Program for the Infogest Network meeting in Wageningen
14ᵗʰ April 2016 at the Hof van Wageningen

09:00- 09:15 Welcome

09:15-09:45 Introduction of Infogest network and Workgroups (Didier Dupont, Uri Lesmes, Alan Mackie)

09:45 – 10:05 George van Aken, **Title**: How the body reacts to food: an innovative In Silico tool to model and predict digestion, absorption and physiological responses

10:05 – 10:25 Sebastien Marze, **Title**: Dynamic digestion model: bibliography on gastric pH and emptying, and on intestinal secretions and transit

10:25-11:00 coffee break

11:00 – 11:15 Amelie Deglaire, **Title**: "Specificity of infant gastric digestive conditions: new in vivo data from preterm"

11:15 – 11:30 Isidra Recio, **Title**: Digestion of casein and a casein hydrolysate in duodenum-cannulated pigs. Comparison with in vitro digestion.

11:30- 11:50 Gerd Vegarud, **Title**: Comparison of human and porcine enzymes using the standardized digestion protocol

11:50 – 12:10 Reto Portmann, **Title**: Comparison of protein digestion between different digestion models

12:10 – 12:30 Frédéric Carrière, **Title**: Impact of various emulsifiers on ALA bioavailability and chylomicron synthesis through changes in gastrointestinal lipolysis.

12:30 – 13:30 Lunch

13:30 – 13:40 Plans for the afternoon

13:40 - 15:00 WG parallel sessions

15:00 Tea break

15:30 – 16:30 WG parallel sessions

16:30 – 17:00 report back and wrap up session

The workshop will focus on finding the gaps in current knowledge of how to accurately simulate digestion in the human gastrointestinal tract. In Infogest a harmonized static digestion protocol was produced and disseminated. Can this protocol be validated against human data? If the protocol can't sufficiently mimic what happens in vivo then how should the protocol be improved? Can the protocol be modified to take account of different age groups?

The work in these workgroups started in Athens last year and each WG is working on gathering information for at least one paper addressing their specific topics.

Workgroup Descriptions
WG1 (Leader: Didier Dupont): Validating in vitro protocols with in vivo data.

WG2 (Leader: Alan Mackie): Developing a protocol for a semi-dynamic simulation of adult human digestion.

WG3 (Leader: Uri Lesmes): Extending in vitro digestion modelling and standardization to other age groups, namely infants and the elderly.

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