

**Workshop on**  
**“Data Integration & Mining of Omics Data”**

**Day 1**

Time		Topic
9.30	10.30	NGS Overview/Applications
10.30	10.45	coffee break
10.45	12.00	NGS Tutorial - Quality Control
12.00	13.15	lunch
13.15	14.00	NGS Tutorial - Alignment
14.00	15.00	NGS Tutorial - Peak Calling
15.00	15.15	coffee break
15.15	16.00	NGS Tutorial - Variant Calling
16.00	16.30	preview Q & A

**Day 2**

Time		Topic
9.30	10.30	OpenTargets Overview & Platform Walkthrough
10.30	10.45	coffee break
10.45	12.00	OpenTargets Exercise
12.00	13.15	lunch
13.15	14.00	OpenTargets REST API/Data Access
14.00	15.00	Seminar Talk
15.00	15.15	coffee break
15.15	16.00	OpenTargets REST API/Data Access II
16.00	16.30	preview Q & A

**Day 3**

Time		Topic
9.30	10.30	Ensembl Overview & Region in Detail
10.30	10.45	coffee break
10.45	12.00	Ensembl Gene & Transcript
12.00	13.15	lunch
13.15	14.00	Ensembl Variation & VEP
14.15	15.00	Ensembl REST API
15.00	15.15	coffee break
15.15	16.00	Ensembl REST API II
16.00	16.30	Biomart Overview & Walkthrough
16.30	16.45	Wrap-up