

Poster Presentation

Okazaki Biology Conference, OBC 5 on

"Speciation and Adaptation - Ecological Genomics of Model Organisms and Beyond - "

March 11 -16, 2007

P01

" Evolution of *hydra*, a Recently Evolved Testis-Specific Gene with Nine Alternative First Exons in *Drosophila melanogaster* "

YANG, Hsiao-Pei (Cornell University, USA)

P02

" Genetic Basis of Adaptive Evolution of Mirror-Image Snails under Developmental Constraint "

ASAMI, Takahiro (Shinshu University, Japan)

P03

" Plant Responses to Abiotic Stress at Range Margins "

VERGEER, Philippine (University of Leeds, UK)

P04

" Effects of Seed Dormancy and Germination on Sex Allocation Bias in Hermaphroditic Plants: Theory and a Test in *Commelina* "

TSUCHIMATSU, Takashi (The University of Tokyo, Japan)

P05

" Parallel Evolution of Adaptation: FRIGIDA Regulates Natural Variation in Flowering Behavior in Selfing and Outcrossing Arabidopsis Species but with Different Kinds of Mutations "

KUITTINEN, Helmi (University of Oulu, Finland)

P06

" Genetic Analysis of a Intra-Species Unilateral Incompatibility in *Brassica rapa* "

TAKADA, Yoshinobu (Tohoku University, Japan)

P07

" Natural Variation of Flowering-Time in *Arabidopsis thaliana* "

KOBAYASHI, Yasushi (Max Planck Institute for Developmental Biology, Germany)

P08

" Suppression of Gene Expression of a Recessive *SP11/SCR* Allele by an Untranscribed *SP11/SCR* Allele on Same and Different Chromosomes in *Brassica* Self-Incompatibility "

FUJIMOTO, Ryo (National Institute of Genetics, Japan)

P09

" Divergence Population Genomics in Two Plant Systems with Alternative Population Structures: *Arabidopsis lyrata petraea* (European Rock Cress) and the Hawaiian Silversword Alliance Adaptive Radiation (Asteraceae) "

LAWTON-RAUH, Amy L. (Clemson University, USA)

P10

" Gene for Cocoon Color: Genomic Structure of a Carotenoid-Binding Protein of the Silkworm (*Bombyx mori*) "

SAKUDOH, Takashi (The University of Tokyo, Japan)

P11

" Dimorphism in Trichome Production in *Arabidopsis halleri* subsp. *gemmifera*: Its Genetic Basis and Adaptive Significance "

KAWAGOE, Tetsuhiro (Kobe University, Japan)

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" Toward Identification of Functionally Important Domains of FT Protein "

KOBAYASHI, Masaki (Kyoto University, Japan)

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" Three Lessons about Speciation from Trans-Specific Polymorphism "

IGIC, Boris (University of Illinois, Chicago, USA)

P14

" The Different Pattern of Elongation Rate of Pollen Tube between *Hemerocallis fulva* and *H. citrina* "

YASUMOTO, Akiko A. (Kyushu University, Japan)

P15

" Genome-Scan to Detect Genetic Structure and Adaptive Genes of Natural Populations of *Cryptomeria japonica* "

TSUMURA, Yoshihiko (Forestry and Forest Research Products Institute, Japan)

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" Did Ancient Allotetraploid Formation Accelerate Speciation and Diversification in Asian *Mitella* (Saxifragaceae)? "

OKUYAMA, Yudai (Kyoto University, Japan)

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" Direct Interactions of Receptor-Like Proteins Coordinate Organ Growth and Epidermal Patterning "

KANAOKA, Masahiro M. (University of Washington, USA)

P18

" Transposons, Gene Duplications and Generation of Floricultural Varieties Observed in the Morning Glories during Domestication "

HOSHINO, Atsushi (National Institute for Basic Biology, Japan)

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" Detection of Pairs of Interactive Reproductive Barriers within Gametophyte or Zygote "

HARUSHIMA, Yoshiaki (National Institute of Genetics, Japan)

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" 'SINE Code' is an Excellent Tool for Identification of *Oryza* Species "

OHTSUBO, Hisako (The University of Tokyo, Japan)

P21

" Adaptive Radiation along Water-Usage Gradient in the Genus *Cardamine*: Genomic and Genetic Studies of Ecological Traits "

SHIMIZU-INATSUGI, Rie (University of Zurich, Switzerland)

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" Analysis of the Molecular Mechanism Generating Diversity in Flowering Time in Rice "

TAKAHASHI, Yasuyuki (Nara Institute of Science and Technology, Japan)

P23

" Untangling Complex Histories of Genome Mergings in High Polyploids "

BRYSTING, Anne K. (University of Oslo, Norway)

P24

" Evaluation for Genetic Robustness in the Machinery of Period Determination of the Cyanobacterial Circadian Clock "

OYAMA, Tokitaka (Nagoya University, Japan)

P25

" Leaf Size and Ploidy Level: Why Tetraploid Plants Are Larger and More Vigorous than Diploids? "

TSUKAYA, Hirokazu (The University of Tokyo, Japan)

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" Network Motifs Organizing Spatio-Temporal Gene Expression Dynamics Leading to Diverse Body Plans "

FUJIMOTO, Koichi (Japan Science and Technology Agency, and The University of Tokyo, Japan)

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" Differentiated Chromosomal Segments Selected by Domestication or Adaptation "

ISHIKAWA, Ryuji (Hirosaki University, Japan)

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" Robustness and Phenotypic Variation in Lepidoptera Wing "

SUZUKI, Takao (RIKEN Center for Developmental Biology (CDB), Japan)

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" Explore Natural Variation and Dynamic Response of MAPK Signaling in the Budding Yeast, *Saccharomyces cerevisia* "

HIRATE, Yoshikazu (Fred Hutchinson Cancer Research Center, USA)

P30

" Genome-Wide Screening of Unneutral Polymorphic Genes in *Arabidopsis thaliana*: Based on Bimodal Expression Level Polymorphism "

NAGANO, Atsushi J. (Kyoto University, Japan)

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" Structure of Regulatory Network and Diversity of Cell Types "

MOCHIZUKI, Atsushi (National Institute for Basic Biology)

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" Diversity and Geographic Variation of Phyllosphere Fungi in Leaves of *Kalopanax pictus* "

TAKEUCHI, Yayoi (Research Institute for Humanity and Nature, Japan)

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" Disruption of Genetic Interaction between Two Autosomal Regions and the X Chromosome Causes Reproductive Isolation between Mouse Strains Derived from Different Subspecies "

OKA, Ayako (National Institute of Genetics, Japan)

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" How Do Plants Increase Trichome Density in Response to Herbivory? "

YOSHIDA, Yuki (Kyoto University, Japan)

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" Cleistogamous and Chasmogamous Flower Determination and Genome-Wide Gene Expression Patterns under Chilling Treatments in *Cardamine* sp. (Brassicaceae) "

MORINAGA, Shin-Ichi (Tohoku University, Japan) and HASEBE, Mitsuyasu (National Institute for Basic Biology, Japan)

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" Predator Causes Prey's Parallel Speciation by a Single Gene for Premating Isolation and Antipredator Adaptation "

HOSO, Masaki (Kyoto University, Japan)

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" Arms Race upon a Trench Warfare? Molecular Evolution of Pathogenicity Genes in a Natural Bacterial Pathogen of Arabidopsis "

ARAKI, Hitoshi (Oregon State University, USA)