ASI 2018 Convention
NSIP Open Forum

Program

- 1:00 p.m. – 2:00 p.m.
  **Genomics Panel Discussion**
  Dr. Jason Osterstock (Zoetis)
  Ben Pejsar (Neogen GeneSeek)
  Micah Wells (Eurofins-Biodiagnosistscs, Inc.)

- 2:00 p.m. – 2:30 p.m.
  **NSIP Online Searchable Database**
  Rusty Burgett (NSIP Program Director)

- 2:30 p.m. – 3:00 p.m.
  **NSIP Membership Business Meeting**
  Dr. Reid Redden (NSIP Chairman (Texas A&M Agrilife Extension))
Genomics Panel Discussion
Moderator: Dr. Ron Lewis, NSIP Technical Advisor
(University of Nebraska-Lincoln)

- Panelists
  - Dr. Jason Osterstock, Executive Director, Global Genetics, Zoetis
  - Ben Pejsar, Genomic Market Development Manager, Neogen GeneSeek Operations
  - Micah Wells, Business Development Manager, Eurofins-Biodiagnostics, Inc.
What are the ballpark costs of genotype testing?

<table>
<thead>
<tr>
<th>Type of panel</th>
<th>Pig</th>
<th>Cattle</th>
<th>Sheep</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parentage</td>
<td>$15</td>
<td>$15 - $17</td>
<td>$14 - $18</td>
</tr>
<tr>
<td>Conditions†</td>
<td>$12 - $27</td>
<td>$9 - $35</td>
<td>$6 - $37</td>
</tr>
<tr>
<td>Lower density (5 – 35K SNPs)</td>
<td>$25 - $35</td>
<td>$25 - $50</td>
<td>$35 - $45</td>
</tr>
<tr>
<td>Medium density (40 – 80K SNPs)</td>
<td>$40 - $50</td>
<td>$40 - $85</td>
<td>$90 - $295</td>
</tr>
<tr>
<td>Higher density (&gt; 200K SNPs)</td>
<td>$175 - $200</td>
<td>$140 - $160</td>
<td>$200</td>
</tr>
</tbody>
</table>

†Genetic conditions and other major genes
Some general questions for the panel

- What are the key uses of genomics by sheep producers?
- Is phenotyping needed to accompany genotyping?
- What types of genotype panels should we consider?
- Should genotyping platforms be developed specifically for U.S. sheep-types and priorities?
- What are your thoughts on sample collection, processing and storage?
- What are your suggestions about sharing genotype information, particularly with regards to confidentiality?
- What are future opportunities for the use of genomics in our livestock industries?
Your questions to the panelists?

- Panelists
  - Dr. Jason Osterstock, Executive Director, Global Genetics, Zoetis
  - Ben Pejsar, Genomic Market Development Manager, Neogen GeneSeek Operations
  - Micah Wells, Business Development Manager, Eurofins-Biodiagnostics, Inc.
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