SESSION 4 - SUNDAY, JANUARY 25

Every talk includes a 5-10-minute discussion at the end.

Chaired By: Brinkley, William and Lingle, Wilma

**Aneuploidy: Cause or Consequence of Cancer? II**

1:30 21. Patterns and Consequences of Chromosomal Aneuploidy in Cancer Cells
    Ried, Thomas (Bethesda, US)

2:00 22. Sequence of Centromere Separation—Possible Link with Aneuploidy and Cancer
    Vig, Baldev (Reno, US)

2:30 23. Alterations in Nuclear Morphology, Centrosomes, and Chromosomal Stability Induced by Expression of Mutant p53
    Lingle, Wilma (Rochester, US)

3:00-3:15 COFFEE BREAK

**Origins and Consequence of Aneuploidy III**

3:15 24. Is Centrosome Amplification and Aurora A Kinase Overexpression a Prelude to Chromosome Instability and Aneuploidy?
    Brinkley, William (Houston, US)

3:45 25. Pathologic Telophases: A Significant Source of Interphase Aneuploidy
    Steinbeck, Ruediger (Kiel, Germany)

4:15 26. The Clinical Consequences of Massive Genomic Imbalances in Cancers
    Miklos, George (Sydney, Australia)

4:45 27. Drug Resistance-Specific Aneusomies of Human Colon and Breast Cancer Cells
    Li, Ruhong (Berkeley, US)

5:30-6:30 POSTER SESSION

7:30 BANQUET
OPENING SESSION - FRIDAY, JANUARY 23

Opening Ceremony
6:00  Opening Address
  Peter Duesberg, President of the Conference
  Jerry Brown, Mayor of Oakland

6:30  Opening Lecture
  1. Human Breast Adenocarcinoma: DNA Content, Chromosomes, Gene Expression and Prognosis
     Auer, Gert (Stockholm, Sweden)

7:30  WELCOME COCKTAIL

SESSION 1 - SATURDAY, JANUARY 24

Every talk includes a 5-10-minute discussion at the end.

Chaired By: Haas, Oskar and Giaretti, Walter

Clinical Aneuploidy I

8:45  2. Chromosomes, Ploidy and Genetic Imbalances of Lung Cancer
     Petersen, Iver (Berlin, Germany)

9:15  3. Aneuploidy and Gene Mutations in Human Sporadic Colorectal Adenomas
     Giaretti, Walter (Genoa, Italy)

9:45  4. DNA-Aneuploidy as a Marker of Progression in ASCUS and L-SIL Cervical Smears
     Böcking, Alfred (Duesseldorf, Germany)

10:15-10:30  COFFEE BREAK

10:30  5. Induction of Aneuploidy During Cervical Carcinogenesis: Evidence for an Unstable Tetraploid Intermediate
     Eastmond, David (Riverside, US)

11:00  6. Aneuploidy in Leukemia Development
       Zhang, Luoping (Berkeley, US)

11:30  7. Use of DNA Ploidy Measurements in Screening for Early Cancer and Pre-Neoplastic Lesions of the Uterine Cervix
       Sun, Xiao Rong (Vancouver, Canada)

NOON-1:30  LUNCH

SESSION 2 - SATURDAY, JANUARY 24

Every talk includes a 5-10-minute discussion at the end.

Chaired By: Auer, Gert and Wright, Eric

Aneuploidy: Cause or Consequence of Cancer? I

1:30  8. Carcinogenesis by Aneuploidization
     Duesberg, Peter (Berkeley, US)

2:10  9. The Induction of Chromosomal Instability as an Indirect Response to Ionizing Radiation and Other Toxic Agents
     Wright, Eric (Dundee, UK)

       Reith, Albrecht (Oslo, Norway)

3:10  11. Instability of Chromosome Structure in Cancer Cells Increases Exponentially with Degrees of Aneuploidy
       Fabarius, Alice (Mannheim, Germany)

3:30-3:45  COFFEE BREAK

Origins and Consequence of Aneuploidy II

       Rasnick, David (Berkeley, US)

       Nagele, Robert (Stratford, US)

       Cooper, Stephen (Ann Arbor, US)

NOON-1:30  LUNCH

SESSION 3 - SUNDAY, JANUARY 25

Every talk includes a 5-10-minute discussion at the end.

Chaired By: Ried, Thomas and Duesberg, Peter

Clinical Aneuploidy II

9:00  15. Genetic Pathways and Determinants of Clinical Outcome in Colorectal Cancer
       Risques, Rosana (Barcelona, Spain and Seattle, US)

9:30  16. Genomic Instability and Progression to Cancer in Two Models of Preneoplastic Disease: Barrett’s Esophagus and Ulcerative Colitis
       Rabinovitch, Peter (Seattle, US)

10:00  17. Biological and Clinical Significance of Nonrandom Aneuploidy Patterns in Childhood Acute Lymphoblastic Leukemias (ALL)
       Haas, Oskar (Vienna, Austria)

10:30-10:45  COFFEE BREAK

Origins and Consequence of Aneuploidy II

10:45  18. Induction of Aneuploidy and Changes in Replication Patterns by Electromagnetic Fields
       Korenstein, Rafi (Tel Aviv, Israel)

       Fukasawa, Kenji (Cincinnati, US)

11:45  20. Chromosomal Alterations During Lymphatic and Liver Metastasis Formation of Colorectal Cancer
       Knösel, Thomas (Berlin, Germany)

NOON-1:30  LUNCH