

Titles of Platform Presentations

- T01** N-linked glycosylation is required for optimal proteolytic activation of membrane-bound transcription factor CREB-H
CHAN, CP
- T02** Cell fate after abrogation of the DNA damage checkpoint
CHEN, Y
- T03** Crystal Structure of Helicobacter pylori Urease Accessory Protein ureF
FONG, YH
- T04** Type IIA procollagen: A Positive Regulator of Nodal Signaling During Embryogenesis
GAO, Y
- T05** The Role of SoxE Transcription Factors in Melanoma Development
KWOK, CS
- T06** IRF8 determines the cell fate of macrophage versus granulocyte in embryonic myelopoiesis in zebrafish
LI, L
- T07** Structural and Functional Analysis of Influenza H5N1 Nucleoprotein Reveals Amino Acids that are Crucial for Oligomerization, RNA Binding and Ribonucleoprotein Activities
NG, AKL
- T08** Structural basis of the organization of the USH1 interactome
PAN, LF
- T09** Nuclear accumulation of mRNA harbouring expanded CAG repeat contributes to toxicity of polyglutamine disease
TSOI, H
- T10** Cdk5-mediated phosphorylation of endophilin B1 plays a role in autophagy deregulation in Parkinson's disease model
WONG, SL
- T11** Revisiting co-evolution theory of the genetic code from a whole-genome perspective
YU, CS
- T12** Sox10 affects enteric neural crest cells migration in a Sox10NGFP/+ mutant
ZHANG, M

Titles of Poster Presentations

- P01** Isolation and characterization of the human *X11a* promoter
CHAI, KH
- P02** Electrostatic interactions contribute more to protein stability at high temperature
CHAN, CH
- P03** Study on human antiquitin (ALDH7A1) – a functionally diverse aldehyde dehydrogenase
CHAN, CL
- P04** Characterization of Subtype-selective Melatonergic Ligands with Novel Non-indoleamine Scaffolds
CHAN, KH
- P05** Molecular cloning and characterization of a novel cellobiase gene, *cba3*, from *Cellulomonas biazotea*
CHAN, KN
- P06** Structural and Functional Studies of Zonula Occludens-1
CHEN, J
- P07** Structural Study of DLC1-Tensin2 Complex
CHEN, LH
- P08** Crystallization and preliminary crystallographic analysis of the central domain of *Drosophila* Dribble, a protein that is essential for ribosome biogenesis
CHENG, TC
- P09** Characterization of PinX1 interacting partners and the biological significance of their interactions
CHEUNG, DHC
- P10** Comparison of ovarian cancer cells with normal ovarian surface epithelial and fallopian tube epithelial cells in spheroids formation and 3D cell movement
CHOI, PW

- P11** A conserved protein domain identified by computational alignment is important to cytoskeleton organization
CHOI, YK
- P12** Purification and Characterization of Glyceraldehyde 3-Phosphate Dehydrogenase from Chironomidae Larvae
CHONG, KW
- P13** Sox10 mutation affects gliogenesis of the cochleo-vestibular ganglion
CHU, KH
- P14** The functional roles of selected cysteine residues in human mitogen-activated protein kinase kinase six (MKK6)
DIAO, Y
- P15** Axin is required for neuronal polarization and axon formation through its interaction with GSK-3 β
FANG, WQ
- P16** Characterization of a novel mouse Liver-Sulfotransferase Like (mL-STL) gene
FENG, L
- P17** The role of Sox2 and Sox18 in mouse hair development
HO, SY
- P18** Bisphenol A downregulates CYP19 transcription in JEG-3 cells
HUANG, H
- P19** Serglycin in the HL-60 degranulation product retains its sulfated chondroitin/dermatan moieties and affinity for neutrophil elastase
IP, CH
- P20** Molecular interactions between switch proteins from *Helicobacter pylori*
LAM, KH

- P21** Molecular interaction of flagellar export chaperone FliS and hypothetical protein, HP1076 in *H. pylori*
LAM, WWL
- P22** Role of hyperpolarization-activated cyclic nucleotide-gated channels in maintaining the self-renewal characteristic of mouse embryonic stem cells
LAU, YT
- P23** Generation of HIV-1 protease-activated maize ribosome-inactivating protein for inhibiting HIV replication
LAW, SKY
- P24** In vivo study of Asporin, a genetic risk factor for Osteoarthritis and Degenerative Disc Disease
LEE, KS
- P25** BAF250a-containing complex is required for secondary heart field development
LEI, IL
- P26** Schisadrin B-induced hepatoprotection in vitro : The role of Reactive Oxygen Species (ROS) and Glutathione Redox Cycling
LEONG, PK
- P27** Identification of regulatory elements directing control of Sox2 expression in mouse inner ear development
LI, JC
- P28** Studying natural variations in alternative mRNA splicing in the human genome using next-generation sequencing platforms
LI, JW
- P29** Genetic Analysis of Zebrafish Hematopoiesis-Defective Mutant Thy-193
LI, XL
- P30** Characterization of p32 as an interactor of parkin
LI, Y
- P31** Structural and Functional Studies of SRPK2
LIANG, N

- P32** Impact of Intracellular Clearance of Unfolded Proteins on Chondrocytes Cell Fate
LIE, YS
- P33** Reduced neuronal nitric oxide production in KIF5b-deficiency mice
LIN, R
- P34** Formation of novel pattern by programming cell motility
LIU, CL
- P35** Screening for potential PPAR ligands from TCM to improve metabolic syndrome
LIU, X
- P36** Impact of Extracellular Inorganic Polyphosphate on Osteoblast Proliferation, Differentiation and Apoptosis
LUI, EL
- P37** Functional significance of the AU-rich sequence element in the mRNA of the stress- inducible protein CHOP/Gadd153
LUI, W
- P38** Differential stability and transcriptional activity of CREB3 subfamily transcription factors
MAK, TY
- P40** Salidroside promotes erythropoiesis and protects erythroblasts against oxidative stress by up-regulating glutathione peroxidase and thioredoxin
QIAN, W
- P41** Aptamer-mediated inhibition of Mycobacterium tuberculosis polyphosphate kinase 2
SHUM, KT
- P42** Characterization and kinetic studies of a novel DNase encoded by the yjeA gene cloned from Bacillus subtilis
SONG, QX
- P43** Unfolded Protein Response Leading to Cataractogenesis in a Microphthalmia Cataract Mouse Mutant
TAM, CN

- P44** Dual origin of osteoblasts in bone formation – terminally differentiated chondrocytes contribute to bone formation in vivo
TANG, HC
- P45** Global gene expression changes during chondrocyte adaptation to ER stress
TAN, ZJ
- P46** Application of FRET-based method for anticancer and neuron protection drug screening
TIAN, HL
- P47** Bone marrow stromal cell-derived oligodendrocyte precursor cells: A new perspective in CNS myelin repair
TSUL, YP
- P48** Aptameric Inhibition of E3 Ubiquitin Ligase WWP1 for Osteoporosis Therapy
TUCKER, W
- P49** Hoxb1 cooperates with Gli to activate Nkx2.2 expression in the neurogenesis of mammalian hindbrain rhombomere 4
WANG, XA
- P50** Graded expression of the cenA gene in E. coli using efficient promoters of B. subtilis
WANG, YY
- P51** A Group of General DNA Replication Origins and Replicators Sharing Homologous Sequences and Dispersed Throughout the Human Genome
WANG, ZY
- P52** In vitro Generation of Osteo-chondroprogenitors
WANG, Y
- P53** Role of calcium signaling in controlling the self-renewal of undifferentiated mouse embryonic stem cells
WONG, CK
- P54** The role of ubiquitin linkages on α -synuclein-induced toxicity in a Drosophila model of Parkinson's disease
WONG, KY

- P55** Interaction between maize ribosome-inactivating protein and ribosomes
WONG, YT
- P56** The Role of PolyQ Conformers in Molecular Pathogenesis of Polyglutamine Diseases
WU, CC
- P57** Generation of mL-STL knockout mice for studying its role in bile acid metabolism
XU, J
- P58** Molecular consequences of Indian hedgehog mutations in chick neural tube
WANG, X
- P59** Effects of β -sitosterol oxidation products and β -sitosterol on the endothelium-dependent relaxation in rat aorta
YANG, C
- P60** Development of a Surface Plasmon Resonance (SPR) isothermal DNA Amplifier
YANG, KL
- P61** Co-evolution of Transcription Factors and Their Binding Sites
YANG, S
- P62** Studies on the modulatory effects and action mechanisms of Banlangen alkaloids on the proliferation, differentiation and apoptosis of murine neuroblastoma cells
YIP, HY
- P63** Solution Structure of the Dimerization Domain of Ribosomal Protein P2 Provides Insights for the Structural Organisation of Eukaryotic Stalk
YU, WH
- P64** Study of the effect of tetrandrine on hepatocarcinoma cell lines
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- P65** The Role of Pax6 in Beta-Amyloid-induced Neuronal Apoptosis
ZHANG, YL