

22 . Leprosy Research Center (Department of Mycobacteriology)

- 1) Mukai T., Maeda Y., Tamura T., Matsuoka M., Tsukamoto Y., and Makino M. 2010. Enhanced activation of T lymphocytes by urease-deficient recombinant Bacillus Calmette-Guérin producing heat shock protein 70-major membrane protein-II fusion protein. *J Immunol* 185:6234-6243.
- 2) Miyamoto Y., Mukai T., Naka T., Fujiwara N., Maeda Y., Kai M., Mizuno S., Yano I., and Makino M. 2010. Novel rhamnosyltransferase involved in biosynthesis of serovar 4-specific glycopeptidolipid from *Mycobacterium avium* complex. *J Bacteriol* 192:5700-5708.
- 3) Hayashi D., Takii T., Mukai T., Makino M., Yasuda E., Horita Y., Yamamoto R., Fujiwara A., Kanai K., Kondo M., Kawarazaki A., Yano I., Yamamoto S., and Onozaki K. 2010. Biochemical characteristics among *Mycobacterium bovis* BCG substrains. *FEMS Microbiol Lett* 306:103-109.
- 4) Yahagi A., Umemura M., Tamura T., Kariyone A., Begum M. D., Kawakami K., Okamoto Y., Hamada S., Oshiro K., Kohama H., Arakawa T., Ohara N., Takatsu K., and Matsuzaki G. 2010. Suppressed induction of mycobacterial antigen-specific Th1-type CD4⁺ T cells in the lung after pulmonary mycobacterial infection. *Int Immunol* 22:307-318.
- 5) Matsuoka M. 2010. Drug resistance in leprosy. *Jpn J Infect Dis* 63:1-7.
- 6) Watanabe T., Ohkusu K., Nakanaga K., Ishii N., Nakashima K., Shindo M., Yoshida Y., and Yamamoto O. 2010. Buruli ulcer caused by “ *Mycobacterium ulcerans* subsp. *shinshuense*”. *Eur J Dermatol* 20:809-810.
- 7) Komine-Aizawa S., Yamazaki T., Yamazaki T., Hattori S., Miyamoto Y., Yamamoto N., Haga S., Sugitani M., Honda M., Hayakawa S., and Yamamoto S. 2010. Influence of advanced age on *Mycobacterium bovis* BCG vaccination in guinea pigs aerogenically infected with *Mycobacterium tuberculosis*. *Clin Vaccine Immunol* 17:1500-1506.
- 8) Kobiyama K., Takeshita F., Jounai N., Sakaue-Sawano A., Miyawaki A., Ishii K. J., Kawai T., Sasaki S., Hirano H., Ishii N., Okuda K., and Suzuki K. 2010. Extra-chromosomal histone H2B mediates innate antiviral immune responses induced by intracellular double-stranded DNA. *J Virol* 84:822-32.
- 9) Akama T., Tanigawa K., Kawashima A., Wu H., Ishii N., and Suzuki K. 2010. Analysis of *Mycobacterium leprae* gene expression using DNA microarray. *Microb Pathog* 49:181-185.
- 10) Suzuki K., Takigawa W., Tanigawa K., Nakamura K., Ishido Y., Kawashima A., Wu H., Akama T., Sue M., Yoshihara A., Mori S., and Ishii N. 2010. Detection of *Mycobacterium leprae* DNA from archaeological skeletal remains in Japan using whole genome amplification and polymerase chain reaction. *PLoS ONE* 5:e12422.
- 11) Suzuki K., Udono T., Fujisawa M., Tanigawa K., Idani G., and Ishii N. 2010. Infection during infancy and long incubation period of leprosy suggested in the case of a chimpanzee used for medical research. *J Clin Microbiol* 48:3432-3434.
- 12) Matsuoka M. 2010. The history of *Mycobacterium leprae* Thai-53 strain. *Leprosy Rev* 81:137.
- 13) Matsuoka M. 2010. The history and characteristics of isolates maintained at the Leprosy Research Center. *Jpn J leprosy* 79:247-256.
- 14) Matsuoka M., Suzuki Y., Garcia I.E., Fafutis-Morris M., Vargas-González A., Carreño-Martinez C., Fukushima Y., and Nakajima C. 2010. Possible drug resistant leprosy is revealed by an analysis of samples from Mexico. *Jpn J Infect Dis* 63:412-416.
- 15) Kobiyama K., Jounai N., Ishii K.J., Horii T., Suzuki K., Ryo A., and Takeshita F. Modulation of intracellular signaling using protein transduction technology. *Crit Rev Immunol* 30: 395-421, 2010.
- 16) Akama T., Suzuki K., Tanigawa K., Nakamura K., Kawashima A., Wu H., Sue M., Yoshihara A., Ishido Y. and Ishii N. Whole-genome expression analysis of *Mycobacterium leprae* and its clinical application. *Jpn J Infect Dis* 63:387-392, 2010.
- 17) Tsukamoto Y., Endoh M., Mukai T., Maeda Y., Tamura T., Kai M., and Makino M. 2011. Immunostimulatory Activity of Major Membrane Protein II from *Mycobacterium tuberculosis*. *Clin Vac Immunol* 18:235-242.
- 18) Nakanaga K., Hoshino Y., Era Y., Matsumoto K., Kanazawa Y., Tomita A., Furuta M., Washizu M., Makino M., and Ishii N. 2011. Multiple cases of

cutaneous *Mycobacterium massiliense* infection in a “hot spa” in Japan. J Clin Microbiol 49:613-617.

- 19) Kai M., Nguyen P.N.H., Nguyen H.A., Pham T.H.B.D., Nguyen K.H., Miyamoto Y., Ymaeda Y., Fukutomi Y., Nakata N., Matsuoka M., Makino M., and Nguyen T.T. 2011. Analysis of drug-resistant strains of *Mycobacterium leprae* in an endemic area of Vietnam. Clin Infect Dis 52: e127-132.
- 20) Khin S. A., Matsuoka M, Kai M., Kyaw K., Win A. A., Shwe M. M., Thein M., Htoo M. M., and Htoon M. T. 2011. FTA Card Utility for PCR Detection of *Mycobacterium leprae*. Jap J Infect Dis 64: 246-248.