11th Young Scientist Seminar

“Establishment of Internation Research Network for Tropical Bioresources and Their Utilization”

First Circular

16th – 17th November 2015

(Yamaguchi Prefectural Seminar Park, Yamaguchi-Japan)

Organized by :

Yamaguchi University

In Association with:

Japan Society for the Promotion of Science (JSPS)
National Research Council of Thailand (NRCT)
Vietnam Ministry of Science & Technology (MOST)
Yamaguchi University (JAPAN)
Can Tho University (VIETNAM)
National University of Laos (LAOS)
Brawijaya University (INDONESIA)
Beuth University of Applied Sciences (GERMANY)
The University of Manchester (UNITED KINGDOM)

Invitation

On behalf of the Organizing Committee, we are pleased to invite you to the 11th Young Scientist Seminar (YSS) in Yamaguchi, Japan. This seminar will be held on 16th – 17th Nov 2015. The YSS aims to establish the international network among young researchers including students, to broaden their knowledge about recent development in scientific field around the world.

Venue

The 11th YSS will be held at the Yamaguchi-ken Seminar Park, Yamaguchi, Japan. This is a prefectural facility to provide a wonderful environment to meet with colleagues in a relaxing atmosphere.

Yamaguchi prefecture is located in the westernmost tip of Honshu island, the 2nd most populous island in the world. Because of its geographical location and ocean current, it has long had cultural exchanges with the Korean Peninsula.

Yamaguchi city is situated in the center of the prefecture. It has been long called “Kyoto of the West” due to its cultural similarities with Kyoto, the capital of Japan in the 14th centure.

The temperature in November ranges from 5°C in the morning to 17°C in the afternoon.

Organization Committe

Chairperson	Akhmad Rivai
General manager	Masaki Kondo
Financial manager	Tatumi Tuji
Transportation	Naoya Senoguchi
Audio visual and placement	Shunya Hasegawa
Registration	Kouki Tsukihara
	Kazuki Yamamoto
Abstract	Kyoko Ikeda
	Satoshi Nishihara
Secretariat	Ms. Naoko Miyaji

Sessions

The scientific program is composed of plenary, parallel and discussion session

Scope

The scientific scope of the seminar follows most of the well received features of the previous events not only in the area of utilization of tropical bioresources but also in the biological field.

Advisory Committee

General Coordinators

Prof. Dr. Kazunobu Matsushita
Dr. Napavarn Noparatnaraporn
Prof. Dr. Vo-Tong Xuan

Coordinators

Prof. Dr. Mamoru Yamada
Assoc. Prof. Dr. Gunjana Teeragool
Dr. Ngo Thi Phuong Dung
Assoc. Prof. Dr. Somchanh Bounphanmys
Dr. Anton Muhibuddin
Prof. Dr. Ing. Peter Gotz
Prof. Dr. Colin Webb

Committee members

Prof. Dr. Shinichi Ito
Assoc. Prof. Dr. Toshiharu Yakushi
Prof. Dr. Ken Maeda
Prof. Dr. Kenji Matsui
Assoc. Prof. Dr. Hisashi Hoshida
Prof. Dr. Osami Misumi
Prof. Dr. Hiroshi Matsuno
Assist. Prof. Dr. Tomoyuki Kosaka
Assoc. Prof. Dr. Takaya Higuchi
Assist. Prof. Dr. Naoya Kataoka
Prof. Dr. Tuyoshi Imai

Language of the Seminar

The official language of the Seminar is English and no translation facilities are available.

Seminar Theme

Establishment of international research network for tropical bioresources and their utilization

Social Program

An icebreaker party will be taken place in the evening of the 16th Nov, 2015

Insurance

All delegates are advised to take out their own health and life insurance for the duration of the Seminar.

Important Dates

Deadline for submission of the registration form: 15th Aug 2015
Deadline for submission of the abstract : 16th Sep 2015

* Please submit your abstract before deadline. If you need to correct your abstract after the deadline, please inform us by E-mail, but not later than the end of September.

When send the registration form (Excel file)
Please write [Registration form of 11th YSS, laboratory name, Country] as the E-mail title.
For example, Registration form of 11th YSS, Genome, japan

When send the abstract (Word file)
Please write [Abstract of 11th YSS, laboratory name, Country] as the E-mail title
For example, Abstract of 11th YSS, Genome, japan

Reply to

Ms. Kyoko Ikeda

Graduate school of Science and Engineering, Yamaguchi University, 2-16-1 Tokiwadai
Ube-shi Yamaguchi, 755-8611, Japan
E-mail: ikeda@yucivil.onmicrosoft.com

Notice of acceptance of abstracts : 7th October 2015

Instruction of Registration form

Laboratory name	
Name	First name, Middle name, Last name
Gender	Male or Female
Nationality	
Passport No.	Please attach your passport as a PDF file on the E-mail if you come from outside of Japan.
University	
Department	
Position	Fill in your abbreviated title.

Abbreviated Title		Position
Prof.	for	Professor
Assoc. Prof.	for	Associate Professor
Assist. Prof.	for	Assistant Professor
Lect.	for	Lecturer
Res.	for	Researcher
D3	for	Doctor 3rd year
D2	for	Doctor 2nd year
D1	for	Doctor 1st year
M2	for	Master 2nd year
M1	for	Master 1st year
B4	for	Bachelor 4th year
O	for	others

Presentation	If you have a presentation, please write “yes”. If you haven’t any presentation, please write “no”.
Breakfast	Choose breakfast on the 2nd day.

Breakfast	
Western style	Japanese style
no	yes

Food allergies or dietary restrictions	If you have any food allergies or dietary restrictions, please write.
E-mail	

Remark;

Important Deadline

Submission of registration form: 15th August 2015

The 10th Young Scientist Seminar (16th-17th November, 2013)

Abstract format

The following format is required:

1. **A single page**. Adjust single line spacing.
2. Typewritten on an **A4** paper with margin as follows:
    - Top margin **1.0 inch**
    - Bottom margin **1.0 inch**
    - Left margin **1.5 inch**
    - Right margin **1.0 inch**
3. Use **Times** or **Times New Roman**
4. For Title, use bold letters in size 14 pt and align centre.
5. For Authors and their addresses, use bold letters in size 10 ptand italic letters in size 10 pt, respectively, and align left.
6. For Text, use font 12 pt.
7. File name: Please use your full name for the abstract file name.

   For example, Toshitaka_FUNAHASHI.doc
   Toshitaka_FUNAHASHI.docx

Oral presentation

1. **Invited speaker :** The duration of oral presentation is 25 minutes, and discussion is 5 minutes.

2. **Participant :** The duration of oral presentation is 10 minutes, and discussion is 5 minutes in group discussion.

Remark;

Important Deadline

Submission of abstract: 16th September 2015

TITLE ....

(Authors) ……………………..[1], …………………………[2], …………………[3] and…………………[4]
(Addresses)[1] ……………………….,[2] …………………….., [3] ………………………., [4] …………………

....
....
....
....
....
....
....

....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....
....

The sample of abstract

Enhanced protein production by using intron sequences in the yeast *Saccharomyces cerevisiae*

Masaki Kondo [1], Takahumi Kobayashi[1], Hisashi Hoshida[1], Rinji Akada [1]

[1]Dept. App. Mol. Biosci., Grad. Sch. Med., Yamaguchi Univ.

In previous study, genome-wide analysis revealed that *Saccharomyces cerevisiae Δsnt309* strain produced a secrtory protein *yCLuc* by 5.7-fold higher than wild type. *SNT309* encodes a subunit protein of NineTeencomplex which is involved in splicing of nucler RNAs via splisesome. To examine the relationship between splicing and protein expression, an intron sequence was introduced into *yCLuc* and the secreted activity was measured. The *yCLuc* containing the intron showed 30-fold higher activity than wild type, indicating that intron has an ability to enhance gene expression. In this study we investigated that the effect of the introns, which located at 5'-untlanslated region (5'UTR), on gene expression.

We searched introns located at around 5'UTR in *S. cerevisiae* genome and found 3 promoters which have an intron in the 5'UTR and a gene which has an intron just behind the start codon ATG. They are called intron promoter hereafter. If the promoters with intron showed high activity, they are convenient for recombinant protein production. The 4 intron promoters found in *S. cerevisiae* genome were used for *yCLuc* expression. The activities were 3~7-fold higher than the case of *TDH3* promoter, which is well-known constitutive strong promoter. Deletion of the intron in the intron promoters decreased *yCLuc* activities, indicating that the introns are important for high-expression activity of the intron promoters.

We hypothesized that chimeric promoters consisting of a strong promoter without intron and an intron promoter shows further higher activity. To test this hypothesis *TDH3* promoter and *RPS25A* promoter, one of the intron promoters, are joined at vorious positions and resulting chimera promoters were used for *yCLuc* expression. The chimera promoter consisting of the *TDH3* promoter to -1 position and *RPS25A* intron with 16-bp flanking sequence showed the highest activities and it was 50-fold higher than *TDH3* promoter. The chimera promoter using the galactose inducible *GAL10* promoter was also constructed. The *GAL10-RPS25A* intron chimera promoter showed 8.5-fold higher activity than *GAL10p* promoter in galactose condision but did not work in glucose condition. These results indicate that introns enhance gene expresion in *S. cerevisiae*.