

INBIOSIS SEMINAR SERIES (12)



Current Development of Phytochemical Genomics

by

Prof. Dr. Kazuki Saito

RIKEN Plant Science Center,
Yokohama, Japan

12th January 2010 (Tuesday)

2.30 pm ~ 4.30 pm

Institute of Systems Biology (INBIOSIS)
Universiti Kebangsaan Malaysia



TENTATIVE SCHEDULE

12/01/2010 (Tuesday)

2:30 pm – 2:45 pm
Registration

2:45 pm – 3:00 pm
Welcome Speech

3:00 pm – 4:00 pm
Seminar : Current Development of Phytochemical Genomics

4:00 pm – 4:30 pm
*Conclusion, Q&A and Wrap-up
Tea Break*



Prof. Dr. Kazuki Saito

Group Director:

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Professor:

Department of Molecular
Biology and Biotechnology
Graduate School of Pharmaceutical Sciences, Chiba
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Experiences:

🌿 April 1999 – 2001, 2003 – 2005:

Director, Research Center of Medicinal Resources,
Graduate School of Pharmaceutical Sciences, Chiba
University

🌿 October 2002 – present:

Special Guest Researcher, Kazusa DNA Research Institute
Kisarazu, Japan

🌿 January 2004 – 2005:

Principal Guest Investigator, Plant Science Center, RIKEN
Yokohama, Japan

🌿 April 2005 – present:

Group Director, Plant Science Center, RIKEN
Yokohama, Japan

🌿 April 2008 – present:

Vice Dean, Graduate School of Pharmaceutical Sciences,
Chiba University

Research Areas:

Phytochemical, Biotechnology, Molecular Biology, Plant
Tissue Culture, Plant Cell

Abstract

Current Development of Phytochemical Genomics

Plants produce an estimated 200,000 secondary metabolites with a vast range of functional and structural diversity. This chemical diversity is due to the multiplicity of the genes in plant genomes. The study of functional genomics based on genomics, transcriptomics and metabolomics is a powerful tool for decoding gene function involved in secondary metabolism in genome-sequenced plants. In particular, substantial progress has been made in *Arabidopsis thaliana* because of its publicly-available biological materials and genome-related information. A similar strategy can in principle be employed even with exotic plants from which a complete or extensive genomic sequence is not readily available. This review describes the considerable contribution of plant genomics including transcriptomics, metabolomics and bioinformatics toward an integrative understanding of plant natural products biosynthesis in sequenced and unsequenced plants.

Registration Form
(INBIOSIS Seminar Series 12)

Name : _____
Institution : _____
Address : _____
Tel No. : _____
Fax No. : _____
Email : _____

Seminar Fees: **RM10.00** (*Seminar fee covers seminar material & tea*)

Attendance confirmation should be made before **11 Jan 2010 (Mon)** and sent to

Institute of Systems Biology
Universiti Kebangsaan Malaysia
43600 UKM Bangi or
faxed to 03-8921 3398

**As places are limited, early registration is recommended.*

Enquires

For more information please contact:

03 8921 4558 / 03 8921 4549

(Nur Hasrina Mohar / General)

Or email:

inbiosis.seminar.series@gmail.com / rina@ukm.my

Bukit Melati Residential Area

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Kolej Keris Mas



Unit Kenderaan



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Postguard

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