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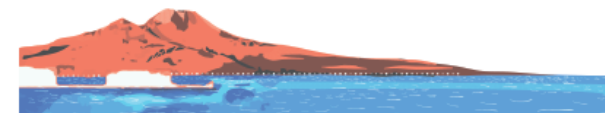


CONGRESS VENUE CENTRO CONGRESSI FEDERICO II
Via Partenope 36 – Napoli (ITALY)

The instructions to reach the CENTRO CONGRESSI are available on the web
site https://colloque.inra.fr/cost_infogest_icfd2015

 2015
infogest

4TH INTERNATIONAL CONFERENCE
ON FOOD DIGESTION
NAPLES, ITALY
17-19 MARCH 2015



TOPICS

Characterization of raw materials and processed food matrices for optimized nutrient bioavailability
Identification of bioactive compounds
Stability during processing
Characterization of food structures

In vitro, in vivo and in silico models of mammalian gastrointestinal digestion
Application of digestion models to food
Comparison in vitro/in vivo
Identification of digestion products

Evaluation of the healthy effects
Immunomodulatory properties of food
Regulation of appetite and satiety
Effect of food on gut microbiota



DIPARTIMENTO DI
AGRARIA



Day 1 : Tuesday 17 March

- 12:30 Registration**
- 14:10 Opening welcome**
Prof. Guido Trombetti
Councillor of the University and Scientific Research of Regione Campania
- Prof. Paolo Masi**
Director of the Department of Agriculture, University of Naples Federico II
- Prof. Sabato D'Auria**
Director of Institute of Food Science and Technology, National Research Council
- 14:20 Didier Dupont**
Presentation of Cost Action FA1005 INFOGEST
- 14:30 Keynote lecture - Alessio Fasano**
How nutrition influences gut microbiome and metabolomic profiles in health and disease
- 15:15 Van Wey**
Predicting the effects of dietary change in bacteria and their production of short chain fatty acids in the human large intestine
- 15:35 Milda Stuknyte**
Release of wheat gluten exorphins A5 and C5 during in vitro gastrointestinal digestion of bread and pasta and their absorption through an in vitro model of intestinal epithelium
- 15:55 Torsten Bohn**
Mind the Gap - Deficits around our knowledge on aspects impacting bioavailability of phytochemicals and their metabolites
- 16:15 Coffee Break & Poster Session**
- 17:45 Gordon J. McDougall**
Tracking (poly) phenol components and other metabolites from raspberries in ileal fluids
- 18:05 Gerard Bryan Gonzales**
Metabolomics- and chemometrics- based approaches on the study of polyphenol bioavailability and intestinal mucus diffusion
- 18:25 Didier Rémond**
Impact of meat cooking and masticatory efficiency on food bolus formation and amino acid absorption in human
- 18:45 Presentation of the outcomes of Infogest WG1, WG2 and WG3**
- 20:00 Welcome cocktail**

Day 2: Wednesday 18 March

- 8:30 Keynote lecture - Andreas Steingötter**
Magnetic Resonance Imaging for the assessment of gastrointestinal function and fat digestion
- 9:15 Susann C Bellmann**
Development and validation of a dynamic in vitro gastric compartment (TIMagc)
- 9:35 Michael Grimm**
Investigation of pH and temperature profiles in the GI tract of fasted human subjects using the IntelliCap® system
- 9:55 Maria. J Ferrua**
Modelling the breakdown mechanics of solid foods during gastric digestion
- 10:15 Coffee Break & Poster session**
- 10:55 Dian Liu**
Visualizing and quantifying human fat digestion in vivo with magnetic resonance imaging
- 11:15 Gail M Bornhorst**
Structural changes during cooking influence acid and moisture uptake in sweet potatoes during in vitro gastric digestion
- 11:35 André Brodkorb**
A standardised static in vitro digestion method suitable for food- an international consensus
- 11:55 Reto Portmann**
The harmonized Infogest in vitro digestion protocol: moving from knowledge to action
- 12:15 Lunch**
- 13:45 Poster Session**
- 15:15 Keynote lecture - Daniela Barile**
- 16:00 Samira C De Oliveira**
Impact of pasteurization and homogenization of human milk on its gastric digestion:an in vivo study in the preterm infant
- 16:20 Coffee Break & Poster session**
- 16:40 Alfonso Clemente**
In vitro and in vivo assessment of digestibility of dietary oligosaccharides
- 17:00 Juliette Caron**
Gastrointestinal digestion and energetic metabolism: how generated peptides may impact intestinal hormones?
- 17:20 Francesco Capozzi**
Defining real food systems by applying foodomics to the in vitro digestion

- 17:40 Damien J L Mat**
Effects of the structure of model matrices on in vitro proteolysis and lipolysis kinetics observed using the INFOGEST recommendations and a pH-Siat method
- 18:00 Gianluca Picariello**
Role of intestinal brush border peptidases in the simulated digestion of milk proteins
- 18:20 Kitty Verhoeckx**
Presentation of COST Action FA1402 "Improving Allergy Risk Assessment Strategy for new food proteins" (ImpARAS)
- 18:30 Christine Morand**
Presentation of COST Action FA1403 "Interindividual variation in response to consumption of plant food bioactives and determinants involved" (POSITIVE)
- 18:40 MC meeting (for Infogest participants)**
- 20:00 Gala Dinner**

Day 3: Thursday 19 March

- 8:30 Keynote lecture - Gabriele Riccardi**
Metabolic effects of dietary carbohydrates: the importance of food digestion
- 9:15 Alan Mackie**
New roles for dietary fibre
- 9:35 Cathrina H Edwards**
The effect of wheat endosperm structure on starch bioaccessibility, postprandial glycaemia, insulinaemia and gut hormone responses:A postprandial study in ileostomy subjects
- 9:55 Knud Erik Bach Knudsen**
In vitro starch digestion kinetics of diets varying in resistant starch and arabinoxylan compared with in vivo portal appearance of glucose in pigs
- 10:15 Coffee Break & Poster session**
- 10:45 Kera Nyemb**
From gel structure to digestion:the egg white model
- 11:05 Marion Oberli**
Impact of cooking processes on protein digestion and effects on the intestinal mucosa in rats
- 11:25 Laura Sánchez-Rivera**
In vivo active form of bioactive peptides: changes during digestion and absorption that determine bioactivity
- 11:45 Uri Lesmes**
Elderly digestive proteolysis: Insights from a study coupling a novel in vitro dynamic elderly digestion model with proteomic analyses
- 12:05 Guy Vergeres**
Targeting the gastrointestinal tract of the elderly to develop dietary solutions that prevent malnutrition
- 12:25 Conclusion and perspectives**
- 12:35-14:00 Lunch**