

9th European Zoo Nutrition Conference

ZOO Liberec, 26-29 January 2017

Final programme



THURSDAY 26 January

- 09.00 EAZA Academy Workshop: Preformulated diets: feeding and formulation – ZOO Liberec (until 17.00) [Pre registration required]
- 18.00 Registration & Icebreaker - ZOO Liberec (until 20.00)

FRIDAY 27 January

- 08.00 Registration
- 08.30 Welcome & Opening Remarks
- 09.00 Oil palm products in zoo animals feed: an overlooked ethical problem - *Dr Stanislav Lhota**
- 09.45 Gum-eaters: a review of the nutrition of exudativorous mammals – *Francis Cabana**
- 10.15 Managing obesity in captive Lac Alaotra bamboo lemurs (*Hapalemur alaotrensis*) – *Anouk Fens*
- 10.30 The effects of probiotics in captive primates – *Louise Cox*
- 10.45 The use of maple leaves silage in nutrition of mantled guereza (*Colobus guereza*) – *Olga Lasek*
- 11.00 Break
- 11:30 Long-term health effects of great ape diets – *Francis Cabana*
- 12.00 The effect of a fruit-free diet on behaviour in captive ring-tailed lemurs (*Lemur catta*) – *Anouk Fens*
- 12:15 Lets talk about browse, freeze, and palatability – *Martine Verheij*
- 12.30 More impacts of fruit-free diets for primates: New World primates at Shaldon Zoo – *Amy Plowman*
- 12:45 Influencing the frequency of regurgitation and reingestion by diet changes in Sumatran orangutans (*Pongo pygmaeus abelii*) – *Kristina Johansen*
- 13.00 Lunch break & time for posters
- 14.15 Rhinoceros nutrition - reminder and update – *Marcus Clauss*
- 14.45 Visual body condition scoring in captive Asian (*Elephas maximus*) and African elephants (*Loxodonta africana*) – composite, algorithm and overview approaches – *Christian Schiffmann*
- 15:00 Pest control in zoos with emphasis on animal food – *Joeke Nijboer*
- 15.45 Break
- 16.15 An assessment of dietary drift and investigating why it occurs at Paignton Zoo Environmental Park – *Louise Cox*
- 16.30 "Too many cooks will spoil the broth": the advantages of a centralised kitchen in a zoo – *Cora Berndt*
- 17.00 Sponsor pitches
- 17.30 Format FAUNA™ - diet management software for healthy animals
- 18.00 Concluding Remarks

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SATURDAY 28 January

- 08.00 Registration
- 08.30 Welcome and organisation for zoo visit

- 09.00 Zoo visit (including practical workstations)

- 12.30 Lunch break & time for posters

- 14.00 Can contraception in feed be used to manage captive giraffe populations? – *Andrea Fidgett*
- 14.15 Preliminary data on metabolic profile of okapis with glucosuria – *Sarah Depauw*
- 14.30 Effect of physical structure of concentrates in the diet on feed intake and feeding behaviour of nyala (*Tragelaphus angasii*) – *Marcin Przybyło*
- 14.45 Claw health and nutrition of Takin (*Budorcas taxicolor taxicolor*) – A case report from the nutritional services offered at the Institute of Animal Nutrition, Zurich – *Angela Gimmel*
- 15.00 Visitors feeding roughage to zoo herbivores – *Viktoria Michel*
- 15.15 Nutrition of *Dendrohyrax* in Ostrava Zoo – *Jana Pluháčková*
- 15.30 Teeth and guts: Asian bear nutrition – *Francis Cabana**

- 15.45 Break

- 16.15 Nutrition and fertility in pet birds – *Petra Wolf*
- 16.30 Different nutritional requirements in the family Musophagidae (Turacos) – *Antonín Vaidl*
- 16.45 Basic data on nutrition in ostrich, rhea and emu – *Petra Wolf*
- 17.00 Birds of prey - nutrition and nutritional disorders – *Petra Wolf*
- 17.15 Microbial profiling in faeces of wild cheetah vs. captive cheetah fed meat or whole prey – *Anne Becker*

- 17.30 Scientific poster pitches

- 18:00 Conference Dinner – ZOO Liberec

SUNDAY 29th January

- 08.00 Registration
- 08.45 Welcome

- 09.00 Nutrition of ant-eating mammals in captivity – *Marcus Clauss*
- 09.15 Asian pangolin nutrition: not what you might expect – *Francis Cabana**
- 09.30 Does chitin create a bias in crude protein analysis? – *An Cools*
- 09.45 Insects as feed for zoo animals – *Dennis Oonincx**

- 10.30 Break

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- 11.00 Whole fish feeding in zoos - Nutrient analyses and losses during six month of storage – *Angela Gimmel*
- 11.15 Habitat selection, temperature ranges and implications for nutrition and body condition in a high Andean amphibian, the Titicana water frog – *Arturo Munóz*
- 11.30 Bone densities in three different populations of common spadefoots (*Pelobates fuscus*) by using computed tomography – *Martine van Zijl - Langhout*
- 11.45 Large-scale production of nutritious rotifers to enhance the reproductive capacities of ornamental fish – *Olivier Detournay*
- 12.00 Revising the diet of sea dragons (*Phycodurus eques*) to reduce mortality during relocation – *Kristina Johansen*
- 12.15 Micromineral tissue distributions across ornamental fish species – *Geert Janssens*
- 12.30 Concluding Remarks & Thanks
- 12.45 Lunch

POSTER PRESENTATIONS

- Molybdenum status in ruminants - *Winfried Arnhold*
- From man to cheetah: adapting the *in vitro* simulator of the human microbial ecosystem to a dynamic feline gut simulation model for the mechanistic study of dietary interventions - *Anne Becker*
- Nutrient composition of whole African clawed frogs (*Xenopus laevis*) - *Andrea Brenes-Soto*
- Estimating food intake in group-fed animals of heterogenous body size - *Marcus Clauss*
- Digestive separation mechanisms in two carnivorous species: the cheetah (*Acinonyx jubatus*) and the domesticated dog (*Canis familiaris*) - *Annelies De Cuyper*
- The effects of dietary nutrient density on growth and nutrient metabolism in macaw chicks (*Ara spp.*) - *Anouk Fens*
- Milk composition of Indian rhinoceros (*Rhinoceros unicornis*) and its changes over a lactation period - *Angela Gimmel*
- Retention of solute and particle markers in the digestive tract of the Somali wild ass (*Equus africanus somaliensis*) - *Jürgen Hummel*
- Variation in amino acid composition of protein across and within prey species – *Geert Janssens*
- The use of gas-test technique to predict digestibility and fermentation process in the large intestine of giraffes (*Giraffa camelopardalis reticulata*) - *Olga Lasek*
- A potentially cholesterol reducing diet is palatable and practical for cusimanse (*Crossarchus obscurus*) - *Amy Plowman*
- Carotenoid supplementation did not affect colouration in tufted puffins (*Fratercula cirrhata*) at Living Coasts - *Amy Plowman*
- The husbandry impact of the Primate Nutrition Workshop, an EAZA Academy Recognised Course - *Amy Plowman*
- Herbal nutraceuticals in animal nutrition and welfare – *Lauren Samet*

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- A case of nutritional imbalance in Schalow's turaco (*Tauraco schalowi*) chicks - *Lauren Samet*
- Rumen content stratification in giraffes - *Cathrine Sauer*
- Chemical composition of preys for insectivorous/carnivorous birds and reptiles - *Petra Wolf*
- Hygienic quality of feedstuffs for birds (from granivores to fish eaters) - *Petra Wolf*
- Poisonous plants for zoo animals - *Petra Wolf*
- Feedstuffs for carps and koi fish – a comparison with regard to nutrient composition and requirements - *Petra Wolf*
- Nutritional related obstipations in bearded dragons - *Petra Wolf*
- Investigation on feeding seed mixtures vs. extruded diets in parrots - *Petra Wolf*