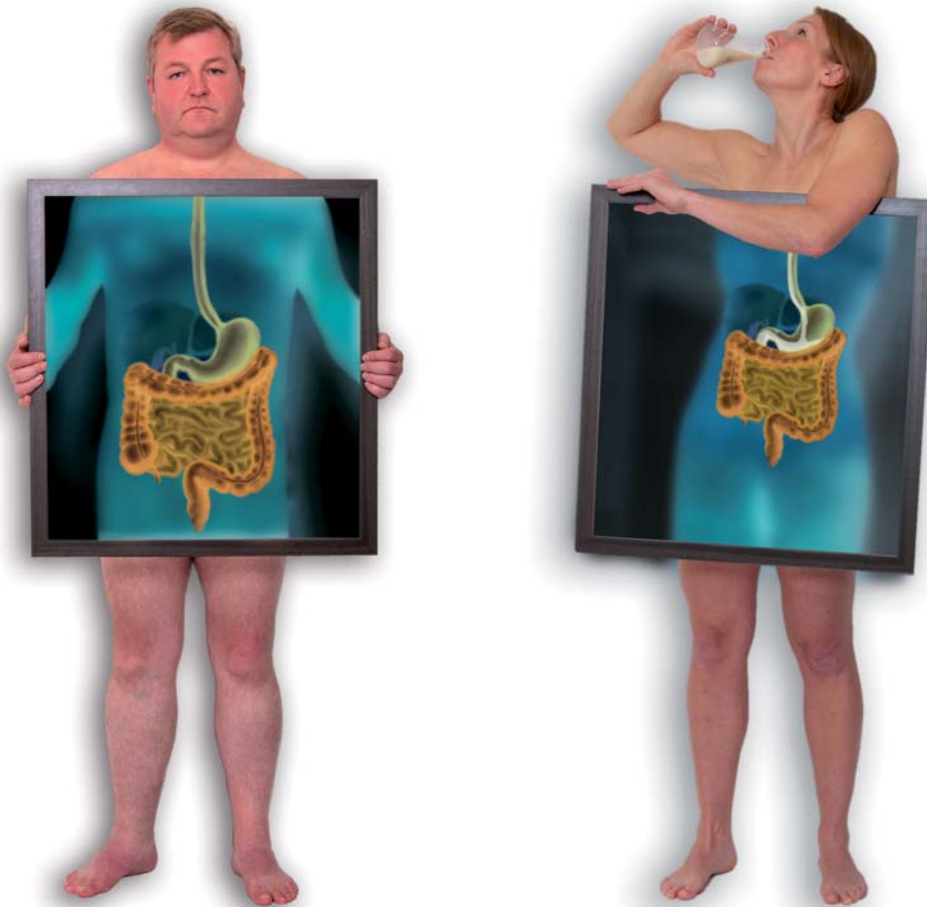


CURRENT CHALLENGES IN GASTROINTESTINAL HEALTH RESEARCH

1st Workshop of the European Network for Gastrointestinal Health Research (ENGIHR)

Research Networking Programme, European Science Foundation



University of Minho, **Braga** (Portugal), **15-16 February 2011**



Universidade do Minho

Registration free to academics and researchers in public institutions.

To Register contact External Programme coordinator
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INSTITUTE FOR BIOTECHNOLOGY AND BIOENGINEERING

Aim of workshop: The first European Network for Gastrointestinal Health Research (ENGIHR) Workshop will be an exploratory meeting trying to identify the main issues in current research in gastrointestinal health. The scientific content will evolve around the three main systems involved: The food, the gastrointestinal tract and the human body.

PROGRAMME:

TUESDAY 15th FEBRUARY

| TIME | SPEAKER | TITLE |
|-------|---|---|
| 09:00 | José Teixeira University of Minho, Portugal | Welcome |
| 09:10 | Seve Pandiella (Network Chair) University of Manchester, UK | Presentation of ENGIHR and workshop programme |
| 09:30 | Nick Chadwick (External Programme Coordinator) | Presentation of ENGIHR brochure and website |

Session 1: Functionality and Clinical Trials. This session will address recent clinical trials using probiotics and prebiotics. The role of probiotics and prebiotics in a range of health disorders will be discussed, as well as the use of genetically-modified probiotics to treat inflammatory disease.

| TIME | SPEAKER | TITLE |
|-------|--|---|
| 09:50 | Chair: Herbert Tilg Innsbruck Medical University, Austria | Introduction |
| 10:00 | Lothar Steidler ActoGenix, Belgium | Clinical applications of genetically Modified Lactococcus lactis |
| 10:30 | Yolanda Sanz IATA, Spain | Probiotics and immunity: Is there anything new? |
| 11:00 | <i>Coffee break</i> | |
| 11:20 | Nathalie Delzenne Louvain Drug Research Institute, Belgium | Prebiotics, obesity and related metabolic disorders |
| 11:50 | Francisco Guarner University Hospital Vall d'Hebron, Spain | Dysbiosis in IBD: a role for probiotics and prebiotics |
| 12:20 | Jelena Stsepetova University of Tartu, Estonia | Potential probiotics for different age groups |
| 12:50 | Chair and Jose Teixiera | Closing comments |
| 13:00 | <i>Lunch</i> | |

Session 2: Microbiology of the GI Tract. This session will investigate research into the composition of the gut microbiota in response to diet, prebiotics, and probiotics. Research into bioactive compounds produced by commensal or GM-modified bacteria will also be discussed.

| TIME | SPEAKER | TITLE |
|-------|---|---|
| 14:30 | Chair: Ingolf Nes Norwegian University of Life Sciences, Norway | Introduction |
| 14:40 | Arjan Narbad Institute of Food Research, UK | Competitive exclusion of gut pathogens by commensal bacteria |
| 15:10 | Karen Scott Rowett Institute, UK | Diet-induced changes in the composition of the gut microbiota |
| 15:40 | <i>Coffee break</i> | |
| 16:00 | Paul Ross/Catherine Stanton Alimentary Pharmabiotic Centre, Ireland | Production of bioactives by GI commensals and implications for host health |
| 16:30 | Anne McCartney University of Reading, UK | Application of in vitro models to investigate the human GI microbiota |
| 17:00 | Robert Caesar The Sahlgrenska Academy, Sweden | Role of the gut microbiota in inflammation and lipid metabolism |
| 17:30 | Chair and Jose Teixiera | Closing comments |
| 20:00 | <i>Workshop diner</i> | |

WEDNESDAY 16th FEBRUARY

Session 3: Food Technology: This session will address issues relating to probiotic and prebiotic delivery and functionality, involving the experiences of researchers within the food industry.

| TIME | SPEAKER | TITLE |
|-------|--|--|
| 09:00 | Luis Benito García Álvarez University of Oviedo /Cider Foundation, Spain | History of pro- prebiotic foods; from antiquity to Elie Metchnikoff |
| 09:30 | Chair: Jose Maria Lagaron IATA, Spain | Introduction |
| 09:40 | Keynote address: Koji Nomoto Yakult, Japan | Yakult: the pioneering probiotics and our current challenges in intestinal health science |
| 10:10 | Arthur Ouwehand Danisco, Finland | The challenges of alternative carriers for probiotics |
| 10:40 | <i>Coffee break</i> | |
| 11:00 | Minja Miettinen Valio, Finland | Probiotic matrixes - effects on functionality |
| 11:30 | Jean-Michel Antoine Danone, France | Current challenges in probiotics for gastro-enterologists |
| 12:00 | Daniel Ramón Vidal Biopolis, Spain | Exploring new models for the evaluation of probiotics |
| 12:30 | Chair and Jose Teixeira | Closing comments |