



Workshop

March 11, 2016 (Friday)

**Title: NGS Data Analysis with R / Bioconductor (Differential expression,
RNA-Seq)**

SCHEDULE

Fri, Mar 11, 2016

09:00-10:00 AM	Overview of RNA-Seq technology, NGS data types, normalization methods
<i>10:00-10:10 AM</i>	<i>Short break</i>
10:10-11:00 AM	Analysis of RNA-Seq data with R / Bioconductor (load workflow, set up targets file, reads pre-processing, alignments)
<i>11:00-01:15 PM</i>	<i>Lunch break</i>
01:15-02:15 PM	Continue.....Analysis of RNA-Seq data with R / Bioconductor (alignment summary, annotations, read counting, RPKMs, sample clustering)
<i>02:15-02:25 PM</i>	<i>Short break</i>
02:25-04:00 PM	Continue.....Analysis of RNA-Seq data with R / Bioconductor (differential expression, vienn plots, GO enrichment analysis, gene-wise clustering, IGV visualization)

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