



**KITASATO UNIVERSITY**

School of Medicine

Department of Microbiology & Parasitology

**Dr. Takeshi Sasahara**

PhD, ICD

1-15-1 Kitasato, Sagamihara, Kanagawa 228-8555, Japan

TEL : +81-42-778-8447 (Office), -9350 (Laboratory)

FAX : +81-42-778-8441

Cell : 090-8452-5355

E-mail : [ts011501@kitasato-u.ac.jp](mailto:ts011501@kitasato-u.ac.jp)

website : <http://www.kitasato-u.ac.jp>

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## BIOGRAPHY

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Takeshi Sasahara is an assistant professor at Kitasato University School of Medicine. He belongs to Department of Microbiology & Parasitology. His specialty is Environmental Microbiology and Infection Immunology. He has made numerous presentations and papers on his research at Japanese Association for Infectious Diseases and Japanese Society of Chemotherapy. In 2004, he presented his research paper entitled "Inactivation of *Cryptosporidium parvum* oocysts by copper ions" at J. J. A. Inf. D. 78(2):138-40 (in Japanese). He will begin to research for such inactivation efficacy of copper ions by using several kinds of copper tubes. His research interests include host defense in intestine against *Cryptosporidium parvum* infection and development of a new method of disinfecting of *Legionella* in hot springs.

### Paper presented in 2003-2004:

(1) Akahoshi T, Sasahara T, *et al.* Production of macrophage inflammatory protein 3 $\alpha$  and MIP 3 $\beta$  by human peripheral blood neutrophils in response to microbial pathogens. *Infect. Immun.* 71(1), 524-26, 2003.

(2) Sasahara T, *et al.* Effect of Mixed-oxidant solution on infectivity of *Cryptosporidium parvum* oocysts in a neonatal mouse model. *J. J. A. Inf. D.* 77(2):75-82, 2003 (in Japanese).

(3) Sasahara T., *et al.* Apoptosis of intestinal crypt epithelium after *Cryptosporidium parvum* infection. *J. Infect. Chemother.*, 9:278-281, 2003.

(4) Sasahara T., *et al.* Pretreatment of *Pseudomonas aeruginosa* with a sub-MIC of imipenem enhances bactericidal activity of neutrophils. *J. Infect. Chemother.*, 9:297-303, 2003.

(5) Sasahara T, *et al.* Disinfection of water to remove *Legionella* species: Evaluation of an antimicrobial ceramic. *J. J. A. Inf. D.* 78(1):22-31, 2004 (in Japanese).

(6) Sasahara T, *et al.* Inactivation of *Cryptosporidium parvum* oocysts by copper ions. *J. J. A. Inf. D.* 78(2):138-140, 2004 (in Japanese).

### Academic Qualification:

Ph. D. in Microbiology, 1982, Kitasato University, Sagamihara, Kanagawa

M. H. S. in Microbiology, 1978, Kitasato University, Sagamihara, Kanagawa

B. H. S. in Hygieneology, 1976, Kitasato University, Sagamihara, Kanagawa

### Licenses:

National License of Medical Technologist

Certified Infection Control doctor (ICD)