THE CANCER GENOME ATLAS: AN EXTRAORDINARY ENTERPRISE
DAY 1 : THURSDAY APRIL 14th

1:00 pm – 1:10 pm  Welcome by Organizers
Roel Verhaak, PhD, assistant professor, MD Anderson Cancer Center

1:10 pm – 2:00 pm  Keynote Address: Overview of The Cancer Genome Atlas
Anna Barker, PhD, former NCI deputy director

2:00 pm – 2:30 pm  Tissue accrual and processing for The Cancer Genome Atlas
Kenna Shaw, PhD, TCGA Scientific Projects Manager, NCI

2:30 pm – 3:00 pm  Mutation Profiling in Human Cancer Using Next Generation Sequencers
David Wheeler, PhD, associate professor, Baylor College of Medicine

3:00 pm – 3:30 pm  Break

3:30 pm – 4:00 pm  Genomic Approaches to Cancer Classification
Neil Hayes, MD, MPH, associate professor, University of North Carolina

4:00 pm  - 4:20 pm  The MD Anderson Genome Data Analysis Center: An Overview
John Weinstein, MD, PhD, professor, MD Anderson Cancer Center

4:20 pm  - 4:40 pm  Batch effects in TCGA data: prevention, diagnosis, and correction
Rehan Akbani, PhD, postdoctoral associate, MD Anderson Cancer Center
Nianxiang Zhang, Research Statistical Analyst, MD Anderson Cancer Center

4:40 pm  - 5:00 pm  The MDACC GDAC - Quality Control and Reproducibility
Keith Baggerly, PhD, professor, MD, PhD, MD Anderson Cancer Center

5:00 pm – 5:30 pm  Panel discussion: Technology development in the Cancer Genome Atlas
David Wheeler, PhD, associate professor, Baylor College of Medicine
Peter Laird, PhD, associate professor, University of Southern California
Neil Hayes, MD, MPH, associate professor, University of North Carolina
Gordon Mills, MD, PhD, professor, MD Anderson Cancer Center
Kenna Shaw, PhD, TCGA Scientific Projects Manager, NCI

5:30 pm - 6:30 pm  Reception/Poster Session
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DAY 2 : FRIDAY APRIL 15th

9:00 am – 9:30 am  Analysis and Interpretation: the GDACs
Greg Eley, PhD, TCGA Program Office

9:30 am – 10:00 am  Production and analysis of TCGA methylation data
Peter Laird, PhD, associate professor, University of Southern California

10:00 am - 10:30 am  TCGA GBM results
Al Yung, MD, professor, MD Anderson Cancer Center

10:30 am – 11:00 am  Break

11:00 am - 11:30 am  TCGA Ovarian results
Gordon Mills, MD, PhD, professor, MD Anderson Cancer Center

11:30 am – 12:00 am  Integrated genomic analysis of gene expression subtypes provides clinical and biological insights in serous ovarian cancer and glioblastoma
Roel Verhaak, PhD, assistant professor, MD Anderson Cancer Center

12:00 am – 12:30 pm  Integrative analysis of gene and microRNA expression in ovarian cancer
Chad Creighton, PhD, assistant professor, Baylor College of Medicine

12:30 pm - 12:50 pm  Panel discussion: The future of TCGA
John Weinstein, MD, PhD, professor, MD Anderson Cancer Center
Peter Laird, PhD, associate professor, University of Southern California
Roel Verhaak, PhD, assistant professor, MD Anderson Cancer Center
Greg Eley, PhD, TCGA Program Office
Gordon Mills, MD, PhD, professor, MD Anderson Cancer Center

12:50 pm - 1:00 pm  Closing remarks
John Weinstein, MD, PhD, professor, MD Anderson Cancer Center

1 pm - 2 pm  Lunch

2:00 pm - 5:00 pm  Optional post-conference workshop (separate registration):
A hands-on introduction to accessing TCGA data
Tools and resources for analyzing the data
(BYOLT - Bring Your Own LapTop)
Ari Kahn, PhD, Bioinformatics Scientist at SRA International