

Global COE Research Assistants' POSTER Presentation
FOR
Dean's Award

Poster No. 1

Name: Adachi, Tatsuhiko

LAB: Akaike Lab



Poster Title: Modulation of cytochrome P450 gene expression in primary hepatocytes on various artificial extracellular matrices

Poster No. 2

Name: Aikawa, Hiroaki

LAB: Tagawa Lab



Poster Title: Innate immune system in mouse blastocyst or its in vitro model

Poster No. 3

Name: Ahn, Sungho

LAB: Tagawa Lab



Poster Title: ヒトES/iPS細胞を用いた in vitro ヒト肝組織モデルの構築

Poster No. 4

Name: Aratsu, Fumihito

LAB: Tagawa Lab



Poster Title: The Analysis of EGF Receptor Local Cluster Model Stimulated by EGF-immobilized Microsphere

Poster No. 5

Name: Chiba, Kunitoshi

LAB: Yamaguchi Lab



Poster Title: A novel role of the transcription elongation factor DSIF in mRNA turnover

Poster No. 6

Name: Chiba, Shuntaro

LAB: Sakurai Lab



Poster Title: Evaluation of Protein-Ligand Binding Free Energy Focused on its Entropic Components

Poster No. 7

Name: Enomoto, Takayuki

LAB: Hirota Lab



Poster Title: Bcl11b/Ctip2 Controls the Differentiation of Vomeronasal Sensory Neurons in Mice

Poster No. 8

Name: Gallegopaez, Lina

LAB: Shirahige Lab

Poster Title: Characterization of human Smc5/6 complex



Poster No. 9

Name: Hagiya, Tomoka

LAB: Sakurai Lab

Poster Title: ATP-binding induced conformational change in CFTR of the inward-facing state using a simulation study



Poster No. 10

Name: Harakawa, Taro

LAB: Sekine Lab

Poster Title: An effective method for phosphorodiamidate bond formation in the synthesis of morpholino nucleic acids



Poster No. 11

Name: Harimoto, Kenichi

LAB: Tagawa Lab

Poster Title: Osteoblasts defeat fibroblasts in cell adhesive competition on Titanium



Poster No. 12

Name: Hatakeyama, Makoto

LAB: Nakamura Lab

Poster Title: Theoretical study of water-splitting reaction in photosynthesis catalyzed by multi-nuclear Mn complexes



Poster No. 13

Name: Hidaka, Sho

LAB: Osada Lab

Poster Title: 分裂酵母への外来性 GPCR の発現

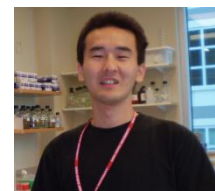


Poster No. 14

Name: Higashino, Saneyuki

LAB: Aizawa Lab

Poster Title: genome-wide detection and expression comparison of LINE-1 retrotransposons antisense promoter-driven transcripts



Poster No. 15

Name: Hiraoka, Daisaku

LAB: Kishimoto Lab/ GCOE PostDoc



Poster Title: Cyclin B-Cdk1-dependent negative feedback pathway under subthreshold hormonal stimulus in starfish oocytes

Poster No. 16

Name: Iida, Yuuki

LAB: Kudo Lab



Poster Title: Ectodysplasin signaling is required for fin ray formation in medaka

Poster No. 17

Name: Iijima, Yoshihiro

LAB: Seo Lab



Poster Title: Synthesis and short-RNA selective binding of oligodeoxynucleotides having 5'-terminal modification and bridged phosphate backbone

Poster No. 18

Name: Ishikawa, Ryosuke

LAB: Sandhu Lab



Poster Title: Chemically derived graphene for optically transparent and electrically conducting thin films

Poster No. 19

Name: Islam, Zinia

LAB: Hirose Lab



Poster Title: Identification of renal transporters involved in Ca^{2+} and Mg^{2+} excretion by seawater fish

Poster No. 20

Name: Ito, Hidehiro

LAB: Kamachi Lab



Poster Title: Preparation of an article vesicle for chemical energy production by using light energy

Poster No. 21

Name: Ito, Yusuke

LAB: Hirose Lab



Poster Title: Localization and roles of zebrafish carbonic anhydrases Ca2a and Ca15a in Nhe3b-mediated sodium ion transport in gill and skin mitochondrion-rich cells

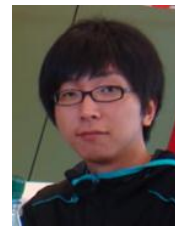
Poster No. 22

Name: Ito, Kazutaka

LAB: Wachi Lab

Poster Title: 大腸菌 RNase G の mRNA 切断部位の認識について

Does the E. coli RNase G recognize the mRNA cleavage site?



Poster No. 23

Name: Iwasaki, Mari

LAB: Kohshima Lab

Poster Title: Activity rhythm and resting behaviors of captive killer whales (*Orcinus orca*)



Poster No. 24

Name: Iwasaki, Katsuhiko

LAB: Tagawa Lab

Poster Title: Collective cardiac contraction and fluctuation of beating rhythm are modulated by substrate rigidity



Poster No. 25

Name: Iwata, Satoshi

LAB: Urabe Lab

Poster Title: 生理活性物質の合成を指向する鉄触媒分子変換法の開発

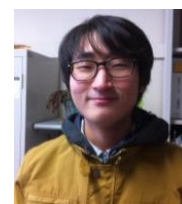


Poster No. 26

Name: Je-Young

LAB: Akaike Lab

Poster Title: Clonality of pancreatic acini and ducts in chimeric mice



Poster No. 27

Name: Jovic, Dragomirka

LAB: Akaike Lab

Poster Title: Visualization of Mouse Embryonic Stem Cell Cycle with Fucci Proteins on E-cadherin Engineered Matrix



Poster No. 28

Name: Kanamori, Takashi

LAB: Seo Lab

Poster Title: T7 RNA polymerase transcription initiated by chemically modified promoters containing nonnatural nucleobases and its regulation by triple helix formation



Poster No. 29

Name: Kanamori, Akane

LAB: Kondoh Lab

Poster Title: EGF tumorigenic signaling and hypoxic stress response



Poster No. 30

Name: Karasawa, Satoki

LAB: Handa Lab

Poster Title: The Analysis of Vitamin K2-Induced Apoptosis in Cancer Cells



Poster No. 31

Name: Kawano, Ayumi

LAB: Yamaguchi Lab

Poster Title: Global analysis for functional residues of histone variant Htz1 using the comprehensive point mutant library

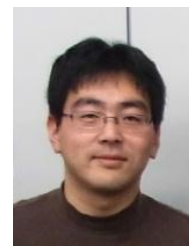


Poster No. 32

Name: Kikuchi, Yohei

LAB: Hamaguchi Lab

Poster Title: Analysis of the effect of Taxol microinjection on polar body formation in starfish oocytes



Poster No. 33

Name: Ko, Pil-ju

LAB: Sandhu Lab

Poster Title: Optical characterization of p-type single macro-porous silicon
for detection of nano-sized functionalized superparamagnetic beads

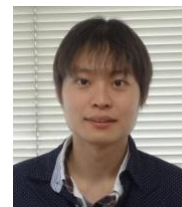


Poster No. 34

Name: Kobayashi, Eisuke

LAB: Asakura Lab

Poster Title: Clarification of the key heme in cytochrome c3 to the electron pool effect by highly sensitive EQCM technique



Poster No. 35

Name: Kuramoto, Tae

LAB: Okada Lab

Poster Title: Phylogenetic analysis of Gruiformes based on retroposon insertion

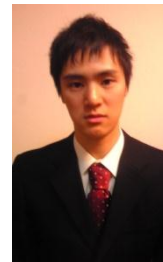


Poster No. 36

Name: Maeda, Tomoya

LAB: Wachi Lab

Poster Title: *Corynebacterium glutamicum* の RNase E/G ファミリー酵素の機能解析

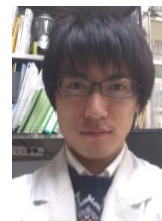


Poster No. 37

Name: Mashimo, Yasumasa

LAB: Kobatake Lab

Poster Title: AN NOVEL ENZYMATIC METHOD FOR SITE-SPECIFIC LABELING OF RECOMBINANT PROTEINS WITH DNA



Poster No. 38

Name: Meng, Qingyuan

LAB: Akaike Lab

Poster Title: Enhancing Effect of Galactose-carrying Substratum on Differentiation and isolation of Mouse Embryonic Stem Cell-derived Hepatocytes



Poster No. 39

Name: Munakata, Keijiro

LAB: Hirose Lab

Poster Title: A metabolic futile cycle is operating in gas gland cells of fugu swimbladder



Poster No. 40

Name: Nagasaka, Kota

LAB: Hirota Lab/Cancer Institute

Poster Title: Phosphorylation of Condensin II by Cdk1 initiates chromosome assembly



Poster No. 41

Name: Nagi, Minoru

LAB: Kajiwara Lab

Poster Title: Transcription factors *CgUPC2A* and *CgUPC2B* regulate ergosterol biosynthetic genes in *Candida glabrata*



Poster No. 42

Name: Nakanishi, Akiko

LAB: Okada Lab

Poster Title: An unique modular composition of SINE-derived mammalian diencephalic Fgf8 enhancer revealed by functional dissectionn



Poster No. 43

Name: Nirei, Ayaka

LAB: Kitamura Lab

Poster Title: The role of a novel Cdk inhibitor Ink4X in early development of *Xenopus*

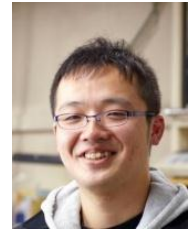


Poster No. 44

Name: Okura, Hiromichi

LAB: Mihara Lab

Poster Title: $\alpha\beta\beta$ de novo scaffolds for fluorescein- and GFP-binding proteins



Poster No. 45

Name: Onimaru, Koh

LAB: Tanaka Lab

Poster Title: Development and evolution of the lateral plate mesoderm:
Comparative analysis of amphioxus and lamprey with implications for the acquisition of paired fins



Poster No. 46

Name: Onodera, Masahiko

LAB: Nakamura Lab

Poster Title: Genetic analysis and characterization of a starch-active enzyme from
extremely halophilic archaeon *Haloarcula japonica*



Poster No. 47

Name: Oosakaya, Shigenori

LAB: Hisabori Lab

Poster Title: The regulatory mechanism of ATP homeostasis in human cell



Poster No. 48

Name: Qingfu, Cao

LAB: Yamaguchi Lab

Poster Title: The mechanism of transcription regulation involving the novel transcription elongation factor hRtf1



Poster No. 49

Name: Sakai, Shinichi

LAB: Akaike Lab

Poster Title: The Role of Glycosylated E-cadherin Chimeric Matrix on Mouse ES Cells Single Attachment Culture



Poster No. 50

Name: Sakurai, Arata

LAB: Kishimoto Lab



Poster Title: A possible role of Cut5 for initiation of DNA replication after fertilization in starfish eggs

Poster No. 51

Name: Sasuga, Shintaro

LAB: Osada Lab



Poster Title:

Poster No. 52

Name: Siew, Judy

LAB: Akaike Lab

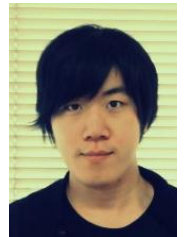


Poster Title: Wnt signaling pathway in cardiac differentiation

Poster No. 53

Name: Sim, Sanghoon

LAB: Asakura Lab



Poster Title: Direct electrochemical analysis of cytochrome c3

Poster No. 54

Name: Suda, Natsuno

LAB: Tanaka Lab



Poster Title: AP-1 Transcription Factors Regulate the Number of Apoptotic Cells in Developing Chick Limb Buds

Poster No. 55

Name: Suzuki, Hikoyu

LAB: Okada Lab



Poster Title: Sub-neofunctionalization of two olfactory marker protein genes emerged by teleost-specific whole genome duplication

Poster No. 56

Name: Taimatsu, Kiyohito

LAB: Kudo Lab

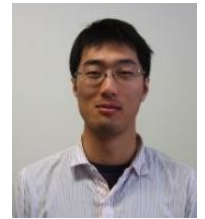


Poster Title: The study of medaka hematopoiesis

Poster No. 57

Name: Takahashi, Shuntaro

LAB: Okahata Lab/ GCOE Assistant Professor



Poster Title: A novel approach for monitoring translation in real time by using quartz-crystal microbalance

Poster No. 58

Name: Takamura, Tsukasa

LAB: Sandhu Lab



Poster Title: Planar Microfluidic System based on Electrophoresis for Detection of 130-nm Magnetic Lables for Biosensing

Poster No. 59

Name: Tanno, Hidetaka

LAB: Komada Lab



Poster Title: The Ankrd13 family of UIM-bearing proteins regulates EGF receptor endocytosis from the plasma membrane

Poster No. 60

Name: Tashiro, Kensuke

LAB: Okada Lab



Poster Title: AS021 locus displays enhancer properties recapitulating Satb2 expression in early-born callosal projection neurons

Poster No. 61

Name: Ucar, Hasan

LAB: Kishimoto Lab



Poster Title: Regulation of Polar body emission in starfish oocytes by MAPK-Rsk pathway

Poster No. 62

Name: Ueda, Shogo

LAB: Tanaka Lab



Poster Title: *Cux2* can shift the limb position along the rostral-caudal axis during chick development

Poster No. 63

Name: Uni, Fumiya

LAB: Nakamura Lab



Poster Title: Mutational analysis of an alkaline chitinase from *Bacillus* sp. J813

Poster No. 64

Name: Weerapong, Juntachai

LAB: Kajiwara Lab



Poster Title: *Malassezia* yeast possesses hemolytic activity

Poster No. 65

Name: Yamada, Kenji

LAB: Sekine Lab



Poster Title: Synthesis and properties of new triplex forming oligonucleotides containing minonaphthyridine derivatives

Poster No. 66

Name: Yamaguchi, Katsumi

LAB: Okada Lab



Poster Title: Host factors are involved in the 5' joining of the LINE integration

Poster No. 67

Name: Yamamoto, Junichi

LAB: Handa Lab



Poster Title: Interplay of DSIF, NELF, and Integrator in transcription and 3' processing of U1 snRNA

Poster No. 68

Name: Yanagawa, Takayo

LAB: Komada Lab



Poster Title: 胎盤で機能する新規 Ser/Thr キナーゼ Nrk と結合するタンパク質の同定

Poster No. 69

Name: Yazawa, Kenjiro

LAB: Okahata Lab



Poster Title: pH Robustness mechanism of disulfide-bond formation system
in *E. coli* based on kinetic analyses using QCM

Poster No. 70

Name: Yoshida, Fuminobu

LAB: Kishimoto Lab



Poster Title: Analysis of maturation-inducing hormone 1-methyladenine-binding proteins in starfish oocytes
