

## WORKSHOP PROGRAMME

03.07.2013

08:00-09:00	Registration
09:00-09:30	<p>🚩 Opening Ceremony</p> <ul style="list-style-type: none"> <li>√ Dr. Hasan ÖNDER Head of Biometry-Genetics Unit</li> <li>√ Prof. Dr. Musa SARICA Head of Animal Science Department</li> </ul>
09:30-12.30	<p><b>Prof. Dr. Dorian Garrick</b></p> <ul style="list-style-type: none"> <li>√ Conventional Prediction using pedigree relationships</li> <li>√ Models to predict single SNP effects                             <ul style="list-style-type: none"> <li>○ Fixed effects models</li> <li>○ Fitting SNPs as random effects</li> </ul> </li> </ul>
12:30-14:00	Lunch
14:00-17.00	<p><b>Prof. Dr. Rohan Fernando</b></p> <ul style="list-style-type: none"> <li>√ Bayesian Methods                             <ul style="list-style-type: none"> <li>○ Bayes theorem</li> <li>○ Gibbs sampler vs Metropolis-Hastings</li> </ul> </li> </ul>

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09:00-10.30	<p><b>Prof. Dr. Dorian Garrick</b></p> <ul style="list-style-type: none"> <li>√ Genomic Prediction                             <ul style="list-style-type: none"> <li>○ An equivalent (animal) model for genomic prediction</li> </ul> </li> </ul>
10:30-10.50	Coffee Break
10:50-12:30	<p><b>Prof. Dr. Rohan Fernando</b></p> <ul style="list-style-type: none"> <li>√ Bayesian methods applied to genomic prediction                             <ul style="list-style-type: none"> <li>○ Bayes A &amp; B</li> <li>○ Bayes C &amp; GBLUP</li> </ul> </li> </ul>
12:30-14:00	Lunch
14:00-17.00	<p><b>Prof. Dr. Dorian Garrick</b></p> <ul style="list-style-type: none"> <li>√ Application of genomic prediction models to real data</li> </ul>

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09:00-10:30	<p><b>Prof. Dr. Rohan Fernando</b></p> <ul style="list-style-type: none"> <li>√ Haplotype Models</li> <li>√ GWAS and finding QTL regions</li> </ul>
10:30-10:50	Coffee Break
10:50-12:30	<p><b>Prof. Dr. Dorian Garrick</b></p> <ul style="list-style-type: none"> <li>√ BIGS genomic selection analysis software</li> </ul>
12:30-14:00	Lunch
14:00-16:00	<p><b>Prof. Dr. Rohan Fernando</b></p> <ul style="list-style-type: none"> <li>√ Pooling genomic EBV and pedigree or own information                             <ul style="list-style-type: none"> <li>○ Single Step GBLUP</li> <li>○ Single Step Bayesian Regression</li> </ul> </li> </ul>
16:00-17:00	√ Workshop Assessment
19:00	Gala Dinner