CRL workshop 2007
Mini-symposium on natural hormones
17 October 2007
Natural Hormones - I

- Zeranol (Taleranol) : Anabolic and metabolites of *fusarium* toxins: discrimination in principle possible when measuring five individual RALs

- Thyreostatic compounds _ background levels due to diet
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Natural Hormones – II

• Nortertosterone and Boldenone


  - Tabular overview with (qualitative) information on natural occurrence on the CRL internet site
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• Natural Hormones - III

• 17beta-Estradiol – 17beta-Testosterone and Progesterone

  - Dispute with US still ongoing
  - Reconfirmation of SCVPH conclusion: 17beta-Estradiol carcinogen
  - Large scale abuse detected through hair analyses for esters of Estradiol and Testosterone Analysis
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• However, for many questions an adequate answer is not yet available

• Objective of today's mini-symposium:
  - Present ongoing research and ideas for the future
  - Collecting the information through the workshop proceedings
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• James Scarth (HFL)- Presence and metabolism of natural steroids in meat producing animals: current knowledge and potential strategies for detecting their abuse.

• Yoan Deceunink (Laberca) – Conclusions from the ISOSTAR project

• Aldert Bergwerff (UU-IRAS) - Biomarkers Revealing Abuse of Steroid Hormones
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• Robert Schilt (TNO - ) Principal Component Analyses Approach to Evaluating natural Hormone Levels

• Jeroen Rijk (RIKILT) – Hormonal Effects of prohormones in Bovines