

22. Leprosy Research Center (Department of Mycobacteriology)

- 1) Nakanaga, K., T. Sekizuka, H. Fukano, Y. Sakakibara, F. Takeuchi, S. Wada, N. Ishii, M. Makino, M. Kuroda, and Y. Hoshino. 2013. Discrimination of *Mycobacterium* subsp. *massiliense* from *Mycobacterium abscessus* in clinical isolates by Multiplex PCR. *J. Clin. Microbiol.*, 52: 251-259.
- 2) Yamashita, Y., Y. Hoshino, M. Oka, S. Matsumoto, H. Ariga, H. Nagai, M. Makino, K. Ariyoshi, and Y. Tsunetsugu-Yokota. 2013. Multicolor flow cytometric analyses of CD4+ T cell responses to *Mycobacterium tuberculosis*-related latent antigens. *Jpn. J. Infect. Dis.*, 66: 207-215.
- 3) Kai, M., N. Nakata, M. Matsuoka, T. Sekizuka, M. Kuroda, and M. Makino. 2013. Characteristic mutations found in the ML0411 gene of *Mycobacterium leprae* isolated in Northeast Asian countries. *Infection, Genetics and Evolution*, 19: 200-204.
- 4) Wang, H., Y. Maeda, Y. Fukutomi, and M. Makino. 2013. An *in vitro* model of *Mycobacterium leprae* induced granuloma formation. *BMC Infectious Diseases*, 13: 279.
- 5) Nakanaga, K., R. R. Yotsu, Y. Hoshino, K. Suzuki, M. Makino, and N. Ishii. 2013. Buruli ulcer and Mycolactone-producing mycobacteria. *Jpn. J. Infect. Dis.*, 66: 83-88.
- 6) Nakanaga, K., Y. Hoshino, R. R. Yotsu, M. Makino, and N. Ishii. 2013. Laboratory procedures for the detection and identification of cutaneous non-tuberculous mycobacterial infections. *J. Dermatol.*, 40: 151-159.
- 7) Akama T., A. Kawashima, K. Tanigawa, M. Hayash, Y. Ishido, Y. Luo, A. Hata, N. Fujitani, N. Ishii, and K.Suzuki. 2013. Comprehensive analysis of prokaryotes in environmental water using DNA microarray analysis and whole genome amplification. *Pathogens*, 2: 591-605.
- 8) Kawashima A., K.Yamazaki, T. Hara, T. Akama, A. Yoshihara, M. Sue, K. Tanigawa, H. Wu, Y.Ishido, F. Takeshita, N. Ishii, K. Sato, K.Suzuki. 2013. Demonstration of innate immune responses in the thyroid gland: potential to sense danger and a possible trigger for autoimmune reactions. *Thyroid*, 23:477-487.
- 9) Uchida M, T. Ito, T. Nakamura, H. Igarashi, T. Oono, N. Fujimori, K. Kawabe, K. Suzuki, RT. Jensen, R. Takayanagi. 2013. ERK pathway and sheddases play an essential role in ethanol-induced CX3CL1 release in pancreatic stellate cells. *Lab Invest.*, 93:41-53.
- 10) Yamagata K, C. Nakayama, K. Suzuki. 2013. Dietary beta-carotene regulates interleukin-1beta-induced expression of apolipoprotein E in astrocytes isolated from stroke-prone spontaneously hypertensive rats. *Neurochem Int.*, 62:43-49.
- 11) Yamagata K, N. Tanaka, K.Suzuki. 2013. Epigallocatechin 3-gallate inhibits 7-ketocholesterol-induced monocyte- endothelial cell adhesion. *Microvasc Res.*, 88: 25-31.
- 12) Kobiyama K, A. Kawashima, N. Jounai, F. Takeshita, KJ. Ishii, T. Ito, K. Suzuki. 2013. Role of extrachromosomal histone H2B on recognition of DNA viruses and cell damage. *Front Genet.*, 4:91.
- 13) Veziris N., A. Chauffour, S. Escolano, S. Henquet, M. Matsuoka, V. Jarlier, A. Aubry. 2013. Resistance of *M. leprae* to quinolones: a question of relativity? *PLoS Neglected Tropical Diseases*.7: pe2440.
- 14) Ohtsuka M, N. Kikuchi, T. Yamamoto, T. Suzutani, K. Nakanaga, K. Suzuki, N. Ishii. 2014. Buruli ulcer caused by *Mycobacterium ulcerans* subsp. *shinshuense*: The first case of familial concurrent occurrence and detection of IS2404 from the environment in Japan. *JAMA Dermatology*, 150:64-67.
- 15) Tsukamoto, Y., Y. Maeda, T. Tamura, T. Mukai, and M. Makino. 2014. Polyclonal activation of naïve T cells by urease deficient-recombinant BCG that produced protein complex composed of heat shock protein 70, CysO and major membrane protein-II. *BMC Infect. Dis.*, 14: 179.
- 16) Mukai, T., Y. Tsukamoto, Y. Maeda, T. Tamura, and M. Makino. 2014. Efficient Activation of Human T Cells of Both CD4 and CD8 Subsets by Urease Deficient-Recombinant BCG that Produced a Heat Shock Protein 70-*M. tuberculosis*-Derived Major Membrane Protein II Fusion Protein. *Clin. Vaccine Immunol.*, 21: 1-11.
- 17) Singh P., A.J. Benjak, S. Carat, M. Kai, P Busso, C. Avanzi, A. Paniz-Mondolfi, C. Peter, K. Harshman, J. Rougemont, M. Matsuoka, S.T. Cole. 2014. Genome-wide re-sequencing of multidrug-resistant *Mycobacterium leprae* Airaku-3. *Clin. Microbiol. Infect.*, doi: 10.1111/1469-0691.12609.