

NIG Workshop: Evolution of Junk DNAs

Dates: Saturday, June 22nd and Sunday, June 23rd

Place: Auditorium, National Institute of Genetics, Mishima

Program

Saturday, June 22nd

10:00 - 10:10 Opening Remarks

10:10 - 12: 10 Talks 1-4: Dr. Akashi, Dr. Takano, Dr. Takahashi, Dr. Nozawa

12:10 - 13:30 Lunch break

13:30 - 15:30 Talks 5-8: Dr. Ohta T., Dr. Hayashizaki, Dr. Gojobori, Dr. Graur

15:30 - 15:45 Tea Break

15:45 - 17:45 Talks 9-12: Dr. Satta, Dr. Hanada, Dr. Itoh, Dr. Niimura

17:45 - 18:15 General Discussion

18:30 - 20:00 Dinner Party (NIG Guest House)

Sunday, June 23rd

10:00 - 12: 00 Talks 13-16: Dr. Imanishi, Dr. Endo, Dr. Mano, Dr. Suzuki

12:10 - 13:30 Lunch break

13:30 - 16:00 Talks 17-20: Dr. Ikeo, Dr. Oota S., Dr. Osada, Dr. Sumiyama, Dr. Saitou

16:00 - 16:30 General Discussion

Speakers and titles

Dr. Akashi Hiroshi

Professor, Division of Evolutionary Genetics, National Institute of Genetics

Title: Test for tissue-specific codon usage adaptation in *Drosophila*

Dr. Endo Toshinori

Professor, Graduate School of Information Science and Technology, Hokkaido University

Title: Functional non-coding elements as the evolutionary driving force

Dr. Gojobori Takashi

Professor, Laboratory for DNA Data Analysis, National Institute of Genetics

Title: The world view of Susumu Ohno

Dr. Dan Graur

John and Rebecca Moores Professor, Department of Biology & Biochemistry, University of Houston

Title: "How to Assemble a Human Genome? Mix generous amounts of Junk DNA and Indifferent DNA, add a Dollop of Functional DNA and a Sprinkling of indifferent DNA (Malicious DNA optional)"

Dr. Hanada Kosuke

Associate professor, Kyushu Institute of Technology

Title: Many genes associated with morphogenesis are hidden in genomes

Dr. Hayashizaki Yoshihide

Director, RIKEN Omics Science Center

Title: Functional RNA produced from junk DNA

Dr. Ikeo Kazuho

Associate Professor, Laboratory for DNA Data Analysis, National Institute of Genetics

Title: TBA*

Dr. Imanishi Tadashi
Professor, Medical School, Tokai University
Title: TBA*

Dr. Itoh Tsuyoshi
Unit Leader, National Institute of Agrobiological Sciences
Title: Genome- and transcriptome-wide analysis of major cereal crops

Dr. Mano Shuhei
Associate Professor, Institute of Mathematical Statistics
Title: Modeling and Inference of complex selective mechanisms

Dr. Niimura Yoshihiro
Associate Professor, Graduate School of Agricultural and Life Sciences, The University of Tokyo
Title: Expansion and contraction of the olfactory receptor universe: What determines the fate of genes?

Dr. Nozawa Masafumi
Assistant Professor, Laboratory for DNA Data Analysis, National Institute of Genetics
Title: Evolution of microRNAs and their targets in *Drosophila* species

Dr. Oota Satoshi
Researcher, RIKEN Bioresource Center
Title: TBA*

Dr. Ohta Tomoko
Professor emeritus, National Institute of Genetics
Title: Drift, selection and epigenetics

Dr. Osada Naoki

Assistant Professor, Division of Evolutionary Genetics, National Institute of Genetics

Title: Finding evidence for weak compensatory evolution

Dr. Saitou Naruya

Professor, Division of Population Genetics, National Institute of Genetics

Title: Sudden expansion of genome sizes in independent eukaryote lineages

Dr. Satta Yoko

Professor, Department of Evolutionary Studies of Biosystems, The Graduate University for Advanced Studies (SOKENDAI)

Title: Tempo and mode of pseudogenization in primate evolution

Dr. Sumiyama Kenta

Assistant Professor, Division of Population Genetics, National Institute of Genetics

Title: Origins of cis-regulatory elements in "Junk Yard"

Dr. Suzuki Yoshiyuki

Professor, Graduate School of Natural Sciences, Nagoya City University

Title: TBA*

Dr. Takahashi Aya

Associate Professor, Graduate School of Science and Engineering, Tokyo Metropolitan University

Title: Genome-wide expression analyses using allelic samples from a natural population of *Drosophila*

Dr. Takano Toshiyuki

Professor, Drosophila Genetic Resource Center, Kyoto Institute of Technology
Title: Gene expression noise in the Drosophila testis

*To be announced