

Thursday 28th January

18:00 ICEBREAKER
Barcelona Zoo (until 8pm)

Friday 29th January ~

08:00 Registration

08:45 Welcome & Opening Remarks

09:00 Programme commences

INVITED SPEAKER

Flexibility of the gastrointestinal tract of vertebrates
J.M. Starck, University of Munich

Nutrient digestibility and digestive efficiency in Livingstone's fruit bats (*Pteropus livingstonii*)
C. Schwitzer, J. Bilstra, S. Chikunya, J. B. Carroll

A comparative view on dry matter intake and mean retention time of large herbivores
P. Steuer, K.H. Sudekum, R. Franz, J. Kaandorp, M. Clauss, J. Hummel

Browse, grass and legumes- investigations on the digestion of different forage types
J. Hummel, K.H. Sudekum, M. Clauss

Investigations on rumen and claw health of different wild ruminants according to the feeding management
B. Schilcher, K. Baumgartner, A. Liesegang

A survey of Eastern Bongo (*Tragelaphus eurycerus isaaci*) feeding practices in UK zoological collections.
D.J. Wright, H.M. Omed, A.L. Fidgett

It seems difficult to feed ruminant browsers adequately; the Japanese serow (*Capricornis crispus*) as yet another example
A. de Meijer, L. Mooij, M. de Jong, E. Dols, T. Huisman

Winter feeding of captive moose (*Alces alces*) with various roughages
D.G.M. Kohlschein, J. Hummel, A. Peemoller, J.M. Hatt, M. Clauss

Practical feeding of moose and giraffes in Kolmarden Zoo
B.O. Roken

Nutritional quality of mid-European browse-a review
J. Hummel, M. Clauss

Development of a browse identification book for zoo keepers
J. Nijboer, T. Huisman, K. van Geenen, P. Fieggen

Lowering diet costs in two Spanish zoological institutions
A. Rodríguez, H. Marquès

Responsible feed in zoos
J.D. Wensing, J. Nijboer

DIET CHANGE EXPERIENCES

Diet reviews and adjustments for three species of tortoise, *Geochelone gigantea*, *G. carbonaria*, and *Testudo graeca* at Paignton Zoo Environmental Park.
M. Steele, A. Batten, A. Plowman

Hand-Reared Common Swifts (*Apus apus*) in a Wildlife Rehabilitation Centre: Assessment of Growth Rates with Different Diets
E. Fusté, L. Olid, E. Obon

Efficacy of hoofstock diets at Chester Zoo; assessment by keeper questionnaire and body condition scoring
T.D. van den Houten, A.L. Fidgett

Dietary management of an obese Kinkajou (*Potos flavus*) with congestive heart failure secondary to hypertrophic cardiomyopathy
D. Eshar, J.A. Briscoe

Bear weight management: a diet reduction plan for an obese spectacled bear (*Tremarctos ornatus*)
K.J. Lisi, T. L. Barnes, M.S. Edwards

A failed attempt to change the diet of giant anteaters (*Myrmecophaga tridactyla*)
M. Clauss, T. Rothlin, S. Furrer, J.-M. Hatt

Roundtable Discussion

Saturday 30th January ~

08:30 Registration

09:00 Programme commences

INVITED SPEAKER

Carnivore nutrition: bones of contention
G.P.J. Janssens, University of Ghent

Impact of diet type on fermentation rate of cheetahs in captivity
S. Depauw, M. Hesta, L. Vanhaecke, J. Schulz, B. Wuyts, G.P.J. Janssens

Nutrient digestibility and energy evaluation in carnivorous mammals
M. Clauss, H. Kleffner, E. Kienzle

Nutritional management of captive cheetahs; is the domestic cat an appropriate model?
K.M. Bell

Nutritional evaluation of two milk replacers used to hand-rear cheetah cubs: nutrient composition, apparent faecal digestibility & differenced to maternal cheetah milk
K.M. Bell, S.M. Rutherford, W.H. Hendriks

INVITED SPEAKER

Feeding behaviour: meeting nutritional requirements and behavioural needs
X. Manteca, Autonomic Barcelona University

Identifying feeding behaviour of corals through stable isotope analysis

G. Ludevese, D. Petersen, P. Boeckx, G.P.J. Janssens

Feeding, breeding and habituation of exotic frogs in the rainforest hall at the Zoo Zurich

R. Franz, M. Bauert, S Furrer

INVITED SPEAKER

To colour or not to colour, the role of carotenoids in animal ornamentation and health

J.J. Negro, Estacion Biologica de Donana

Cricket species vary in gut loading capacity: implications for delivery of carotenoids to amphibians

V. Ogilvy, R.F. Preziosi, D. Sherriff, K. Arbuckle, A.L. Fidgett

A preliminary study of Vitamin D₃/UV-B treatments for amphibian bone disease

R. Browne; F. Vercammen, Z. Pereboom, E. Verschooren

Seed diets for psittacine birds: natural food or nutritional calamity?

I.D. Kalmar, A.C. Veys, B. Geeroms, M. Reinschmidt, D. Waugh, G. Werquin, G.P.J. Janssens

Metaplasia caused by vitamin A deficiency in penguins?

J. Nijboer, M. Kik, W. Menger

Feed intake strategy of breeding pigeons

G.P.J. Janssens

Managing zoo diet information; what do we need from the next generation software?

A.L. Fidgett

Sunday 31st January ~

09:00 Programme commences

Sodium and potassium intake of Cercopithecinae

W. Arnhold, M. Anke, K. Eulenberger

Urolithiasis in maned wolves (*Chrysocyon brachyurus*)

R.J. Zwart, J. Nijboer

Evaluation of a nutraceutical joint supplement in camels (*Camelus* spp.)

E.S. Dierenfeld, D. Baum, L. Hampe, J. Jenson, K. Wedekind

A comparison of two different diets for growing Moon Jellyfish (*Aurelia aurita*) in Rotterdam Zoo

M. Biesheuvel, R. Jaeger, M. Laterveer, P. Niemantsverdriet, D. Kuiper, H. Kuipers, J. Nijboer, T. Huisman

Species-dependent mineral accumulation in corals

G. Ludevese, D. Petersen, G.P.J. Janssens

Hand-rearing a crowned sifaka (*Propithecus coronatus*): milk formulation, infant growth, comparison with mother-reared animals and previous protocols used in *Propithecus*

S. Laidebeure, A. Lecu, B. Quintard, D. Gomis, P. Moisson

A novel diet to feed giant anteaters (*Myrmecophaga tridactyla*); research, design, development and trialing of Termant.

J. Moody, A. Warmington

Feeding and body mass development in giant anteaters (*Myrmecophaga tridactyla*)

M. Clauss, M. Stahl, C. Osmann, S. Ortman, J.-M. Hatt

12:00 Concluding Remarks & Thanks

POSTER PRESENTATIONS

Tropical forages in diets for endemic herbivorous ungulates in Costa Rica

A. Brenes Soto

Implementation of a new weakly allergenic regime for Callitrichids and other new world monkeys; preventive and curative effects concerning the Wasting Marmoset Syndrome and digestive sensibility.

M. Byrne

Nutrient composition tables for fruits and vegetables as a decision tool for zoo animal keepers

M. Clauss, J. Hummel, J.-M. Hatt

Weight reduction in spectacled bears (*Tremarctos ornatus*)

M. Clauss, R. Zingg, N. Ruckstuhl, S. Jutz, J.-M. Hatt

Local food, global nutrient data - how do published values compare for commonly used diet ingredients?

A.L. Fidgett, S.J. Forster

Use of INFC nomenclature on the feedstuffs in the National Zoological Gardens of South Africa

U.K. Mwimbi, F.K. Siebrits, K. Mbatha

Growth performance of larvae and postmetamorphic juveniles of the hynobiid salamander *Pachyhynobius shangchengensis*

F. Pasmans, A. Martel, G.P.J. Janssens

Diet of Kodiak bears (*Ursus arctos middendorffi*) compared; what is a good diet?

J. Polet, T. Weber, T. Huisman, D. Kuiper, C. Berndt

Study of the response to levels of difficulty in obtaining food for predatory birds in rehabilitation centers for wild animals

H. Raposeira, P. Horta, A. Luis

A multi-zoo survey of colobus monkey (*Colobus* sp.) feeding practice, diet composition and captive activity patterns

P. Rose, L. Philips-Major

Using an on-site browse plantation to ensure forage feeding to browsing herbivores at Woburn Safari Park

J. Veasey

Seasonal diets for Brown Bears (*Ursus arctos*) at Brookfield Zoo—successful implementation led to reduced weight and improved behaviour

J.C. Watt