

Date	Lecturer	Content	Paper Title 1 (with link to PubMed)	Paper Presenter 1 (first and last name)	Paper Title 2 (with link to PubMed)	Paper Presenter 2 (first name and last name)
Mo 14.09.2015	Mark; Hubert	administrative structure Linux basics Bioconductor basics Molecular Biology basics: genome; genes; transcription; DNA binding; DNA modification; histone modifications				
Mo 21.09.2015	Hubert	exploratory data analysis: clustering, PCA, ... error types: FP, FN, power error rates: FPR, FDR, FWER				
Mo 28.09.2015	Hubert; Mark	technologies: RNA, DNA variants, de novo, meth, chip- seq				
Mo 05.10.2015	Mark	limma				
Mo 12.10.2015	Mark	beyond limma				
Mo 19.10.2015	Mark	NGS intro; intro to mapping				
Mo 26.10.2015	Hubert	more on mapping	<a href="http://journals.plos.org/plosgenetics/article?id=10.1371/journal.pgen.0030161">http://journals.plos.org/plosgenetics/article?id=10.1371/journal.pgen.0030161</a>	Lourdes		
Mo 02.11.2015	Hubert	RNA-seq quantification	<a href="http://www.pnas.org/content/100/16/9440.full.pdf">http://www.pnas.org/content/100/16/9440.full.pdf</a>	Mattia	<a href="http://biostatistics.oxfordjournals.org/content/14/1/113.long">http://biostatistics.oxfordjournals.org/content/14/1/113.long</a>	Elriedy
Mo 09.11.2015	Mark	differential counts	<a href="http://nar.oxfordjournals.org/content/40/10/e72">http://nar.oxfordjournals.org/content/40/10/e72</a>	Marisa Silva	<a href="http://www.nature.com/nbt/journal/v32/n5/full/nbt.2862.html">http://www.nature.com/nbt/journal/v32/n5/full/nbt.2862.html</a>	Stefan
Mo 16.11.2015	Hubert	more on differential counts	<a href="http://www.nature.com/nmeth/journal/v10/n12/full/nmeth.2658.html">http://www.nature.com/nmeth/journal/v10/n12/full/nmeth.2658.html</a>	Natacha		
Mo 23.11.2015	Mark	isoform switching	<a href="http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2945392/">http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2945392/</a>	Helena		
Mo 30.11.2015	Mark	epigenomics, DNA methylation	<a href="http://bioinformatics.oxfordjournals.org/content/29/13/1647.long">http://bioinformatics.oxfordjournals.org/content/29/13/1647.long</a>	Elli		
Mo 07.12.2015	Mark	ChIP; GeneSet Analysis	<a href="http://biorxiv.org/content/early/2015/09/25/011890">http://biorxiv.org/content/early/2015/09/25/011890</a>	Verena		
Mo 14.12.2015	Hubert	Classification				