

Stat Methods lecture 2015



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Date

	A	B	C	D	E	
1	Date	Lecturer	Content	Paper Title 1 (with link to PubMed)	Paper Presenter 1 (first and last name)	Paper Title 2 (with link)
2	Mo 14.09.2015	Mark; Hubert	administrative structure Linux basics Bioconductor basics Molecular Biology basics: genome; genes; transcription; DNA binding; DNA modification; histone modifications			
3	Mo 21.09.2015	Hubert	exploratory data analysis: clustering, PCA, ... error types: FP, FN, power error rates: FPR, FDR, FWER			
4	Mo 28.09.2015	Hubert; Mark	technologies: RNA, DNA variants, de novo, meth, chip-seq			
5	Mo 05.10.2015	Mark	limma			
6	Mo 12.10.2015	Mark	beyond limma			
7	Mo 19.10.2015	Mark	NGS intro; intro to mapping			
8	Mo 26.10.2015	Hubert	more on mapping	http://journals.plos.org/plosgenetics/article?id=10.1371/journal.pge	Lourdes	
9	Mo 02.11.2015	Hubert	RNA-seq quantification	http://www.pnas.org/content/100/16/9440.full.pdf	Matia	http://biostatistics.oxford
10	Mo 09.11.2015	Mark	differential counts	http://nar.oxfordjournals.org/content/40/10/e72	Marisa Silva	http://www.nature.com/
11	Mo 16.11.2015	Hubert	more on differential counts	http://www.nature.com/nmeth/journal/v10/n12/full/nmeth.2658.htm	Natacha	
12	Mo 23.11.2015	Mark	isoform switching	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2945392/	Helena	
13	Mo 30.11.2015	Mark	epigenomics, DNA methylation	http://bioinformatics.oxfordjournals.org/content/29/13/1647.long	Elili	
14	Mo 07.12.2015	Mark	ChIP; GeneSet Analysis	http://biorxiv.org/content/early/2015/09/25/011890	Verena	
15	Mo 14.12.2015	Hubert	Classification			
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Sheet1

