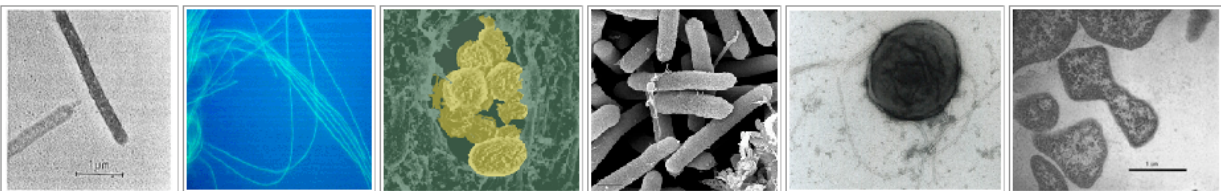


SCIENTIFIC AGENDA



Day 1 – Saturday, 21 June 2008

16:00-18:00 Registration

18:30-19:00 Welcome greetings

Plenary Lecture19:00-20:00 Environmental transcriptomics: eavesdropping on biogeochemistry
Mary Ann Moran

20:00-22:00 Dinner

Day 2 – Sunday, 22 June 2008***Session: Marine microbial communities – Chair: Hans-Peter Klenk***09:00-09:30 Metagenomics of deep-sea microbial communities
Purificacion Lopez-Garcia09:30-10:00 The unique bacterial diversity of the Eastern Mediterranean deep-sea
oxic sediments
Paraskevi Polymenakou10:00-10:30 Identifying the important units of microbial diversity with metagenomics
Kostas Konstantinidis

10:30-11:00 Coffee break – Poster time

Session: Soil microbial communities – Chair: Lisa Bonch-Osmolovskaya11:00-11:30 Simultaneous assessment of soil microbial community structure and
function using meta-transcriptomics
Christa Schleper11:30-12:00 Sampling environmental reservoirs of microbial genes; from drugs to
disease
Liz M.H. Wellington12:00-12:30 Microbial system molecular ecology and the unraveling of hidden
ecosystem functions
Daniele Daffonchio

12:30-14:00 Free time

14:00-15:00 Lunch

Session: Tools & Rules – Chair: Christos Ouzounis

15:00-15:30 The metagenomic toolbox: linking nature's biodiversity to industrial application
Frank Niehaus

15:30-16:00 Designing microbial research commons: learning from institutional policies and collaborative network technologies
Tom Dedeurwaerdere

16:00-16:30 Benefit sharing and genetic resources – ethical and legal challenges
Doris Schroeder

16:30-17:00 Coffee break – Poster time

Session: Methods of analysis of (Meta)Genomic Data

17:00-18:30 Tutorial I: The IMG and IMG/M systems
Victor Markowitz

18:30-19:30 Round table: policy issues and national efforts
Doris Schroeder
Tom Dedeurwaerdere
Willem de Vos

20:00-22:00 Reception

Day 3 – Monday, 23 June 2008

Session: The human microbiome – Chair: Nikos Kyrpides

09:00-09:30 MetaHIT – a European project on the metagenomics of the human intestinal tract
Dusko Ehrlich

09:30-10:00 Exploration of the human gut microbiota using a combination of omics approaches
Janet Jansson

10:00-10:30 Genomic diversity of the enteric microbiota of the infant
Orla O'Sullivan

10:30-11:00 Coffee break - Poster time

Session: Biotechnology application - Chair: Dusko Ehrlich

11:00-11:30 Industrial metagenomics - from science to application
Willem deVos

11:30-12:00 Marine medicine, learning from complex barriers and microbiota in the ocean
Ruth Schmitz-Streit

12:00-12:30 Will we be able to construct a synthetic bacterium?
Antoine Danchin

12:30-14:00 Free time

14:00-15:00 Lunch

15:00-17:00 Optional activities

Session: Methods of analysis of metagenomic data

17:00-18:30 Tutorial II: CAMERA
Kayo Arima

18:30-19:30 Round table: the future of metagenomics
Phil Hugenholtz
Frank Niehaus
Dusko Ehrlich

20:00-21:00 Dinner

Day 4 - Tuesday, 24 June 2008

Session: Symbiotic microbial communities - Chair: Antoine Danchin

09:00-09:30 Metagenomic (and a tiny bit of proteomic) analyses of the symbiotic microbial community of a gutless marine worm
Nicole Dubilier

09:30-10:00 The origin of mitochondria in light of the ocean surface metagenome data
Thijs J. G. Ettema

10:00-10:30 Investigations into termite hindgut microbiology by leveraging metagenomics
Phil Hugenholtz

10:30-11:00 Coffee break - Poster time

Session: Extremophile communities - Chair: Phil Hugenholtz

11:00-11:30 Structural and functional interplay between viruses, plasmids and chromosomes of the acidothermophilic crenarchaeal genus *Sulfolobus*
Roger Garrett

11:30-12:00 Phylogenetic and metabolic diversity of thermophilic prokaryotes
Liza Bonch-Osmolovskaya

12:00-12:30 Unraveling the microbial diversity in Greece within the frame of MicroBioKosmos
George Tsiamis

Closing Session and concluding remarks

12:30-13:00 Genetic engineering and biodiversity- The EU legal framework
Angeliki Kallia-Antoniou

13:00-14:00 Open discussion and goodbyes

END