



GENETIC DISEASES IN ARABIAN HORSES

Latest developments on diagnosis and research

Dr. Melissa Cox

The presentation will be held at **hotel NOVOTEL Munich City, 18.2.2018, at 13:00.**

The presentation of Dr. Cox is open to all interested persons.

Dr. Cox's presentation will cover the latest developments on diagnosis and research on genetic diseases in Arabian horses, such as CA, SCID, LFS, and the recent identification of a mutation for occipitoatlantoaxial malformation (OAAM). The presentation will also give an overview of research into equine metabolic syndrome in Arabians, and recent genetic diversity studies on the breed in Europe, Africa, and the Middle East.

Dr. Melissa Cox, CAG GmbH – Center for Animal Genetics

Dr. Melissa Cox is the Scientific Lead at CAG GmbH – Center for Animal Genetics, a company specialized in genetic testing of horses, dogs, and cats. In addition to the routine diagnostic testing, she is responsible for the company's strong internal research program with collaborations worldwide.



Growing up in rural Canada, Dr. Cox developed an early love for animals and interest in animal breeding and training. Her experience in the breeding and showing of dogs and horses led her to pursue a career in animal genetics. After earning her BSc. degree in Biology from Dalhousie University (Halifax, NS, Canada) and her PhD in Genetics from Texas A&M University (College Station, TX, USA), she worked on research projects with multiple species at Pfizer Global R&D, The Jackson Laboratory, Performance Genomics Inc (PGI), the Nova Scotia Agricultural College/Dalhousie University, and the University of Tübingen. With her wide range of experience, she is regularly invited to give lectures and presentations at universities and symposia.

Dr. Cox is active in consulting with and educating animal breeders, breed organizations and veterinarians, always with the aim of improving both breeding programs and animal welfare. Since 2016 she has served as the Industry Representative for the Horse Commission of the EAAP (European Federation of Animal Science).

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Website CAG (Center for Animal Genetics): <http://www.centerforanimalgenetics.com/>