

JSCC the 19th Annual Meeting

Date: June 27 (Wed) – 29 (Fri)

Venue: Kazusa Akademia Hall (2-3-9, Kazusakamatari, Kisarazu, Chiba, Japan)

To Kazusa Arc by Highway Bus from Tokyo Station Yaesu Gate (approx. 1 hr)

<http://www.kap.co.jp/english/>

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c/o NITE Biological Resource Center (NBRC)

National Institute of Technology and Evaluation

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Timetable:

June 27 (Wed)

13:00 – 14:30	Editorial Board meeting	Room 101
14:30 – 16:00	Culture collection committee	Room 101
16:00 – 18:00	Executive board meeting	Room 101

June 28 (Thu)

9:20 – 9:30	Opening remarks	Room 201
9:30 – 10:50	JSCC Practical Workshop	Room 201
11:00 – 12:00	Oral presentation	Room 201
13:00 – 14:15	Oral presentation	Room 201
14:15 – 15:00	Poster presentation	Room 202B
15:15 – 16:00	General Assembly	Room 201
16:00 – 18:00	JSCC Award Lecture	Room 201
18:15 – 20:00	Banquet	Restaurant Suzugen

Program

[JSCC Practical Workshop] (28 June, 9:30-10:50) Room 201

[Oral presentation] (28 June, 11:00-12:00, 13:00-14:15) Room 201

O-1 (11:00-11:15)

Introduction of cryopreservation method for basidiomycete cultures by perlite protocol and report of improvements for this method

Masanori Sato¹, Junji Sukenobe¹ and Akira Nakagiri²

¹NITE Patent Microorganisms Depository (NPMD), National Institute of Technology and Evaluation, ² Faculty of Agriculture, Tottori University

O-2 (11:15-11:30)

Classification and antifungal susceptibility of *Aspergillus fumigatus* and relatives

Takashi Yaguchi, Yumi Imanishi, Tetsuhiro Matsuzawa and Reiko Tanaka
Medical Mycology Research Center, Chiba University

O-3 (11:30-11:45)

Re-identification of UTEX and SAG strains previously assigned to the type species of *Chloromonas* (Volvocales, Chlorophyceae)

Ryo Matsuzaki¹, Yoshiaki Hara² and Hisayoshi Nozaki¹

¹ Department of Biological Sciences, Graduate School of Science, University of Tokyo, ² Department of Biology, Faculty of Sciences, Yamagata University

O-4 (11:45-12:00)

Novel bacterial endosymbionts “MIDORIKO” (Rickettsiaceae) infecting green algal cells

Kaoru Kawafune¹, Yuichi Hongoh², Takashi Hamaji³ and Hisayoshi Nozaki¹

¹Department of Biological Sciences, Graduate School of Science, University of Tokyo, ²Department of Biological Sciences, School of Bioscience and Biotechnology, Tokyo Institute of Technology, ³Department of Botany, Graduate School of Science, Kyoto University

O-5 (13:00-13:15)

Microbial flora in the process of *Sendango* production

Koichi Kumagai¹, Naoto Tanaka², Eiichi Satoh¹ and Sanae Okada¹

¹Department of Applied Biology and Chemistry, Faculty of Applied Biosciences,

Tokyo University of Agriculture, ²NRIC, Tokyo University of Agriculture

O-6 (13:15-13:30)

Isolation and characterization of "*Dehalococcoides*" sp. strain UCH007

Yoshihito Uchino¹, Atsushi Yamazoe¹, Koji Mori¹, Yukiyo Fukunaga¹, Yoshio Inoue¹,
Yoh Takahata², Masako Ito², Masao Fukuda³, Ken-ichiro Suzuki¹, Nobuyuki Fujita¹
¹ NITE Biological Resource Center (NBRC), National Institute of Technology and
Evaluation, ² Taisei Corporation, ³ Nagaoka University of Technology

O-7 (13:30-13:45)

**Isolation of a novel microaerobic chemolithoautotrophic iron-oxidizing
bacterium from a freshwater iron-rich microbial mat**

Shingo Kato, Takashi Itoh and Moriya Ohkuma
Japan Collection of Microorganisms (JCM), RIKEN BioResource Center

O-8 (13:45-14:00)

**Aceticlastic and marine methanogen "*Methanosaeta pelagica*" isolated from
marine tidal flat sediment**

Koji Mori¹, Takao Iino², Ken-ichiro Suzuki¹, Kaoru Yamaguchi¹, Yoichi Kamagata^{3,4}
¹NITE Biological Resource Center (NBRC), National Institute of Technology and
Evaluation, ²Japan Collection of Microorganisms (JCM), RIKEN BioResource
Center, ³National Institute of Advanced Industrial Science and Technology,
⁴Research Faculty of Agriculture, Hokkaido University

O-9 (14:00-14:15)

Establishment of effective system for lead discovery – A proposal

Toru Okuda
Mycology & Metabolic Diversity Research Center, Tamagawa University Research
Institute

[Poster presentation] (June 28 14:15-15:00)

Room 202B

P-1

**Reclassification of *Xylanibacter oryzae* (Ueki et al. 2006) as *Prevotella oryzae*
comb. nov.**

Mitsuo Sakamoto and Moriya Ohkuma
Japan Collection of Microorganisms (JCM), RIKEN BioResource Center

P-2

Defective bacteriophages produced by natto starters [*Bacillus subtilis* (*natto*)]

Toshirou Nagai, Keisuke Tomioka, Hiroyuki Sawada, Takayuki Aoki and Toyozo Sato

Genetic Resources Center, National Institute of Agrobiological Sciences

P-3

Siderophore produced by *Stenotrophomonas maltophilia*

Yuki Izumi¹, Naoto Tanaka², Eiichi Satoh¹ and Sanae Okada¹

¹Department of Applied Biology and Chemistry, Faculty of Applied Biosciences, Tokyo University of Agriculture, ²NRIC, Tokyo University of Agriculture

P-4

Estimation of MALDI-TOFMS identification in the genus *Gluconobacter*

Yuki Muramatsu, Masako Sugimoto, Mayumi Yoshino, Ken-ichiro Suzuki, Yasuyoshi Nakagawa

NITE Biological Resource Center (NBRC), National Institute of Technology and Evaluation

P-5

***Parabacteroides chinchillae* sp. nov., isolated from chinchilla (*Chinchilla lanigera*) faeces**

Maki Kitahara¹, Mitsuo Sakamoto¹, Sayaka Tsuchida², Koh Kawasumi², Hiromi Amao², Yoshimi Benno³ and Moriya Ohkuma¹

¹Japan Collection of Microorganisms (JCM), RIKEN BioResource Center,

²Laboratory of experimental animal science, Nippon Veterinary and Life Science University, ³Benno Laboratory, RIKEN Innovation Center

P-6

Diversity of Actinomycetes isolated in Mongolia

Kozue Anzai¹, Misa Otoguro¹, Marjangul Nurimkhan², Damdinsuren Daram², Ochirbat Enkhtuya², Mayuko Sukisaki¹, Tsetseg Balijanova² and Katsuhiko Ando¹

¹NITE Biological Resource Center (NBRC), National Institute of Technology and Evaluation

P-7

Mating behaviors of *Candida albicans* clinical isolates

Yumi Imanishi¹, Houmin Li^{1,2,4}, Reiko Tanaka¹, Ruoyu Li^{3,4} and Takashi Yaguchi¹

¹Medical Mycology Research Center, Chiba University, ²Department of Dermatology, Peking University People's Hospital, ³Department of Dermatology, Peking University First Hospital, ⁴Research Center for Medical Mycology

P-8

On the spore germination characterized by its morphological change and UV sensitivity in two species of *Phycomyces*

Katsuhiko Sasaki and Atsushi Miyazaki

Department of Basic Sciences, Faculty of Science and Engineering, Ishinomaki Senshu University

P-9

Isolation, classification and provision of Vietnamese fungi

Yasuhisa Tsurumi¹, Le Thi Hoang Yen², Shigeki Inaba¹, Sayaka Ban¹, Reiko Suzuki¹, Tomoaki Kamijo¹, Duong Van Hop² and Katsuhiko Ando

¹NITE Biological Resource Center (NBRC), National Institute of Technology and Evaluation, ²Vietnam National University, Hanoi (VNUH)

P-10

A long-term preservation technique with vapor phase of liquid nitrogen for obligate parasites, albuginaceous fungi

Toyozo Sato¹, Shihomi Uzuhashi², Keisuke Tomioka¹, Hiromi Nakajima¹, Hiroyuki Sawada¹, Toshiro Nagai¹ and Takayuki Aoki¹

¹National Institute Agrobiological Sciences, ²Saskatoon Research Centre, Agriculture Agri-food Canada

P-11

Promotion activities of microorganisms for educational use in NBRC

Shigeki Inaba, Atsushi Yamazaki, Mika Miyashita, Kazuko Yoshida, Norihiro Kushida and Ken-ichiro Suzuki

NITE Biological Resource Center (NBRC), National Institute of Technology and Evaluation

P-12

Plant viruses and viroids in the NIAS Genebank Project, Japan

Keisuke Tomioka, Toyozo Sato, Kaoru Hanada, Fukuhiro Yamasaki, Toshirou Nagai, Hiroyuki Sawada, Masaru Takeya and Takayuki Aoki
National Institute of Agrobiological Sciences (NIAS)

P-13

Research publications by the use of JCM

Moriya Ohkuma
Japan Collection of Microorganisms (JCM), RIKEN BioResource Center

P-14

Activities of the NIAS Genebank Project in 2011

Hiroyuki Sawada, Takayuki Aoki, Toyozo Sato, Keisuke Tomioka, Toshirou Nagai, Masaru Takeya, Fukuhiro Yamasaki, Hiromi Nakajima, Midori Kumagai and Makoto Kawase
National Institute of Agrobiological Sciences (NIAS)

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Report of NBRC activities in 2011

Hitoe Fukawa, Yayoi Sakiyama, Junya Seita, Katsutoshi Fujita, Yasuyoshi Nakagawa, Kazumi Sagisaka, Ken-ichiro Suzuki and Junichi Nakagawa
NITE Biological Resource Center (NBRC), National Institute of Technology and Evaluation

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Activities of JCM in 2011FY

Yumi Oshida, Yoshimasa Kosako, Motofumi Suzuki, Gen Okada, Masako Takashima, Takuji Kudo, Takashi Itoh, Toshiya Iida, Tsutomu Oowada, Mitsuo Sakamoto, Maki Kitahara, Takao Iino, Kwang-Deuk An, Kayo Kusaoke and Moriya Ohkuma
Japan Collection of Microorganisms (JCM), RIKEN BioResource Center

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Collection, preservation and distribution of pathogenic fungi and

actinomycetes

Takashi Yaguchi, Reiko Tanaka, Junko Ito, Katsuhiko Kamei and Tohru Gono
Medical Mycology Research Center, Chiba University

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Opening and distribution of fungal collection (TUFC strains) to the public from Fungus/Mushroom Resource and Research Center (FMRC), Tottori University

Kozue Sotome, Takashi Shirouzu, Shuji Ushijima, Akira Nakagiri and Nitaro Maekawa

Fungus/Mushroom Resource and Research Center (FMRC), Faculty of Agriculture, Tottori University

P-19

Activity of GTC Collection toward NBRP 3rd period

Takayuki Ezaki, Masahiro Hayashi, Takuya Mizuno and Kiyofumi Ohokusu
Pathogenic Microorganism Genetic Resource Stock Center, Gifu Graduate School of Medicine

P-20

NBRP Algae -collection and preservation of various algal resources-

Masanobu Kawachi¹, Fumie Kasai¹, Hiroshi Kawai², Takeaki Hanyuda², Takahiro Yamagishi², Isao Inouye³, Ken-ichiro Ishida³, Takeshi Nakayama³, Makoto M. Watanabe³ and Kazuhiro Kogame⁴

¹National Institute for Environmental Studies, ²Kobe University, ³University of Tsukuba, ⁴Hokkaido University

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Activities of NIES algal collection in 2011 and the future visions

Masanobu Kawachi¹, Fumie Kasai¹, Mayumi Erata², Fumi Mori², Kosei Yumoto², Mayumi Sato² and Miwa Ishimoto²

¹National Institute for Environmental Studies, ²Global Environmental Forum

[JSCC Award Lectures] (June 28, 16:00-18:00)

Room 201

JSCC Award (16:00-17:00)

Life with microbes

Katsuhiko ANDO

NITE Biological Resource Center (NBRC), National Institute of Technology and Evaluation

JSCC Award for Young Scientists (17:00-18:00)

The cultivation and the taxonomic characterization of uncultured microorganisms from hot spring- and marine-associated samples

Takao Iino

Japan Collection of Microorganisms (JCM), RIKEN BioResource Center

Characterization of actinomycetes-like bacteria belonging to the class *Ktedonobacteria* in the phylum *Chloroflexi*

Shuhei Yabe

Kennan Eisei Kogyo, Co., Ltd. Hazaka Plant Res. Center

[Symposium] (June 29, 9:00-12:00)

Room 201

Standard microbes and culture collections Convener: Ken-ichiro Suzuki

Keynote Lecture (9:10-10:00)

Standard material of viable cells essential for rational validation of microbiological methods

Hideaki Matsuoka

Cell Engineering Laboratory, Department of Biotechnology and Life Science, Tokyo University of Agriculture and Technology

S-1 (10:00-10:30)

Measurements and Reference Materials-Physical Measurements, Chemical Analysis and Microbial Measurements-

Akiko Takatsu

National Institute of Advanced Industrial Science and Technology (AIST)

S-2 (10:30-11:00)

Quality control for pathogenic GTC strains with MALDI-TOF-MAS

Takayuki Ezaki, Masahiro Hayashi, Takuya Mizuno and Kiyofumi Ohokusu

Pathogenic Microorganism Genetic Resource Stock Center Gifu Graduate School

of Medicine

S-3 (11:00-11:30)

Relationship between culture collections and testing laboratories

Hiroshi Baba

Japan Food Research Laboratories

S-4 (11:30-12:00)

Quality control of bacterial collections in the NBRC

Yasuyoshi Nakagawa, Yuki Muramatsu, Mika Miyashita, Masako Sugimoto,
Mayumi Yoshino, Yuki Kamakura and Ken-ichiro Suzuki

NITE Biological Resource Center (NBRC), National Institute of Technology and
Evaluation