

NAME: Takayuki EZAKI

TITLE: Professor, Medical doctor, PhD

AFFILIATION:

Department of Microbiology

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## **EDUCATION**

1977 M.D. Gifu University School of Medicine

1982 PhD.. Gifu University Graduate School of Medicine

## **PROFESSIONAL EXPERIENCES:**

1982-1984 Teaching Assistance of Microbiology, Gifu University School of Medicine

1984-1990 Assistant Professor of Microbiology, Gifu University School of Medicine

1990- Professor of Microbiology, Advanced Medical Science, Gifu University Graduate School of Medicine

## **RESEARCH EXPERIENCES**

1979-1980: Virginia tech, Anaerobic laboratory, Visiting Scientist.

1984: Tokyo University Medical Science, Visiting Scientist

1986 : JICA Specialists in Kenya Medical Reseach Center, Kenya

1987: JICA Specialist in NIH, Thailand.

## **RESEARCH of INTEREST**

Molecular taxonomy of pathogenic microorganisms,  
Rapid diagnostic system of human infectious diseases,  
Genetic monitoring system of environmental bacteria

**PATENTS:** Eight patents.

### **COMMITTEES and Academic Societies**

IUMS Judicial committee (1999-)

IUMS Members of Streptococcus/Staphylococcus subcommittee

International Trustee of Bergy's manual

Committee of recombinant DNA, Ministry of Industry and Labor

Committee of US –Japan Joint meeting of Cholera and diarrheal diseases.

Advisory Committee of Recombinant DNA of Japanese Ministry of Industry and Labor.

Associate member of Japanese Academy of Science :Evolution and Biology

Vice-president of Japanese Society of Clinical Microbiology

Board member of Japanese Society of Bacteriology

Board member of Japanese Society of Infectious Diseases

Board member of Japan Society of Culture Collections

Member of National Academy of Japanese Scientists

Member of Japanese Society of Chemotherapy and Infectious Disease

Member of American Society of Microbiology

Member of British Society of Microbiology

Member of Japanese Society of Gene Diagnosis and Therapy

Member of Japanese Society of Biological Science in Space

### **AWARDS**

Kuroya Award(1982): Japanese Society for Microbiology

Kozakai Award (1986): Japanese Society for Clinical Pathology

Microbiology Award(2008): Japan Society for Culture Collection

**RECENT PUBLICATION(2007-2009) English Only.**

**Ezaki,T.** *Peptoniphilus*. Bergey's manual of systematic bacteriology. Vol. 3 . 2nd. Ed. Springer. 2009.

**Ezaki,T.** *Parvimonas*. Bergey's manual of systematic bacteriology. Vol. 3 . 2nd. Ed. Springer. 2009.

**Ezaki,T.** *Gallicola*. Bergey's manual of systematic bacteriology. Vol. 3 . 2nd. Ed. Springer. 2009.

**Ezaki,T.** *Fingoldia*. Bergey's manual of systematic bacteriology. Vol. 3 . 2nd. Ed. Springer. 2009.

**Ezaki,T.** *Anaerococcus*. Bergey's manual of systematic bacteriology. Vol. 3 . 2nd. Ed. Springer. 2009.

**Ezaki,T.** *Ruminococcus*. Bergey's manual of systematic bacteriology. Vol. 3 . 2nd. Ed. Springer. 2009.

**Ezaki,T.** *Peptostreptococcus*. Bergey's manual of systematic bacteriology. Vol. 3 . 2nd. Ed. Springer. 2009.

**Ezaki,T.** *Peptococcus*. Bergey's manual of systematic bacteriology. Vol. 3 . 2nd. Ed. Springer. 2009.

**Ezaki,T.** *Peptococcaceae*. Bergey's manual of systematic bacteriology. Vol. 3 . 2nd. Ed. Springer. 2009.

**Ezaki,T.** *Coprococcus*. Bergey's manual of systematic bacteriology. Vol. 3 . 2nd. Ed. Springer. 2009.

**Ezaki,T.** *Abitrophia*. Bergey's manual of systematic bacteriology. Vol. 3 . 2nd. Ed. Springer. 2009.

Baba,H., T. Nada, K.Onkusu, **T. Ezaki**, Y. Hasegawa, and D.L. Paterson. 2009. First Case of Bloodstream Infection Caused by *Rhodococcus erythropolis*. J. Clin. Microbiol. 47:2667-2669.

Deguchi,T., M. Yasuda,S. Yokoi, M. Nakano, S. Ito, K. Ohkusu,**T. Ezaki**, and S. Hoshina. 2009. Failure to detect *Mycoplasma genitalium* in the pharynges of female sex workers in Japan. J. Infect. Chemother. 15:410-413.

Ohtsuki,R., Kawamoto,K., Kato,Y., Sha, M.M., **Ezaki,T.**, and Makino,S-I. Rapid detection of *Brucella* spp. By the loop-mediated isothermal amplification method. J. Appl. Microbiol. 1-7.2008.

Okazaki M, Ohkusu K, Hata H, Ohnishi H, Sugawara K, Kawamura C, Fujiwara N, Matsumoto S, Nishiuchi Y, Toyoda K, Saito H, Yonetani S, Fukugawa Y, Yamamoto M, Wada H, Sejimo A, Ebina A, Goto H, **Ezaki T**, Watanabe T.2008. *Mycobacterium kyorinense* sp. nov., a novel slowly growing *Mycobacterium* sp. related to *Mycobacterium celatum* isolated from human clinical specimens. Int.J.Syst.Evol. Microbiol. 58: , 2008

Ohno T, Kishimoto W, Chihara D, Sakamoto T, Miyamoto K, Takeoka T, Tsuji M, Kida K, Ohkusu K, **Ezaki T**: First case report of sepsis caused by *Mycobacterium wolinskyi* in chronic myelogenous leukemia. Diag. Microbiol.Infect.Dis 62:433-436, 2008

Kuroki H, Miyamoto H, Fukuda K, Iihara H, Kawamura Y, Ogawa M, Wang Y, **Ezaki T**, Taniguchi H. *Legionella impletisoli* sp. nov. and *Legionella yabuuchiae* sp. nov., isolated from soils contaminated with industrial wastes in Japan. Systematic and Applied Microbiology 30: 273-279, 2007

Shah MM, Iihara H, Noda M, Sun X, Nhung PH, Ohkusu K, Kawamura Y, **Ezaki T**: dnaJ gene sequence-based assay for species identification and phylogenetic grouping in the genus *Staphylococcus*. International Journal of Systematic and Evolutionary Microbiology 57: 25-30, 2007

Masue N, Deguchi T, Yokoi S, Yamada T, Ohkusu K, **Ezaki T**: System for simultaneous detection of 16 pathogens related to urethritis to diagnose mixed infection. International Journal of Urology 14:39-42, 2007

Huang X, Xu H, Sun X, Ohkusu K, Kawamura Y, **Ezaki T**: Genome-wide scan of the gene expression kinetics of *Salmonella enterica* serovar *Typhi* during hyperosmotic stress. International Journal of Molecular Sciences 8: 116-135, 2007

Nhung PH, Shah MM, Ohkusu K, Noda M, Hata H, Sun X, Iihara H, Goto K, Masaki T, **Ezaki T**: dnaJ gene as a novel phylogenetic marker for identification of *Vibrio* species. Systematic and Applied Microbiology 30: 309-315, 2007

Nureki S, Miyazaki E, Matsuno O, Takenaka R, Ando M, Kumamoto T, Nakano, T, Ohkusu K, **Ezaki T**: *Corynebacterium ulcerans* infection of the lung mimicking the histology of Churg-Strauss syndrome. Chest 131: 1237-1239, 2007

Nhung PH, Ohkusu K, Mishima N, Noda M, Shah MM, Sun X, Hayashi M, **Ezaki T**: Phylogeny and species identification of the family *Enterobacteriaceae* based on dnaJ sequences. Diagnostic Microbiology and Infectious Disease 58: 153-161, 2007

Nhung PH, Hata H, Ohkusu K, Noda M, Shah MM, Goto K, **Ezaki T**: Novel phylogenetic marker dnaJ and DNA-DNA hybridization for clarifying interrelationships among the genus

*Aeromonas*. International Journal of Systematic and Evolutionary Microbiology 57: 1232-1237, 2007

Nhung PH, Ohkusu K, Miyasaka J, Sun XS, **Ezaki T**: Rapid and specific identification of 5 human pathogenic *Vibrio* species by multiplex polymerase chain reaction targeted to *dnaJ* gene. Diagnostic Microbiology and Infectious Disease 59: 271-275, 2007

Noda YM, Ohkusu K, Hata H, Shah MM, Nhung PH, Sun X, Hayashi M, **Ezaki T**: Mycobacterium species identification - A new approach via *dnaJ* gene sequencing. Systematic and Applied Microbiology 30: 453-462, 2007

Iihara H, Niwa T, Shah MM, Nhung PH, Sun XS, Hayashi M, Ohkusu K, Itoh Y, Makino S, **Ezaki T**: Rapid multiplex immunofluorescent assay to detect antibodies against *Burkholderia pseudomallei* and taxonomically closely related nonfermenters. Japanese Journal Infectious Disease 60: 230-234, 2007

Sakamoto M, Ohkusu K, Masaki T, Kato H, **Ezaki T**, Benno Y: *Prevotella pleuritidis* sp. nov., isolated from pleural fluid. International Journal of Systematic and Evolutionary Microbiology 57: 1725-1728, 2007

Funato M, Kaneko H, Matsui E, Teramoto T, Kato Z, Fukao T, Ohkusu K, Kondo N: Refractory osteomyelitis caused by bacille Calmette-Guérin vaccination: a case report. Diagnostic Microbiology and Infectious Disease 59: 89-91, 2007

Ichimura S, Nagano M, Ito N, Shimojima M, Egashira T, Miyamoto C, Ohkusu K, **Ezaki T**: Evaluation of the Invader assay with the BACTEC MGIT 960 system for prompt isolation and identification of Mycobacteria from clinical specimens. Journal of Clinical Microbiology 45: 3316-3322, 2007