



European training workshop

Molecular characterization of the human intestinal microbiota

Paris,
September 29 to October 10, 2003

Local organisers: Philippe Pochart & Antonia Suau (Cnam, Paris), Abdelghani Sghir, Rakia Chouari, Wolfgang Ludwig & Patrick Dabert (CNS, Génoscope, Evry), Catherine Dauga (Institut Pasteur, Paris), Joël Doré, Lionel Rigottier-Gois and Violaine Rochet (INRA, Jouy-en-Josas), Willem M. de Vos, Muriel Derrien & Elaine Vaughan (WU).

Objectives · To present the current developments of molecular techniques applied to the characterization of the human intestinal microbiota allowing the identification of yet non-cultured micro-organisms and their observation in their natural settings. To highlight the recent revision of our knowledge due to the application of these techniques. To debate on the potential opened by the recent development of DNA microarray technology and functional genomics of complex microbial ecosystems.

Audience · Physicians, microbiologists, engineers, PhD students and Post-docs from private and academic research laboratories. Researchers interested in bacterial identification or studying microbial diversity. Specific support from the EU is expected to promote the participation of students residing in new member states.

Programme · This workshop will offer to the participants first-hand training in molecular diagnostic, quantification and identification of intestinal micro-organisms from digestive specimen. It will include microbial diversity analysis by 16S rDNA profiling using denaturant gradient gel electrophoresis as well as cloning and sequencing. Part of the program will be dedicated to bioinformatics with phylogenetic analysis for microbial identification of non cultured micro-organisms using the ARB software package. It will also include in situ analysis of bacterial populations in faecal samples using fluorescent in situ hybridization coupled to flow cytometry as well as in situ detection of bacteria in intestinal biopsy samples.

The training sessions will be accompanied by general reviews given by experts in the field of human intestinal microbiology. Round tables will be organised to open debates on the most recent developments and their potential application to the characterization of the human intestinal microbial ecosystem.

The course is supported by the EU and the PROEUHEALTH cluster.



Applications (a maximum number of participants is set at 20):

CV, letters of motivation and/or support to be sent to dore@jouy.inra.fr
Please indicate if your participation is dependent upon financial support for travel.

Deadline for applications: August 29, 2003

For further information, contact:

Joël Doré (dore@jouy.inra.fr)
Tiina Mattila-Sandholm (Tiina.Mattila-Sandholm@vtt.fi)
Willem M. de Vos (Willem.deVos@wur.nl)

