

AAVLD Plenary Session
Saturday, October 15, 2016
Imperial D

Moderators: Patrick G. Halbur and Stephen B. Hooser

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| 7:45 AM | Welcome | |
| 7:50 AM | The National Microbiome Initiative: Opportunities for diagnostic medicine and beyond <i>Jo Handelsman</i> | 27 |
| 8:30 AM | Progress on the food animal microbiome and relevance to veterinary diagnostic medicine...using next generation sequencing to unravel complex infectious diseases <i>Paul Plummer</i> | 28 |
| 9:00 AM | Progress on the companion animal microbiome and relevance to veterinary diagnostic medicine <i>Jan Suchodolski</i> | 29 |
| 9:30 AM | Break | |
| 10:00 AM | Precision Medicine: An opportunity for a paradigm shift in veterinary diagnostic medicine <i>KC Kent Lloyd</i> | 30 |
| 10:30 AM | Advances in the use of molecular techniques to detect and monitor antimicrobial resistance <i>Nicole Ricker</i> | 31 |
| 11:00 AM | Use of metabolomics in veterinary diagnostic medicine <i>Elizabeth Ryan</i> | 32 |

AAVLD / USAHA Joint Plenary Session
Monday, October 17, 2016
Imperial DEFGHI

Moderator: Max Armstrong

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|-----------------|---|-----|
| 8:00 AM | Opening Remarks <i>Boyd Parr, Pat Halbur</i> | |
| 8:10 AM | Initial Remarks from Moderator <i>Max Armstrong</i> | 163 |
| 8:25 AM | Economic challenges and opportunities facing U.S. animal agriculture <i>David Kohl</i> | 164 |
| 9:10 AM | Challenges and Opportunities for US Animal Agriculture: Meeting the demands of global and domestic markets while fighting burdensome regulation <i>Dale Moore</i> | 165 |
| 9:55 AM | Panel Discussion | |
| 10:05 AM | Break | |
| 10:20 AM | Experiences with Precision Livestock Farming in Europe <i>Daniel Berckmans</i> | 166 |
| 11:05 AM | Precision breeding to advance animal health and welfare <i>Randall Prather</i> | 167 |
| 11:50 AM | Panel Discussion | |