeda M., Sugiyama H., Singh T.S. Some freshwater crabs from northeast India bordered on Myanmar. *J. Teikyo Heisei Univ.*, 23, 199-213, 2012.
- 27) Chen F., Li J., Sugiyama H., Weng Y.-B., Zou F.-C., Lin R.-Q., Yuan Z.-G., Song H.-Q., Zhu X.-Q., Zhao G.-H. Comparative analysis of 18S and 28S rDNA sequences of *Schistosoma japonicum* from mainland China, the Philippines and Japan. *J. Anim. Vet. Adv.*, 10, 2010-2015, 2011.
- 28) Zhao G.-H., Li J., Chen F., Zou F.-C., Yang J.-F., Sugiyama H., Xu M.-J., Lin Q., Lin R.-Q., Zhu X.-Q. Variability in intron sequences of housekeeping and antigen-coding genes among *Schistosoma japonicum* isolates in mainland China. *Parasitol. Int.*, 60, 170-174, 2011.
- 29) Zhao G.-H., Blair D., Li X.-Y., Li J., Lin R.-Q., Zou F.-C., Sugiyama H., Mo X.-H., Yuan Z.-G., Song H.-Q., Zhu X.-Q. The ribosomal intergenic spacer (ITS) region in *Schistosoma japonicum*: structure and comparisons with related species. *Infect. Genet. Evol.*, 11, 610-617, 2011.
- 30) Furuya K., Sugiyama H., Ohta M., Nakamura S., Une Y., Sasaki S. Cerebral microsporidiosis caused by *Encephalitozoon cuniculi* infection in a young squirrel monkey. *J. Neuroparasitol.* 2, 1-5, 2011.
- 31) Sopunnarat W., Sugiyama H., Rangsiruji A. Morphological and molecular characterization of *Paragonimus paishuihoensis* from Chantaburi Province. *Srinakharinwirot Univ. Sci. J.*, 27, 193-206, 2011.
- 32) Yamasaki H., Ohmae H., Kuramochi T. Complete mitochondrial genomes of *Diplogonoporus balaenopterae* and *Diplogonoporus grandis* (Cestoda: Diphylobothriidae) and clarification of their taxonomic relationships. *Parasitol. Int.*, 61, 260-266, 2012.
- 33) Koonmee S., Intapan P.M., Yamasaki H., Sugiyama H., Muto M., Kuramochi T., Kularbkeaw J., Kanpittaya J., Maleewong W., Nawa Y. Molecular identification of a causative parasite species using formalin-fixed paraffin embedded (FFPE) tissues of a complicated human pulmonary sparganosis case without decisive clinical diagnosis. *Parasitol. Int.*, 60, 460-464, 2011.
- 34) Yamasaki H., Muto M., Yamada M., Arizono N., Rausch R.L. Validity of the bear tapeworm *Diphylobothrium ursi* (Cestoda: Diphylobothriidae) based on morphological and molecular markers. *J. Parasitol.*, 2012, in press.
- 35) Ikeda T., Tamura D., Sato Y., Ichihashi K., Matsuoka H., Yamasaki H. Two pediatric cases of *Diphylobothrium nihonkaiense* Infection in Summer 2010. *Pediatr. Int.*, 54, 163-165, 2012.
- 36) Ueno M., Kuroda N., Yahagi K., Ohtaki T., Kawanaka M. Analysis of antibody responses by commercial western blot assay in horses with alveolar echinococcosis. *J. Vet. Med. Sci.*, 76, 813-815, 2012.