THURSDAY 24. JUNE. 2010

11:00 Conference desk opens

12:00 Gathering and registration

13:00 Welcome remarks – Conference Chairs

13:10 Keynote 1: Joe W. Gray, Lawrence Berkeley National Laboratory:

* A systems biology approach to HER2 signaling *

13:50 Session 1:

13:50 Peter Van Loo: Allele-specific copy number analysis of breast carcinomas

14:10 Natasa Przulj: Uncovering melanogenesis regulatory pathways from protein-protein interaction networks: the computational method and software tool

14:30 Break

15:00 Keynote 2: Rachel Karchin, Johns Hopkins University:

* High throughput annotation of somatic mutations in cancer: computational challenges *

15:40 Session 2:

15:40 Chris Greenman: Estimating rearrangement evolution in cancer with massively parallel paired end sequencing

16:00 Charlotte KY Ng: Copy number and high-throughput sequencing analysis of heterogeneity and tumour evolution in ovarian cancer

16:20 Yinyin Yuan: Inferring deregulation networks of copy number driven expression in cancer sub-types

16:40 Poster session with tapas
FRIDAY 25.JUNE.2010

08:30  Conference desk opens

09:00  Keynote 3: **Gordon B. Mills**, The University of Texas M. D. Anderson Cancer Center
       *Systems approach to personalized medicine*

09:40  Session 3:

09:40  Gurkan Bebek: **PETALS: Proteomic Evaluation and Topological Analysis of a mutated Locus’ Signaling**

10:05  Anaïs Baudot  *Extending pathways and processes using molecular interaction networks to analyse cancer genome data*

10:30  Break

11:00  Keynote 4: **David Botstein**, Princeton University
       *Genomics, Computation, and the Nature of Biological Understanding*

11:40  Session 4:

11:40  Anna Ritz: **Detection of recurrent rearrangement breakpoints from array copy number data**

12:05  Hiroko Solvang: *Linear and non-linear dependencies between copy number aberrations and mRNA expression reveal distinct molecular pathways in breast cancer*

12:30  Lunch

14:00  Keynote 5: **Yosef Yarden**, The Weizmann Institute of Science
       *Fine tuning of oncogenic signaling: coordinated networks of mRNAs and microRNAs*

14:40  Session 5:

14:40  Israel Steinfeld: **Understanding miRNA roles in breast cancer through enrichment networks**

15:00  Ali Tofigh: *Stromal-epithelial interactions in breast cancer using patient-matched gene expression data*

15:20  Break

15:40  Keynote 6: **Alfonso Valencia**, Spanish National Cancer Research Centre
       *Protein networks in the interpretation of cancer genome data*

16:20  Concluding remarks and meeting closure