

Next Gen Assembly Workshop:

| Day | Time | Title | People | Context/content |
|-----------|-------|---|--|--|
| Monday | 09.00 | welcome | Mark Blaxter | welcome to the workshop, aims and goals, round-robin of participants Introduction to Next-Gen sequencing |
| | 09.30 | CPU logins | [NESC staff] | Using your workstation for the workshop; wireless access for laptops |
| | 10.00 | Workshop session 1: Data Formats; QC; Data Munging | John Davey, Sujai Kumar | Raw data formats Aligned data formats Converting between formats Raw data QC - 454 Raw data QC - Illumina Trimming raw data for quality Trimming raw data for adapters and other 'artifacts' QC of assemblies Practical session: performing QC tasks and trim tasks |
| | 12.30 | Lunch | | |
| | 14.00 | Workshop session 2: Newbler; Visualising Assemblies | Urmi Trivedi, Stephen Bridgett, Ben Elsworth | Introduction to Newbler Installing Newbler Practical session: Assembling 454 genome data using wide range of parameter sets and data QC outputs Introduction to Visualisation (Tablet, Hawkeye) Practical session: Visualising the Newbler assemblies |
| | 17.00 | close day 1 | | |
| Tuesday | 09.00 | Workshop session 3: Velvet and Curtain | Matthias Haimel, EBI | [to be defined by Mathias] Introduction to Velvet Installing Velvet Practical session: Using Velvet |
| | 12.30 | Lunch | | |
| | 14.00 | <i>NextGenBUG</i> | | <i>see separate schedule</i> |
| | 17.00 | close day 2 | | |
| Wednesday | 09.00 | Workshop session | Tony Travis, | Introduction to mixed data assemblies |

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| | | 4: Mixed data assemblies; MIRA and minimus2 | Aberdeen, Urmi Trivedi | Introduction to MIRA Installing MIRA Introduction to minimus2 Installing minimus2 Practical session: Combining Velvet/SOLEXA and Newbler/454 assemblies |
| | 12.00 | wrap-up | Mark Blaxter | where did we get to, where do we want to go? |