

2012 KOGO Winter Symposium Program "The Omics Revolution and Beyond"

1. Program

F e b. 8 (WED)					
12:00	등록 및 방배정				
Grand Ballroom		Rainbow room		Gold room	
14:00-15:30	Main Session 1 : Genomic Landscape of Cancer Organizer & Chair: 김태유 (서울대학교)	* 사전등록 기간 : 2012.1.20 (금)까지 (현장등록은 무박만 접수 가능) 심포지엄 등록자는 워크숍 수강이 불가하오나 (인원 제한) 워크숍 등록자는 심포지엄을 들으실 수 있습니다.			
15:40-15:45(5)	Coffee Break				
15:45-15:50(5)	Opening Ceremony				
15:50-17:55	Main Session 2 : Current Trends in Omics Technology Organizer: 이연수 (국립암센터) Chair: 정현택 (울산대학교)	15:50-17:30	Satellite Session 1 : Exome Sequencing in Rare Disease Organizer: 이환석 (마크로젠) Chair: 이진성 (연세대학교)	16:00-18:00 [생물정보분석교육 Workshop] 주제: NGS data를 이용한 지놈 정보 분석 Organizer: 최익영 (서울대NICEM)	
17:55~	기념 촬영				
		19:30-21:00	Satellite Session2-A : A3 Foresight Program: Cancer Epigenomics Organizer: 박종훈 (숙명여자대학교) Co-Chairs: Jindge Zhu / 김영준		
F e b. 9 (THU)					
13:00-14:40	Main Session 3 : Bioinformatics & Systems Biology Organizer: 김상수 (숭실대학교) Chair: 오범석 (경희대학교)	9:30-11:10	Satellite Session2-B : A3 Foresight Program: Cancer Epigenomics Co-Chairs: Dr. Hiromu Suzuki / 박종훈	09:00-12:00 [생물정보분석교육 Workshop] NGS resequence data를 이용한 DNA 변이(SNP)분석	
		11:10-12:20	Satellite Session2-C: A3 Foresight Program: Cancer Epigenomics Co-Chairs: Erwei Song / 이연수		
		12:20~	Lunch	12:00-13:00	Lunch
		13:00~14:40	Satellite Session 3 : Plant de novo Sequencing Organizer: 최익영 (서울대학교) Chair: 남백희 (명지대학교)	13:00-14:40	NGS RNAseq data를 이용한 transcriptome (expression profiling and quantification) 분석 (1)
14:40~15:20(40)	[Plenary Lecture] 서정선박사님 (서울대의대) Genome-wide map of common and rare variants in Asian population using massively parallel DNA and RNA sequencing - Preliminary results from 1000 Asian Genome Project				
15:20~15:30(10)	Genomics & Informatics 학술지 홍보 Talk (편집위원장 김상수/숭실대학교)			15:20-17:45 [생물정보분석교육 Workshop] NGS RNAseq data를 이용한 transcriptome (expression profiling and quantification) 분석 (2) -NGS data를 이용한 metagenome 분석 1st step	
15:30~15:40(10)	Coffee Break				
15:40-17:45	Main Session 4 : Recent Technologies in Translational Omics Organizer: 전주홍 (서울대학교) Chair: 한복기 (국립보건연구원)	15:40-17:45	Satellite Session 4 : Animal Genomics Organizer & Chair: 이준현 (충남대학교)		
17:45~	부스 참가 이벤트 추천				
F e b. 10 (FRI)					
10:00 - 11:40	Main Session 5 : Uprising Fields in Genomic Research Organizer & Chair: 이민구 (연세대학교)	10:00-11:40	Satellite Session 5 : Microbial Genomics and Interkingdom Interactomics Organizer & Chair: 김지현 (한국생명공학연구원)	9:00-11:00 [생물정보분석교육 Workshop] NGS data를 이용한 metagenome 분석 2nd step	
11:40~	Closing Ceremony				

* 위 프로그램은 사정에 따라 변경될 수 있습니다.

2월 8일 (수)

Room	Session	Time	Speaker	Title	
GRAND BALLROOM	Main S1 Genomic Landscape of Cancer Chair: 김태유 (서울대)	14:00-14:25(25)	김열홍(고려대의대)	Clinical Implication of Cancer Genome Study	
		14:25-14:50(25)	김주한(서울대의대)	Bioinformatics for Integrating Multi-Omic Data for Cancer Research	
		14:50-15:15(25)	이상혁(생공연)	A NGS-based Multi-OMICs Study of Lung Adenocarcinoma	
		15:15-15:40(25)	김성진(차의과대학)	Genome-Wide Analysis of Microsatellite Instability Target Genes in Human Gastric Cancer	
	15:40-15:45(5)		Coffee Break		
	15:45-15:50(5)		Opening Ceremony		
	Main S2 Current Trends in Omics Technology Chair: 정현택 (울산대)	15:50-16:15(25)	양갑석(Macrogen)	TBA	
		16:15-16:40(25)	윤영국 (Caliper-a PerkinElmer Company/Bioneer)	Automated Illumina Library Prep & Sequence Capture Target Enrichment for Next Generation Sequencing	
		16:40-17:05(25)	박종화(Theragen)	PGP and Pan Asia Population Genomics Initiative	
		17:05-17:30(25)	Tangphatsornruang, Sithichoke (Biotec/roche-diagnostics)	Genomic Research Tools for Genetic Improvement of Euphorbiaceae Plants	
17:30-17:55(25)		Jessica Kao (Affymetrix Global Applications.seoulin)	Synergies between NGS and Microarrays		
17:55~		기념 촬영 및 저녁식사			
RAINBOW	Satellite S1 Exome Sequencing in Rare Disease Chair: 이진성 (연세대)	15:50-16:15(25)	최병윤 (분당서울대학교병원)	Whole Exome Sequencing of four Members in a family Segregating a High Frequency Hearing Loss in an Autosomal Dominant Manner Identifies a New Genotype-Phenotype Correlation in a Known Deafness Gene.	
		16:15-16:40(25)	황영환 (을지병원)	"차세대 시퀀싱 기술을 이용한 상염색체우성 다낭신의 유전자 돌연변이 탐색"(Mutation Analysis of ADPKD(Autosomal Dominant Polycystic Kidney Disease) Using Next Generation Sequencing)	
		16:40-17:05(25)	김영진 (국립보검원)	Exome Sequencing in KNIH	
		17:05-17:30(25)	조태준 (서울대)	Gene Discovery for Skeletal Dysplasia Using Genome-Wide Analysis	
		17:30-17:55(25)	이환석 (마크로젠)	NGS to the Clinic	
	Satellite S2-A A3 Foresight Program: Cancer Epigenomics Chairs: Jindge Zhu 김영준(연세대)	19:30-19:40(10) Welcome address (Organizer/NRF)			
		19:40-20:00(20)	Hyoung-Pyo Kim (Yonsei Univ.)	TBA	
		20:00-20:20(20)	Hiromu Suzuki (Sapporo Medical Uni.)	Upregulation of Non-Coding RNAs Encoded in the HOX Cluster is associated with the Malignancy of Gastrointestinal Stromal Tumors	
		20:20-20:40(20)	Erwei Song (Sun Yat-sen Uni.)	Dysregulation Mechanism and Function of MicroRNA in Breast Tumor-Initiating Cells	
		20:40-20:50(20)	Eunyoung Park (Sookmyung Woman's Univ)	Role of MicroRNA34a in Drug Resistant Breast Cancer Cells	
		20:50-21:00(20)	Takeshi Sawada (Sapporo Medical Uni.)	Association of Genomic Alterations with Metastatic Behavior of Colorectal Cancer Identified by Array-Based Comparative Genomic Hybridization	
GOLD	[생물정보분석교육 Workshop] NGS data를 이용한 지놈 정보 분석(1)	16:00-17:00	최익영 (서울대)	NGS data 활용 강의	
		17:00-18:00	이정수	NGS 분석을 위한 노트북	

2월 9일 (목)

Room	Session	Time	Speaker	Title	
GRAND Ballroom	Main S3 Bioinformatics & Systems Biology Chair: 오법석 (경희대)	13:00-13:25(25)	박태성 (서울대)	Integrative Analysis of Gene Expression Levels and Breadths	
		13:25-13:50(25)	최선심 (강원대)	Comprehensive Bioinformatics Analysis of Mammalian Genomes and Expressions	
		13:50-14:15(25)	이채영 (숭실대)	Genomic Enrichment Analysis with Distal Cis-Regulatory Elements for Vascular Dementia	
		14:15-14:40(25)	김지혜 (Univ. of Colorado Denver)	Identifying Druggable Partners of Synthetic Lethal Genes in Cancer	
	[Plenary Lecture]	14:40~15:20(40)	서정선 (서울대의대)	Genome-Wide Map of Common and Rare Variants in Asian Population Using Massively Parallel DNA and RNA Sequencing - Preliminary Results from 1000 Asian Genome Project	
	15:20~15:30(10)		김상수 편집위원장 (숭실대)	Genomics & Informatics 학술지 홍보 Talk	
	15:30~15:40(10)		Coffee Break		
	Main S4 Recent Technologies in Translational Omics Chair: 한복기 (국립보건연구원)	15:40-16:05(25)	Ram Laxman (MDXK/PACIFIC BIOSCIENCES)	The 3rd Generation DNA Sequencing Technology - the PacBio RS and Single Molecule Real Time (SMRT) Technology	
		16:05-16:30(25)	김경아 (Bio-Medical Science)	New Era of Individual Genome Sequencing	
		16:30-16:55(25)	강중호 (Applied Biosystems/Life tech)	Semiconductor Sequencing for Life: Ion Torrent	
16:55-17:20(25)		강병철 (Insilicogen)	Transparent and Cooperative High-Performance Bioinformatics Environment for NGS Analysis		
17:20-17:45(25)		DNA Link	TBA		
17:45~		부스 참가 이벤트 추천			
RAINBOW	Satellite S2-B A3 Foresight Program: Cancer Epigenomics Chairs: Dr. Hiromu Suzuki 박종훈(숙명여대)	09:30-09:50(20)	Dr. Jindge Zhu (Shanghai Jiaotong Uni.)	TBA	
		09:50-10:10(20)	Dr. Reo Maruyama (Sapporo Medical Uni.)	Altered Antisense-to-sense Transcript Ratios in Breast Cancer	
		10:10-10:30(20)	Dr. Ji-Joon Song (KAIST)	Structural basis of HCF-1 Self-Association and its Role in a Transcription Regulatory Complex Formation	
		10:30-10:40(20)	Dr. Jieun Lee (Natl. Cancer Center)	Identification of Novel Gastric Cancer Associated Gene and Analysis of its Epigenetic Regulatory Mechanism	
		10:40-11:10(30)	Coffee Break & Group Photo		
		11:10-11:30(30)	Dr. Qiang Lie (Sun Yat-sen Uni.)	TBA	
	Satellite S2-C A3 Foresight Program: Cancer Epigenomics Chairs: Erwei Song 이연수(국립암센터)	11:30-11:50(20)	Dr. Tae-Young Roh (POSTEC)	Spontaneous DNA Double Strand Break Hotspots in Gastric Cancer Cells	
		11:50-12:00(10)	Miss YuKa Aoki (Sapporo Medical Uni.)	TBA	
		12:00-12:10(10)	Miss Hyun Kyung Kong (Sookmyung Woman's Uni.)	DNA Methylation Pattern of the Human LY6K Gene Promoter Region in Breast Cancer Cells	
		12:10-12:20(10)	Dr.JongHoon Park (Sookmyung Women's Uni.)	Closing Remark	
	12:20~13:00		Lunch		
	Satellite S3 Plant de novo Sequencing Chair: 남백희 (명지대)	13:00-13:25(25)	오미진 (농촌진흥청)	De novo Sequencing of the Radish (Raphanus sativus L.) Genome	
		13:25-13:50(25)	안정호 (서울대/융합과학기술대학원)	A Multithreaded Assembler to Parallelize De Novo DNA Sequencing	
		13:50-14:15(25)	양대진 (서울대학교)	Whole Genome Sequences of the Mysterious Plant, Korean Ginseng (Panax Ginseng C. A. Meyer)	
14:15-14:40(25)		이석하 (서울대학교)	The Genome Sequence of Mungbean (Vigna Radiata)		
Satellite S4 Animal Genomics Chair: 이준현 (충남대)	15:40-16:05(25)	Dr. Cedric Gondro (UNE, Australia)	Genetic Diversity and Relationships of Hanwoo Cattle with Other Bovine Breeds		
	16:05-16:30(25)	이승환 (축산과학원)	Beyond Genome Wide Association Test in Livestock Industry: Accuracy of Genomic Prediction based on Genetic Architecture for Carcass Traits in Hanwoo		
	16:30-16:55(25)	김관석 (충북대학교)	Uses of Genomics in Livestock Breeding		
	16:55-17:20(25)	장종수 (한국방송통신대학교)	Genome, Transcriptome and Proteome Research in Anaerobic Rumen Fungus, Neocallimastix Frontalis		

		17:20-17:45(25)	서성원 (충남대학교)	Cattle Genomics and its Implication for Future Nutritional Strategies for Cattle
G O L D	[생물정보분석교육 Workshop] NGS data를 이용한 지놈 정보 분석(2)	09:00-12:00	최범순 (서울대학교 NICEM)	NGS resequenc data를 이용한 DNA 변이 (SNP) 분석
		12:00~13:00	Lunch	
		13:00-14:40	이정수 (서울대학교 NICEM)	NGS RNAseq Data를 이용한 Transcriptome (Expression Profiling and Quantification) 분석 (1)
		14:40-15:20	[Plenary Lecture: Grand Ballroom]	
		15:20-16:40	이정수 (서울대학교 NICEM)	NGS RNAseq Data를 이용한 Transcriptome (Expression Profiling and Quantification) 분석 (2)
		16:40-17:45	김동인 (서울대학교 NICEM)	NGS Data 를 이용한 Metagenome 분석 1st step

2월 10일 (금)

G R A N D Ball room	Main S5 Uprising Fields in Genomic Research Chair: 이민구 (연세대)	10:00-10:25(25)	방두희 (연세대학교)	Genome Engineering and Genome Analysis by Capture
		10:25-10:50(25)	이상섭 (인제대학교)	Rare Allelic Variations in Cytochrome P450 Pharmacogenetics
		10:50-11:15(25)	이지현 (연세대학교)	Targeted NGS approaches for Biomarker Discovery in Azathioprine Induced Adverse Drug Reactions.
		11:15-11:40(25)	김유리 (이화여자대학교)	Nutrigenomics: The Changing Science
R A I N B O W	Satellite S5 Microbial Genomics and Interkingdom Interactomics Chair: 김지현 (생공연)	10:00-10:25(25)	윤성호 (한국생명공학연구원)	A Predictive Systems Model for Global Gene Regulation of Methanogenesis in a Hydrogenotrophic Methanogen
		10:25-10:50(25)	김동욱 (한양대학교)	Next Generation Sequencing (NGS) and Molecular Epidemiology: An example of Vibrio Cholerae
		10:50-11:15(25)	이선우 (동아대학교)	Soil and Plant Rhizosphere Metagenomics for Bioresources and Plant Function
		11:15-11:40(25)	김경모 (한국생명공학연구원)	A heuristic Approach to Identify Clusters of Metagenomic Sequences
G O L D	[생물정보분석교육 Workshop] NGS data를 이용한 지놈 정보 분석(3)	9:00-11:00	김동인 (서울대학교 NICEM)	NGS Data 를 이용한 Metagenome 분석 2nd Step

* 위 일정은 연사의 사정에 따라 변경될 수 있음을 알려드립니다.