

# Workshop Report

## Third International Workshop on Equine Osteochondrosis Stockholm, 29–30th May 2008

S. EKMAN, C. S. CARLSON<sup>†</sup> and P. R. VAN WEEREN<sup>‡</sup>

*Department of Biomedical Sciences and Veterinary Public Health, Division of Pathology, Pharmacology and Toxicology, Swedish University of Agricultural Sciences, Uppsala, Sweden; <sup>†</sup>Department of Veterinary Population Medicine, College of Veterinary Medicine, University of Minnesota, St Paul, Minnesota, USA; and <sup>‡</sup>Department of Equine Sciences, Faculty of Veterinary Medicine, Utrecht University, The Netherlands.*

### Programme of the meeting

Introduction: Stina Ekman

*The definition of latens, manifesta and dissecans*

Dr Bjornar Ytrehus

*Angiogenesis and osteochondrosis in the pig - a model*

Dr Nils Ivar Dolvik

*Endochondral bone formation in Standardbred trotters, pathology and genetic expression studies*

Dr Kristin Olstad

*Micro-computed tomography of early lesions of osteochondrosis in the tarsus of foals*

Dr Eleanor Mackie

*Morphological studies on early experimentally induced osteochondrosis lesions*

Dr Michiko Mirams

*Altered gene expression in early osteochondrosis lesions*

Dr Sheila Laverty

*Cartilage matrix changes in the developing epiphysis: early events on the pathway to equine osteochondrosis?*

Dr Elwyn Firth

*Morphological change at the chondro-osseous junction: what should be included as equine osteochondrosis?*

Dr Wayne McIlwraith

*Use of serum biomarkers in early cases of OCD, indicating changes in collagen metabolism*

Dr Alan Nixon

*Differential gene expression in early OCD lesions defined by exon-array gene chip analysis*

Dr Ilse van Grevenhof

*Defining osteochondrosis and its genetic background*

Dr Janny de Grauw

*Lipidomics as a novel approach to synovial fluid analysis in articular disease - preliminary results on a batch from OCD-affected horses*

Dr René van Weeren

*The thin borderline between physiology and pathology in (equine) OC*

Dr Cathy Carlson

*Severe lameness occurring in swine after transport, the role of trauma in the pathogenesis of osteochondrosis*

Dr Wayne McIlwraith

*New thoughts on pathogenesis of subchondral cystic lesions in the medial femoral condyle based on experimental and clinical data*

Dr Christopher Riley

*Use of infrared spectroscopic measurements to classify OCD affected joints, and objectively determine responses to therapy*

Dr Stacy Semevolos

*Molecular regulation of the deep articular cartilage layer during development and in equine osteochondrosis*

Dr Pieter Brama

*Determining genetic sensitivity of osteochondrosis in horses*

Dr Ottmar Distl

*Insights in equine osteochondrosis based on genetic marker studies in Hanoverian Warmblood horses*

Dr Alicia Bertone

*Genes from peripheral white blood cells associated with osteochondrosis in yearling Thoroughbreds*

Dr Tim Parkin

*The significance of genotype on the development of OCD in the Thoroughbred: Clinical background/epidemiology*

Dr Mark Vaudin

*The significance of genotype on the development of OCD in the Thoroughbred: Genomic/genetics*

Dr Kao Castle

*Building on established genetic techniques with new tools from the horse genome to investigate osteochondrosis in Australian Thoroughbreds*