<table>
<thead>
<tr>
<th>Monday 11th March 2013</th>
<th>Arrival and Coffee</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Room</strong>&lt;br&gt;D.E. Williams I&lt;br&gt;10:30-13:00 <strong>Session 1A</strong>&lt;br&gt;Soils &amp; Fertilizers&lt;br&gt;Chairperson: Dr Stan Lalor</td>
<td><strong>Room</strong>&lt;br&gt;D.E. Williams II&lt;br&gt;10:30-13:00 <strong>Session 1B</strong>&lt;br&gt;Animal Reproduction&lt;br&gt;Chairperson: Dr Trudee Fair</td>
</tr>
<tr>
<td>13:00–14:00 Lunch in Restaurant</td>
<td></td>
</tr>
<tr>
<td>14:00 -16:00 <strong>Session 2A</strong>&lt;br&gt;Environment &amp; Emissions&lt;br&gt;Chairperson: Dr Eimear Ruane</td>
<td>14:00 -16:00 <strong>Session 2B</strong>&lt;br&gt;Animal Nutrition&lt;br&gt;Chairperson: Dr Alan Kelly</td>
</tr>
<tr>
<td>15:45-16:15 Tea: Foyer</td>
<td></td>
</tr>
<tr>
<td>16:15-18:15 <strong>Session 3A</strong>&lt;br&gt;Production Systems &amp; Economics&lt;br&gt;Chairperson: Dr Paul Crosson</td>
<td>16:15-18:15 <strong>Session 3B</strong>&lt;br&gt;Molecular Genetics&lt;br&gt;Chairperson: Dr Ruth Hamill</td>
</tr>
<tr>
<td>18:15 Review of conference and proposals for further development (D.E. Williams II)</td>
<td></td>
</tr>
<tr>
<td>20:00 Conference Dinner (D.E. Williams I)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tuesday 12th March 2013</th>
<th><strong>Session 4</strong>&lt;br&gt;Animal Breeding&lt;br&gt;Chairperson: Dr Alan Fahey</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30-10:30</td>
<td><strong>Session 5A</strong>&lt;br&gt;Grassland &amp; Biodiversity&lt;br&gt;Chairperson: Dr Emer Kenendy</td>
</tr>
<tr>
<td>10:30-11:00</td>
<td><strong>Session 5B</strong>&lt;br&gt;Animal Health 1&lt;br&gt;Chairperson: Michael Gottstein</td>
</tr>
<tr>
<td>11:00–13:00</td>
<td><strong>Session 6A</strong>&lt;br&gt;Grassland &amp; Animal Production&lt;br&gt;Chairperson: Dr Eva Lewis</td>
</tr>
<tr>
<td>13:00 – 14:15 Lunch in Restaurant</td>
<td></td>
</tr>
<tr>
<td>14:15-16:45</td>
<td><strong>Session 6B</strong>&lt;br&gt;Animal Health 2&lt;br&gt;Chairperson: Dr Martin Danaher</td>
</tr>
<tr>
<td>16:15-16:45</td>
<td>Tea: Foyer</td>
</tr>
<tr>
<td>10:30</td>
<td>10-minute Theatre &amp; 5-Minute Discussion</td>
</tr>
<tr>
<td>-------</td>
<td>--------------------------------------</td>
</tr>
<tr>
<td>Nutrient uptake in soil niches affected by plant species and drought stress</td>
<td>N.J. Hoekstra, J.A. Finn and A. Lüscher</td>
</tr>
<tr>
<td>Effects of soil type and climate on soil nitrogen supply and soil nitrogen utilisation by grass</td>
<td>N.T. McDonald, C.J. Watson, R.J. Laughlin, S.T.J. Lalor and D.P. Wall</td>
</tr>
<tr>
<td>Holstein Friesian versus Jersey crossbred cows-how does their respective live-weight and stocking-densities affect treading damage on poorly drained soils?</td>
<td>P. Tuohy, J. Humphreys, O. Fenton and N.M. Holden</td>
</tr>
<tr>
<td>Bacterial and fungal communities in the mycorrhospheres of Agrostis, Lolium and Plantago respond to inoculation with arbuscular mycorrhizal fungi</td>
<td>J. Gahan and A. Schmalenberger</td>
</tr>
<tr>
<td>The microbial mobilisation of sulphur and phosphorous in biochar amended soil</td>
<td>A. Fox, W. Kwapinski and A. Schmalenberger</td>
</tr>
<tr>
<td>Assessing the potential for carbon sequestration in grazed Irish grasslands</td>
<td>Ó. Ní Choncubhair and G. Lanigan</td>
</tr>
<tr>
<td>Determining threshold values for grass field trafficability using the hybrid soil moisture deficit model</td>
<td>S.E. Vero, D.L. Antille, S.T.J. Lalor and N.M. Holden</td>
</tr>
<tr>
<td>An examination of forest productivity by farm soil category and system.</td>
<td>M. Ryan, V. Upton, N. Farrelly and C. O’Donoghue</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3-Minute Presentations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effect of sub-soiling or aeration/spiking of soils on herbage dry matter yield</td>
</tr>
<tr>
<td>Biological nitrification inhibition in the rhizosphere of contrasting plants</td>
</tr>
<tr>
<td>Dicyandiamide (DCD) degradation in soil and implications for nitrification</td>
</tr>
</tbody>
</table>
Monday 11th March 2013
Session 1B: Animal Reproduction

Venue D.E. Williams II
Chair Dr Trudee Fair, School of Agriculture and Food Science, University College Dublin, Belfield, Dublin.

10-minute Theatre & 5-Minute Discussion

10:30
Risk factors associated with reproductive tract status
*T. Carthy, A. Fitzgerald, S. McParland, D.P. Berry, E.J. Williams, A.R. Cromie and D. Ryan*

Effect of pasture based systems on reproductive performance, sub-clinical endometritis and immune status.
*H Watson, ACO Evans and ST Butler*

The effect of genetic merit for fertility traits on dry matter intake, resumption of cyclicity and uterine health
*S.G. Moore, A.C.O. Evans, P. Lonergan, T. Fair and S.T. Butler*

Expanding the dairy herd in pasture-based systems: the role for sexed semen use on virgin heifers
*I.A. Hutchinson, L. Shalloo, and S.T. Butler*

The bovine uterine proteome is associated with stage of cycle and changes in the concentration of systemic progesterone
*S. Faulkner, G. Elia, P. O'Boyle, M. Dunn and D. Morris*

Twinning and multiple ovulations in Irish dairy and beef cows
*A.M. Fitzgerald, T. Carthy, D.P. Berry, S. Coughlan, and D.P. Ryan*

3-Minute Presentations

Expanding the dairy herd in pasture-based systems: the role for sexed semen use on virgin heifers and lactating dairy cows
*I.A. Hutchinson, L. Shalloo, and S.T. Butler*

The effect of genetic merit for fertility traits on the follicular fluid of dairy cows

Effect of progesterone supplementation in the luteal phase on pregnancy per artificial insemination in lactating dairy cows.
*M.H. Parr, MA. Crowe, P. Lonergan, A.C.O. Evans, D. Rizos, J.F. Roche and M.G. Diskin*

Differential gene expression and alternative transcription in endometrial tissue of a lactating cow model of fertility
*B. Moran, S.T. Butler, S.B. Cummins, S. Moore, D. McHugh and C.J. Creevey*
Monday 11th March 2013  
Session 2A: Environment and Emissions  
Venue D.E. Williams I  
Chair Dr Eimear Ruane, Teagasc, Animal & Grassland Research and Innovation Centre, Moorepark, Fermoy, Co. Cork.

10-minute Theatre & 5-Minute Discussion

14:00  Cattle slurry application to grassland – collating recent research to give practical advice – A Review  
S Lalor  

Nitrous oxide emissions from white clover based grassland used for dairy production  
W. Burchill, D. Li, G. Lanigan, M. Williams and J. Humphreys  

How does co-product allocation affect the carbon footprint of a high performing grass-based milk production system?  
D. O’Brien, B. Horan and L. Shalloo  

Effect of retention time and feeding regime using dairy cow slurry and grass silage on energy production from anaerobic digestion  
S.R. Gilkinson and J.P. Frost  

Evaluating the response to phosphorus fertilizer application rate and application method in spring barley across a range of soil test P fertility levels  
D.P. Wall and M. Plunkett  

3-Minute Presentations

Modelling the surface of a paddock affected by urine deposition by dairy cows during grazing  
C. Paillette, L. Delaby, L. Shalloo, D. O’Connor and D. Hennessy  

Methane emissions from growing beef cattle zero-grazed on lowland and upland pasture  
A.S. Richmond, A.R.G. Wylie, A.S. Laidlaw, F.O. Lively and N. O’Connell  

Inhibition of in vitro rumen methanogenesis for different feed substrates by adding statins  
M. O’Brien, P. O’Kiely and T. Boland  

Impacts of bromochloromethane added to two feed substrates on in vitro rumen methanogenesis  
M. O’Brien, P. O’Kiely and T. Boland
Monday 11th March 2013
Session 2B: Animal Nutrition
Venue D.E. Williams II
Chair Dr Alan Kelly, School of Agriculture and Food Science, University College Dublin, Belfield, Dublin.

10-minute Theatre & 5-Minute Discussion

14:00 The effects of silage digestibility on concentrate sparing in finishing beef cattle, lactating dairy cows, pregnant ewes and finishing lambs - A Review
T.W.J. Keady and J.P. Hanrahan

Performance of finishing cattle consuming diets based on grass silage plus fodder beet roots or rolled barley
P. O’Kiely and A.P. Moloney

The effect of offering concentrate feeds which differ in crude protein and phosphorus concentration to grazing dairy cows in spring on milk yield and composition and animal N and P status
M. Reid, M. O’Donovan, J.S. Bailey, C. Elliott, C.J. Watson, J.P. Murphy, F. Coughlan and E. Lewis

Sensory characteristics of muscle from Angus x Holstein/Friesian and Belgian Blue x Holstein/Friesian heifers slaughtered at two ages
A. P. Moloney and R. I. Richardson

Milk production performance of autumn-calving Holstein Friesian cows managed under flat-rate or feed-to-yield concentrate feeding systems
J. Patton and A. Lawless

Effect of growth rate during the first indoor winter on performance to slaughter of late-maturing weaned suckler bred bulls.
D. Marren, M. McGee, A.P. Moloney, A. Kelly, and E.G. O’Riordan

3-Minute Presentations

Using sodium bentonite to increase silage intake
P. O’Kiely and R. Berthiaume

Carcass traits and visceral organ weights of beef bulls differing in phenotypic residual feed intake
C. Fitzsimons, D.A. Kenny and M. McGee

Effect of nutritional restriction in late pregnancy on performance of suckler cows and birth weight and passive immune status of their calves
M. McGee and B. Earley

Effects of milk feeding volume and frequency on weight gain in dairy heifer calves
C. Cummins, M. Conneely, J.P. Murphy, F. Coughlan, I. Lorenz and E. Kennedy

Effects of using Uniblock drystock energy as a supplement in late pregnancy for twin-bearing ewes
C.P. Ryan, K.M., McDermott, and T.M. Bolan.
Monday 11th March 2013
Session 3A: Production Systems & Economics

Venue: D.E. Williams I
Chair: Dr Paul Crosson, Teagasc, Animal & Grassland Research and Innovation Centre, Grange, Co. Meath.

10-minute Theatre & 5-Minute Discussion

16:00 Increasing the profitability of BETTER Sheep Farms
C.O. Lynch, K Connolly and M.G. Diskin

Characterisation of contrasting spring milk production systems
G. Ramsbottom, B. Horan and D. Berry

Benchmarking scale efficiency of Irish beef farms
E. Finneran and P. Crosson,

The effect of a seasonal versus a non-seasonal milk supply profile on the profitability of the farm and processing sectors
U. Geary and L. Shalloo

Evaluating expansion strategies for startup EU dairy farm businesses
R. McDonald, L. Shalloo, K. M. Pierce, and B. Horan

The ability of the commercial farmer to follow a target driven growth plan promoting calving at 24 months
F. M. Titterington, S. Morrison, F. O. Lively and A. Gordon

3-Minute Presentations

Effects of production system on early maturing dairy cross heifers
R. Prendiville, B. Swan and P. French

Incorporating compensatory growth into a whole-farm model of dairy calf-to-beef production systems
A. Ashfield, P. Crosson, M. Wallace and M. McGee

Developing a model of dairy cattle to predict milk production across lactations.
E. Ruelle, L. Delaby, M. Wallace and L. Shalloo

The effect of mastitis on the profitability of Irish dairy farms
U. Geary, B. O’Brien, F. McCoy, L. O’Grady and L. Shalloo

Validation of a parameterised mechanistic model in the south of Ireland
C. Hurtado-Uria, D. Hennessy, L. Delaby, D. O’Connor and L. Shalloo

Mathematical modelling of lamb growth rate
J.M. Coyne, P. Creighton and N. McHugh
Monday 11\textsuperscript{th} March 2013  
Session 3B: Molecular Genetics  
Venue D.E. Williams II  
Chair Dr Ruth Hamill, Teagasc, Food Research Centre, Ashtown, Dublin 15.

16:00 
10-minute Theatre & 5-Minute Discussion

Evidence of breed- and sex-specific differences in allele frequencies in the bovine IL gene promoter  
\textit{B. Stojkovic, R. McLoughlin and K. G Meade} 

Effect of dietary restriction and compensatory growth on the hepatic expression of genes of the somatotropic axis in Holstein Friesian bulls  

Genome-wide associations for carcass traits in Irish Holstein-Friesian cattle  
\textit{A.G. Doran, D.P. Berry and C.J. Creevey} 

Genome wide association study for calving performance in Irish cattle  
\textit{D. Purfield, D.G. Bradley, J.F. Kearney, and D.P. Berry,} 

Development of a custom genotyping chip for beef and dairy cattle in Ireland  

3-Minute Presentations

Imputation of parental genotypes in dairy and beef cattle from progeny genotyped at different genotyping densities  
\textit{M.P. Mullen, S. McParland, J.F. Kearney, M. Sargolzaei and D.P. Berry.} 

Associations between novel exonic missense mutations in key genes of the somatotrophic axis and milk yield and composition in dairy cattle  
\textit{M.P. Mullen, D.P. Berry, C.J. Creevey, M.S. McCabe and S.M. Waters.} 

Effect of feed restriction and subsequent compensatory growth on the molecular control of ruminal epithelial function in cattle  

miRNA-seq analysis of hepatic miRNA expression in dairy cows with severe negative energy balance  
\textit{A. Fatima, C. Seoighe, P. O’Boyle, D.J. Lynn and D.G. Morris} 

Genome wide association study for body conformation in Irish dairy cattle  
\textit{D. Purfield and J.M Coyne}
Tuesday 12th March 2013
Session 4A: Animal Breeding

Venue D.E. Williams II
Chair Dr Alan Fahey, School of Agriculture and Food Science, University College Dublin, Belfield, Dublin.

10-minute Theatre & 5-Minute Discussion

08:30 Development of a new management index for the Irish dairy cattle economic breeding index
D.P. Berry, J. Coyne, B. Coughlan, M. Burke, J. McCarthy, A.R. Cromie and S. McParland

Additive genetic, non-additive genetic and permanent environmental effects for female reproductive traits in seasonal calving herds
M.M. Kelleher, F. Buckley, R.D. Evans, D. Ryan, K. Pierce and D.P. Berry

Genetics of linear type traits in Irish dairy cattle

The relationship between milk yield and predicted transmitting ability for maternal weaning weight across four cow breed types
D. Minogue, A. Cromie, M. McGee, W. Minchin and N. McHugh.

Genetic parameters for the Irish sheep population
N. McHugh, E. Wall and T. Pabiou

Genetic parameters of energy status predicted using the mid-infrared spectrum of milk
S. McParland, G. Banos, M.P. Coffey, B. McCarthy M. O’Donovan and D.P. Berry

3-Minute Presentations

Genetic parameters for methane emissions in grazing dairy cows
M.M. Kelleher, E. Lewis, D.P. Berry, M.H. Deighton and F. Buckley

Improvements in the health sub-index for the Irish dairy cattle economic breeding index
D.P. Berry, J. Coyne, J.F. Kearney and S. McParland

Across breed, beef and dairy cattle genotype imputation to high-density genotypes
D.P. Berry, M.P. Mullen and A.R. Cromie.

A comparison of Jersey, Holstein-Friesian and Jersey Holstein-Friesian dairy cows in their ability to digest perennial ryegrass
M. Beecher, F. Buckley, T. Boland, C. Thackaberry, D. Enriquez-Hidalgo, M. O’Donovan and E. Lewis

Comparison of early- and late-maturing suckler bred bulls on contrasting production systems slaughtered at three carcass weights
D. Marren, M. McGee, A.P. Moloney, A. Kelly and E.G. O’Riordan

Accuracy of Irish beef genetic evaluations
N. McHugh, R.D. Evans and A.R. Cromie

Genetic parameters of novel fertility traits derived from reproductive tract ultrasound
T. Carthy, S. McParland, D. Ryan, A.R. Cromie and D.P. Berry

Genetic parameters for calving traits in Irish cattle
D. Purfield, D.G. Bradley, R.D. Evans and D.P. Berry,

Relationships between measures of genetic merit and calving interval and survival rates on Irish winter milk dairy farms
G. Ramsbottom and J. Patton
### Tuesday 12th March 2013

**Session 5A: Grassland and Biodiversity**

**Venue** D.E. Williams I

**Chair** Dr Emer Kennedy, Teagasc, Animal & Grassland Research and Innovation Centre, Moorepark, Fermoy, Co. Cork

---

#### 10-minute Theatre & 5-Minute Discussion

11:00

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground coverage assessments of perennial ryegrass using digital imaging</td>
<td>T.M.H. Lynch, D. Grogan, O.M. Grant, P.J. Dix and S. Barth</td>
</tr>
<tr>
<td>Seasonal variation in organic matter digestibility and fibre content of the morphological components in perennial ryegrass cultivars</td>
<td>M. Beecher, E. Lewis, T. Boland, M. McEvoy, D. Hennessy and M. O’Donovan</td>
</tr>
<tr>
<td>Four-species swards improve productivity and reduce weed invasion in experimental grassland swards across international sites</td>
<td>J.A. Finn, L. Kirwan,, C. Brophy, J. Connolly, M.T. Sebastià and A. Lüscher</td>
</tr>
<tr>
<td>Herbage production and sward clover content in grazed grass white clover plots: effect of N fertiliser application level</td>
<td>D. Enríquez-Hidalgo, T.J. Gilliland, M. O’Donovan, C. Elliott and D. Hennessy</td>
</tr>
<tr>
<td>The influence of white clover inclusion in perennial ryegrass swards on milk and herbage production in a high N fertiliser system</td>
<td>M.J. Egan, M.B. Lynch and D. Hennessy</td>
</tr>
</tbody>
</table>

#### 3-Minute Presentations

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sward structural differences between cultivars of perennial ryegrass (Lolium perenne) during the early summer period</td>
<td>D. Lawrence, M. O’Donovan, T.M. Boland, L., Delaby and M. McEvoy</td>
</tr>
<tr>
<td>The effect of white clover on the competitive hierarchies in perennial ryegrass mixtures</td>
<td>V. Griffith, T. J. Gilliland, D. Enríquez, M. O’Donovan, M. McEvoy and D Hennessy</td>
</tr>
<tr>
<td>Evaluating ClampFilmTM for sealing ensiled grass</td>
<td>P. O’Kiely</td>
</tr>
<tr>
<td>Comparison of grass silage quality in 2011 and 2012</td>
<td>R.S. Park, N.W. Grant and K.E. Whiteside</td>
</tr>
</tbody>
</table>
Tuesday 12th March 2013
Session 5B: Animal Health-1
Venue D.E. Williams II
Chair Michael Gottstein, Head of Sheep Programme, Teagasc, Killarney, Co. Kerry.

10-minute Theatre & 5-Minute Discussion

11:00 Lamb mortality in a prolific flock managed in an intensive grassland system: effect of ewe factors T.W.J. Keady and J.P. Hanrahan 86


The systemic cellular immune profile in pregnant and non-pregnant postpartum dairy cows C. Foley & A. Chapwanya, C. O’Farrelly and K.G. Meade 88


3-Minute Presentations

The association between udder hygiene score and the bacillus cereus count in raw bulk tank milk A. O Connell, D. Gleeson and P. Ruegg 91

Epigenetic regulation of the immune response in cattle R. Doherty, C. O’Farrelly and K. G. Meade. 92


Genotypic diversity and antimicrobial susceptibility status of Irish mastitis-associated Staphylococcus aureus K.E Budd, F. McCoy, J. Mitchell and O.M. Keane 94

Effect of 9-hour transport by road on physiology and performance of young bulls B. Earley, K. R. Backham Sporer and M. A. Crowe 95


Tuesday 12th March 2013  
Session 6A: Grassland & Animal Production  
Venue D.E. Williams I  
Chair Dr Eva Lewis, Teagasc, Animal & Grassland Research and Innovation Centre, Moorepark, Fermoy, Co. Cork

10-minute Theatre & 5-Minute Discussion

14:00 The effect of stocking rate and prolificacy level on the probability of finishing lambs from grass only based systems of production by a fixed date in a given year.
   P. Creighton, F. Kelly and N. McHugh

Short-term milk yield adaptation to changes in post-grazing sward height
   E. Ganche, L. Delaby, M. O’Donovan, T.M. Boland and E. Kennedy

Effect of perennial ryegrass (Lolium perenne) cultivar on milk production and dry matter intake of Holstein Friesian cows during the early summer period
   D. Lawrence, M. O’Donovan, T.M. Boland, L. Delaby, and M. McEvoy

The effect of stocking rate and calving date on the dry matter intake and feed efficiency of three pasture based systems of milk production.
   J. McCarthy, B. McCarthy, K.M. Pierce, L. Delaby, N. Galvin, A. Brennan and B. Horan

Effects of imposing two post-grazing sward heights for varying lengths of time during early lactation on immediate and carryover dairy cow production
   M. Crosse, M. O’Donovan, L. Delaby, T. Boland and E. Kennedy

3-Minute Presentations

Effect of post-grazing sward height and cow type/breed during the main grazing season on milk production
   M. Crosse, M. O’Donovan, L. Delaby, T. Boland and E. Kennedy

Grazed herbage intake of beef heifer breed types in early pregnancy
   M. McGee and W. Minchin

A comparison of the effect of grass clover and grass only swards on dairy cow grazing behaviour on three occasions during the grazing season
   D. Enríquez-Hidalgo, E. Lewis, T.J. Gilliland, M. O’Donovan, C. Elliott and D. Hennessy

A comparison of two pasture-based dairy production systems for a wetland drumlin soil in the Border Midlands West Region of Ireland.
   D. Patton, K.M. Pierce and B. Horan.

Comparison of feeds offered during the winter on replacement dairy heifer bodyweight and weight gain
   E. Kennedy, F. Coughlan, J.P. Murphy and S. Fitzgerald

The effect of offering different supplementary feeds to grazing dairy cows in late lactation on milk yield and milk composition
   M. Reid, M. O’Donovan, J.S. Bailey, C. Elliott, C. J. Watson, J.P. Murphy, F. Coughlan and E. Lewis
Tuesday 12th March 2013
Session 6B: Animal Health -2
Venue D.E. Williams II
Chair Dr Martin Danaher, Teagasc, Food Research Centre, Ashtown, Dublin 15.

10-minute Theatre & 5-Minute Discussion

Assessing the risk posed by Salmonella in pig feed
A.M. Burns, P.G. Lawlor, G.E. Gardiner and G. Duffy

The effect of a developer diet on locomotory ability, claw lesions, joint lesions, bone mineral density and weight in replacement gilts
A.J. Quinn, L.A. Boyle and L.E.Green,

Rubber slat mats improve sow locomotion and reduce the risk of limb lesions.

Genome-wide associations of somatic cell score for Holstein-Friesian cattle in Ireland
B. K. Meredith, N. Lawless, F. J. Kearney, A. G. Fahey, D. G. Bradley and D.J. Lynn

3-Minute Presentations

Effect of pre-partum iodine supplementation of the dairy cow diet on the health status of their calves
M. Conneely, D.P. Berry, I. Lorenz, M.L. Doherty and E. Kennedy

Next generation sequencing reveals the expression of a unique miRNA profile in response to mastitis.
N. Lawless, A. Fourishani, M. McCabe, C. O’Farrelly and D. J. Lynn

Detection of coccidiostat residues in egg and muscle using a multiplexing biochip screening immunoassay

Determination of cyromazine in muscle by using ultra high pressure liquid chromatography mass spectrometry
M. Moloney, J. O’Mahony, P Byrne and M. Danaher

Detection of aminoglycoside residues in honey using a biochip screening array method
J. O’Mahony, L. Clarke, C. Griffin, A. Furey, R. O’Kennedy, and M. Danaher.

Efficacy of post-milking teat disinfection products in reducing bacterial numbers on teats
D. Gleeson, J. Flynn, and B. O’Brien

A method for the detection of Salmonella species, Escherichia coli O:H and Listeria monocytogenes in compost and anaerobic digestate
S. Murphy, M.T. Gaffney, S. Fanning, G. Duffy and C. Burgess

The effects of energy metabolites on bovine macrophage activity in vitro
L. Flannery, D. Morris, S. Lawless, L. Quinlan and A.C. Hynes

Divergent host response to gastrointestinal nematode infection in Scottish Blackface lambs
K. M. McRae, B. Good, J. P. Hanrahan, T. Sweeney, M. J. O’Connell and O. M. Keane