

TrainMALTA HTS Bioinformatics Summer School 2016

ICT Informatics Lab Room -1b02, Faculty of ICT, University of Malta Campus

| | Monday 12 th September | Tuesday 13 th September | Wednesday 14 th September | Thursday 15 th September | Friday 16 th September |
|---------------|---|--|--|--|--|
| 8:30 – 10:00 | Introduction to Unix/Linux part I Luigi Grassi Romina Petersen | Introduction to HTS and quality control part I Luigi Grassi Romina Petersen | Mapping sequence reads part I (with focus on RNA-seq) Ernest Turro Romina Petersen Luigi Grassi | WGS: mapping and variant calling part I Stefan Gräf | WGS: variant annotation and interpretation part III Stefan Gräf Ernest Turro |
| 10:00 – 10:30 | <i>Coffee break</i> | <i>Coffee break</i> | <i>Coffee break</i> | <i>Coffee break</i> | <i>Coffee break</i> |
| 10:30 – 12:30 | Introduction to Unix/Linux part II Luigi Grassi Romina Petersen | Introduction to HTS and quality control part II Luigi Grassi Romina Petersen | Mapping sequence reads part II (with focus on RNA-seq) Ernest Turro Romina Petersen Luigi Grassi | WGS: mapping and variant calling part II Stefan Gräf | WGS: variant annotation and interpretation part IV Stefan Gräf Ernest Turro |
| 12:30 – 13:30 | <i>Lunch break</i> | <i>Lunch break</i> | <i>Lunch break</i> | <i>Lunch break</i> | <i>Lunch break</i> |
| 13:30 – 15:00 | Introduction to R part I Luigi Grassi Romina Petersen | Introduction to relevant statistical concepts part I Will Astle | Transcript expression estimation, normalisation and differential expression analysis part I Ernest Turro | WGS: variant annotation and interpretation part I Stefan Gräf | Integrative analysis: eQTLs/machine learning part I Roman Kreuzhuber |
| 15:00 – 15:30 | <i>Coffee break</i> | <i>Coffee break</i> | <i>Coffee break</i> | <i>Coffee break</i> | <i>Coffee break</i> |
| 16:00 – 17:00 | Introduction to R part II Luigi Grassi Romina Petersen | Introduction to relevant statistical concepts part II Will Astle | Transcript expression estimation, normalisation and differential expression analysis part II Ernest Turro | WGS: variant annotation and interpretation part II Stefan Gräf | Integrative analysis: eQTLs/machine learning part II Roman Kreuzhuber |
| 20:00 | | | | | Networking Dinner at Gululu (Spinola Bay, St. Julians) |