



FACOLTÀ DI FARMACIA

13 Maggio 2010, Ore 9:30, Aula A



Richard Faulks, *Model Gut Platform, Institute of Food Research*

The Dynamic Gastric Model (DGM): A new *In vitro* Model for Bio-relevant Performance Assessment of Orally Administrated Drugs

Claudio Nicoletti, *Integrated Biology of the GI tract Program, Institute of Food Research*

Towards a mechanism of cell-mediated immune exclusion?

Arjan Narbad, *Integrated Biology of the GI tract Program, Institute of Food Research*

Novel strategies for control of *Clostridium difficile*

Kieran Tuohy, *Dept. of Food Microbiology, University of Reading*

Target populations for novel functional foods which act through the gut microbiota

Andrew Carter, *Foodborne Bacterial Pathogens Program, Institute of Food Research*

Are strains of *Clostridium botulinum* that colonise the infant gut genetically different from those causing other forms of botulism?

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Richard Faulks's main interests are in understanding the processes of digestion and the factors that regulate the generation of absorbable species in the lumen of the upper gastrointestinal tract and the impact these processes have on physiological responses and the links with the maintenance of good health.

Prof. Claudio Nicoletti is a research leader within the Integrated Biology of the GI tract programme at the Institute of Food Research. His main interests involve the response of intestinal mucosal cells to food antigens which are responsible for triggering food allergies.

Dr. Arjan Narbad is a Senior Research Scientist within the Integrated Biology of GI Tract Programme at IFR. Arjan's research interests are focused on the isolation and characterisation gut bacteria for use as probiotics for exclusion of gut pathogens and in elucidation of the role of gut commensals in the health of humans and animals.

Dr. Kieran Tuohy is a lecturer in Microbiology, Department of Food and Nutritional Sciences, University of Reading (UK). He has developed lines of research examining the impact of probiotics and prebiotics on: the gut microbiota, the host immune system, mucosal cell turnover and apoptosis, host systemic metabolite profiles, cancer biomarkers, body weight, blood lipid profiles and insulin resistance.

Dr. Andy Carter is a senior scientist within the research group of Prof. Mike Peck, specialising in the genetic analysis of strains of proteolytic *Clostridium botulinum*. Using a microarray based approach he has analysed the genetic content of over 60 strains, causing infant, wound and food botulism, in an attempt to highlight genetic differences that might be associated with these different forms of the disease.

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