

27-28  
APRIL  
2022



| Date   | Time             | Track | Presentation Title                                                                                                  | Speaker                                                                                                                                 |
|--------|------------------|-------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 27-Apr | 10:00 - 10:05 AM |       | Welcome to the Embark Canine Health Summit Day 1                                                                    | Ryan Boyko<br>Founder and Chief Executive Officer, Embark Veterinary<br>Jon Ambrose, MBA<br>Professional Services Organization - Embark |
| 27-Apr | 10:05 - 11:15 AM |       | Keynote presentation: Understanding the Genetics of Canine Cancer                                                   | Jacquelyn Evans, PhD<br>Assistant Professor, Baker Institute for Animal Health - Cornell University                                     |
| 27-Apr | 11:15 - 12:00 PM |       | A Deep Time Perspective on the Shared Cultural and Evolutionary History of Dogs and People                          | Greger Larson, PhD<br>Professor of Evolutionary Genomics - University of Oxford                                                         |
| 27-Apr | 11:15 - 12:00 PM |       | Canine Reproductive Emergencies - CE Credit                                                                         | Jenna Dockweiler, MS, DVM, DACT, CCRT, CVAT<br>Veterinary Geneticist, Embark Veterinary Inc.                                            |
| 27-Apr | 12:30 - 01:15 PM |       | Responsible Breeding Practices - CE Credit                                                                          | Jenna Dockweiler, MS, DVM, DACT, CCRT, CVAT<br>Veterinary Geneticist, Embark Veterinary Inc.                                            |
| 27-Apr | 12:30 - 01:15 PM |       | Why Should We Consider Genetic COI in Breeding Decisions?                                                           | Samantha Hauser, PhD<br>Research Scientist II - Embark Veterinary                                                                       |
| 27-Apr | 01:15 - 02:00 PM |       | Best Practices: Incorporating Canine Genetic Testing into Patient Health Planning & Treatment                       | Marty Greer, DVM, JD<br>Co-Owner Veterinary Village    Director of Veterinary Services, Revival Animal Health                           |
| 27-Apr | 01:15 - 02:00 PM |       | Breeding Healthy Puppies and Sustaining Your Breed: The Goal & How We Get There                                     | Brenda N. Bonnett, DVM, PhD<br>CEO, International Partnership for Dogs                                                                  |
| 27-Apr | 02:00 - 02:45 PM |       | Genetic Testing Drives Scientific Discovery and Opportunities for Building a Future of Healthier, Longer-Lived Dogs | Adam Boyko, PhD<br>Founder and Chief Science Officer, Embark Veterinary                                                                 |

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| 27-Apr | 03:45 - 04:30 PM |  | An Update on the Management of Canine Acute Intervertebral Disc Extrusion - CE Credit                       | Sarah Moore, DVM, DACVIM<br>Professor, Neurology and Neurosurgery - The Ohio State University College of Veterinary Medicine                                                                                                                                                                                    |
| 27-Apr | 03:45 - 04:30 PM |  | Breeding Against Complex Diseases in Dogs                                                                   | Joanna J. Ilska, PhD<br>Genetics Research Manager, The Kennel Club (UK)                                                                                                                                                                                                                                         |
| 27-Apr | 04:30 - 05:30 PM |  | Panel - The Science of Canine Wellness and Longevity Reimagined                                             | Ryan Boyko<br>Founder and Chief Executive Officer, Embark Veterinary<br>Celine Halioua<br>Founder & CEO - Loyal<br>Christina Lopes<br>CEO & Co-founder - The One Health Company<br>Benjamin Lewis<br>Co-founder - The One Health Company<br>Robin P. Smith, PhD<br>Product Team - Embark                        |
| 27-Apr | 05:30 - 05:35 PM |  | Day 1 Closing Remarks                                                                                       | Jon Ambrose, MBA<br>Professional Services Organization - Embark                                                                                                                                                                                                                                                 |
| 28-Apr | 10:00 - 11:30 AM |  | Controversies in Canine Reproduction                                                                        | Autumn Davidson, DVM, MS, DACVIM<br>Clinical Instructor School of Veterinary Medicine - University of California, Davis                                                                                                                                                                                         |
| 28-Apr | 11:30 - 12:30 PM |  | Panel - Shaping the future together: How Breeders Can Help Scientists Better Understand Basic Breed Biology | Zachary Lounsberry<br>Product Analyst - Embark<br>Lisa Peterson<br>Senior Content Strategist, Breeder/Veterinarian - Embark Veterinary<br>Larry Letsche, DVM<br>Small Animal Veterinarian - Remrock Farms Veterinary Services<br>Gail Miller Bisher<br>Director of Communications - The Westminster Kennel Club |
| 28-Apr | 12:30 - 01:15 PM |  | Canine Copper Storage Disease, Nature or Nurture?                                                           | Hille Fieten, DVM, MSc, PhD<br>Director of the Expertise Centre of Genetics, Faculty of Veterinary Medicine - Utrecht University                                                                                                                                                                                |
| 28-Apr | 12:30 - 01:15 PM |  | Genetics of Problem Behaviors in Dogs                                                                       | Carlos Alvarez, PhD<br>Associate Professor - The Ohio State University Colleges of Medicine & Veterinary Medicine                                                                                                                                                                                               |

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| 28-Apr | 01:15 - 02:15 PM |  | Panel - Perspectives on the Human-Canine Bond                                                             | Marty Becker<br>Adjunct Professor, Research Center for Human-Animal Interaction - University of Missouri's College of Veterinary Medicine<br>David Dieffenbach<br>Veterinary Product Strategy - Embark Veterinary<br>Victoria Cussen, PhD, CAAB<br>Senior Director, Applied Behavior Research, Behavioral Sciences Team - ASPCA<br>Brenda S. Kennedy, DVM MS<br>Vice President of Health and Research - Canine Companions<br>Mariana Serao<br>Director of Canine Science and Technology - Retrieving Freedom Inc. |
| 28-Apr | 02:15 - 03:00 PM |  | Cancer Genome Landscapes and Actionability Horizons: How DNA is Changing the Way We Treat Cancer Patients | William Hendricks, PhD<br>Founder and Chief Scientific Officer - Vidium Animal Health   <br>Assistant Professor, Integrated Cancer Genomics - TGen                                                                                                                                                                                                                                                                                                                                                                |
| 28-Apr | 03:00 - 03:45 PM |  | Alaskan Sled Dogs, the Genetics and Selection of Elite Canine Athletes                                    | Heather Huson, PhD<br>Associate Professor of Animal Genetics, Cornell University<br>Department of Animal Sciences                                                                                                                                                                                                                                                                                                                                                                                                 |
| 28-Apr | 03:45 - 04:30 PM |  | Chondrodystrophy: What It Is and Why We Seem to Like It So Much                                           | Danika Bannasch, DVM, PhD<br>Professor, Maxine Adler Endowed Chair in Genetics School of Veterinary Medicine - University of California Davis                                                                                                                                                                                                                                                                                                                                                                     |
| 28-Apr | 03:45 - 04:30 PM |  | Studies on Canine Hip Dysplasia                                                                           | Antti Iivanainen, DVM, PhD<br>Professor of Veterinary Anatomy, Director of the Bachelor Program in Veterinary Medicine - University of Helsinki                                                                                                                                                                                                                                                                                                                                                                   |
| 28-Apr | 04:45 - 04:50 PM |  | Closing Remarks with Jon Ambrose                                                                          | Jon Ambrose, MBA<br>Professional Services Organization - Embark                                                                                                                                                                                                                                                                                                                                                                                                                                                   |