



A Quantitative Overview to Gene Expression Profiling in Animal Genetics

Antonio (Toni) Reverter
Bioinformatics Group
CSIRO Livestock Industries
Queensland Bioscience Precinct
St Lucia, Qld 4067, Australia

Armidale Animal Breeding Summer Course, UNE, Feb. 2006



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Keep it simple

Teach by example

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COURSE PROGRAM

	Day 1	Day 2	Day 3	Day 4
09:00 – 11:00	0. Preamble 1. Intro: Challenges	4. Bias and Normalisation 5. Intensities vs Ratios	11. Affymetrix	16. Co-Expression 17. Networks
11:15 – 12:45	2. Design of Experiments	6. Multiple testing & FDR 7. Mixed-Models I	12. MPSS 13. Sensitivity	18. Network Dynamics - Digital Organisms
13:45 – 15:15	3. GP3xCLI	8. Mixtures 9. Bayesmix 10. Mixed-Model II	14. Gene Ontologies 15. Clustering - PermutMatrix	19. Final Remarks: - Genetical Genomics - Systems Biology
15:30 – 17:30	Computer Session – Computer Session – Computer Session			
	GP3xCLI	Mixed-Models Mixtures	Sensitivity Clustering Ontologies	