1st GoldenHelix SYMPOSIUM

Copy Number Variation (CNV)

and genomic alterations in health and disease

PROGRAM

Friday, November 28, 2008

09:00-09:20 *Patrinos GP (Rotterdam, NL)*
Chrousos GP (Athens, GR)
Welcome addresses

Session I Techniques (Moderator: *Patrinos GP, Rotterdam, NL*)

09:20-09:40 *Speicher MR, (Graz, AT)*
Molecular cytogenetics

09:40-10:00 *Ylstra B (Amsterdam, NL)*
Stratification by DNA microarrays in oncology: From technique to therapeutic target

10:00-10:20 *Veltman JA (Nijmegen, NL)*
Diagnostic genome profiling by Single Nucleotide Polymorphism (SNP) arrays

10:20-10:40 *Patsalis PC (Nicosia, CY)*
X chromosome-specific microarrays for targeted locus copy number assessment

Company Lecture *(Agilent)*

10:40-11:10 *Polten A (Santa Clara, CA, USA)*
Introducing a new high resolution array-CGH platform for CNV detection and discovery: A brief update on technology and applications

COFFEE BREAK

Session II Chromosomal Disorders (Moderator: *Petersen MB, Athens, GR*)

11:30-11:50 *Perez-Jurado LA (Barcelona, ES)*
Copy Number Variation: cause and susceptibility factor for recurrent genomic disorders

11:50-12:10 *Stankiewicz P, (Houston, TX, USA)*
Copy Number Variation in mental retardation: The Baylor experience

12:10-12:30 *Zuffardi O (Pavia, IT)*
Array-CGH in visible chromosome rearrangements

12:30-12:50 *Knuutila S (Helsinki, FI)*
Gene copy number alterations in human malignancies

12:50-13:10 Romano C *(Troina, IT)*
Clinical profile of patients admitted to array-CGH analysis

13:10-13:30 de Vries BB *(Nijmegen, NL)*
New syndromes detected by array-CGH

LUNCH BREAK

Session III Other Disorders (Moderator: Metaxotou C, *Athens, GR)*

14:30-14:50 *Vissers LE (Nijmegen, NL)*
Molecular karyotyping: linking gene dosage alterations to disease phenotypes

14:50-15:10 *McCarthy SE (Cold Spring Harbor, NY, USA)*
Rare structural variants in schizophrenia

15:10-15:30 Estivill X *(Barcelona, ES)*
Contribution of genomic structural variation to psoriasis susceptibility

Company Lecture *(ROCHE-NimbleGen)*

15:30-16:00 Fiegler H (*West Sussex, UK*)
Chromosomes in disarray

COFFEE BREAK

Session IV Population Genomics *(Moderator: Antonarakis SE, Geneva, CH)*

16:20-16:40 *Redon R (Cambridge, UK)*
Copy number variation in the human genome

16:40-17:00 *Veltman JA (Nijmegen, NL)*
Linking Copy Number Variation to subtle phenotypes in healthy individuals

17:00-17:20 *Vermeesch JR (Leuven, BE)*
Mendelian Copy Number Variation

17:20-17:40 *Dermitzakis ET (Cambridge, UK)*
Copy Number Variation and gene expression

Keynote Lecture (Introduction: Patrinos GP, *Rotterdam, NL*)

17:45-18:30 *Antonarakis SE (Geneva, CH)*
The Renaissance of Aneuploidy

WELCOME RECEPTION

EVENING

FORMAL DINNER	(Lecturers and moderators: by invitation only)
	Dressing code: Smart casual
EVENING FREE	(Participants)

Saturday, November 29, 2008

Session V Prenatal Diagnosis *(Moderator: Mavrou A, Athens, GR)*

09:00-09:20 *Le Caignec C (Nantes, FR)*
Genomic imbalances in fetuses with multiple malformations

09:20-09:40 Tonnies H *(Kiel, DE)*
Comparative Genomic Hybridization-based analyses of ancient DNA samples of malformed fetuses

09:40-10:00 *Geigl JB (Graz, AT)*
Array-CGH analysis of single cells

Company Lecture *(Illumina)*

10:00-10:30 *Arnold HP (Eberfing, DE)*
Illumina SNP arrays: Expanding screening capabilities of cytogenetics laboratories

COFFEE BREAK

Session VI Quality Control *(Moderator: Kanavakis E, Athens, GR)*

11:00-11:20 Zollino M *(Rome, IT)*
Checklist of clinical signs to select patients for array-CGH and to validate the results

11:20-11:40 *Schoumans J (Stockholm, SE)*
Validation of different platforms

11:40-12:00 *Crolla JA (Salisbury, UK)*
Uniform and evidence based constitutional diagnostic oligonucleotide array-CGH: An International Consortium approach to design, implementation and interpretation