



International Microorganism Conference:

"Microorganisms facing their environment"

"LES MICROORGANISMES FACE A LEUR ENVIRONNEMENT"

Date: **Thursday 27 and Friday 28 October 2011** from 10:00 AM to 6:00 PM

Location: Auditorium Grande Galerie de l'Evolution, Muséum National d'Histoire Naturelle, Paris, France

Ranging from interactions at the molecular level to global distribution patterns, this conference brings together leading investigators from a diversity of disciplines focusing on microorganisms in relation with their environment (host, other microorganisms, general environment). Topics include the following:

1. Biodiversity of microorganisms
2. New tools to explore biodiversity of microorganisms
3. Environmental changes and consequences on microorganisms
4. Perception of the environment by microorganisms
5. Symbiosis
6. Host Parasite interactions
7. Zoonosis and emergent / re-emergent diseases

Organized to maximize interaction, the conference includes a single session of oral presentations each morning and afternoon, and a social and poster session in the early evening.

[Information about the conference and travel](#) (Annexe 1)

Presentations will be in oral or poster format. Oral sessions will include 10 or 15-minute talks. The organizing committee encourages poster presentations (A0, 107 x 122 cm). Preferences for oral presentations will be considered, but we may not be able to accommodate all requests. Title and abstracts should be as informative as possible. After reviewing all abstracts, the organizing committee will decide on the final scientific program.

Young researchers:

We are willing to welcome communications from PhD students or junior postdoctorants.

Deadlines:

Register for conference (free of charge but mandatory): September 15, 2011

Submit abstracts for poster or oral presentations (see further [instructions](#)): August 30, 2011

Contact: Coralie Martin (UMR7245), cmartin@mnhn.fr, (33) 140793496, fax (33) 140793499

Organizers:

Coralie Martin

Sylvie Rebuffat

Christine Bailly

Sponsors:

Muséum National d'Histoire Naturelle

Programme

Session 1: Assessment of microorganism diversity and development of new diagnostic tools

Session 1: Exploration de la biodiversité et développement de méthodes innovantes de diagnostic des microorganismes

We welcome contributions which deal with microorganism diversity in aquatic and terrestrial environments favouring the use of modern techniques like metagenomic approaches, in situ hybridization, flow cytometry, isotope probing.

Session 2: Study of the relationships between the microorganisms and their non-living environment.

Session 2: Effet de l'environnement et des changements climatiques sur la dissémination des micro-organismes

Contributions are welcome that deal with the anaerobic microbial ecosystems of degradation of household waste, the degradation of the oil products by the micro-organisms of the environment, the impact of heavy metals, detoxification.... and the consequences on human and animal health

Session 3: Study of the relationships that microorganisms can establish with a host or between them.

Session 3: Etude des relations que les micro-organismes peuvent établir avec un hôte ou entre eux.

Contributions deal with symbiotic interactions (mutualistic or parasitic) and more particularly with decision-making processes to coordinate responses from the host or from microorganisms.

Session 4: Evolutionary History of human diseases

Session 4: Histoire évolutive de la relation Homme-maladie

This session deals with interest in new diseases, such as HIV/AIDS and Ebola, and the resurgence of older diseases like tuberculosis which has fostered questions about the history of human infectious diseases. How did they evolve? Where did they originate? What natural factors have stalled the progression of diseases or made them possible? How does a microorganism become a pathogen? How have infectious diseases changed through time? What can we do to control their occurrence?

Invited speakers

Dr. Niculina Musat, MPI for Marine Microbiology, Celsiusstr. 1, D-28359 Bremen, Germany
"NanoSIMS imaging of single microbial cells in environmental samples"

Dr Diane Purchase, Department of Natural Sciences, School of Health and Social Sciences,
Middlesex University, The Burroughs, London NW4 4BT.

"*Beauveria*, Biosurfactant and *Bacillus*: microbial potential to remediate pollutants"

Dr. Kenneth M. Pfarr, Institute for Medical Microbiology, Immunology and Parasitology
University Hospital Bonn Sigmund-Freud-Str., D-53105 Bonn Germany

"The symbiosis between *Wolbachia* and filarial nematodes"

Annexe 1

Microorganisms facing their environment

Dear Colleagues: We hope you will join us for the International Microorganism Conference. Attached are the registration forms for to the Conference that will be held from October 27 - October 28 at the Auditorium Grande Galerie de l'Evolution, Muséum National d'Histoire Naturelle, Paris, France

Location:

Muséum National d'Histoire Naturelle, 75005 Paris, France. closer tube stations: Jussieu (line 7), Censier-Daubenton (line 7), Austerlitz (lines 5 and 10, RER C),

Deadlines:

Register for conference (free of charge but mandatory): September 15, 2011

Submit abstracts for poster or oral presentations (instructions): August 30, 2011

Forms and details are below:

REGISTRATION for meeting attendance: free of charge but mandatory

(deadline: September 15, 2011)

Please mail/fax the separate, completed registration form for conference registration directly to cmartin@mnhn.fr / 0140793499

REGISTRATION for presentation abstract

(deadline: August 30, 2011):

Presentation will be in oral or poster format. Oral sessions will include 10 or 15 minute talks. The Organizing Committee encourages poster presentations (A0, 107x122 cm). Preferences for oral presentations will be considered but we may not be able to accommodate all requests. Title and abstracts should be as informative as possible. After reviewing all abstracts, the organizing committee will decide on the final scientific program.

Please complete the Presentation Form (attached at the end) and e-mail together with your abstract to: Coralie Martin (UMR7245), cmartin@mnhn.fr, (33) 140793496, fax (33) 140793499

Abstract limit is 250 words, use Times New Roman or Times 12 pt font. If possible, submit as MS Word document (.doc or .docx).

Please follow this example format:

INHERITED FUNGAL AND BACTERIAL ENDOSYMBIONTS OF A PARASITIC WASP AND ITS COCKROACH

Cara M. Gibson^{1*} and Martha S. Hunter¹

¹ College of Agriculture and Life Sciences, Department of Entomology, The University of Arizona, Tucson, AZ 85721-0036, USA

* presenting author phone, email contact

Bacterial endosymbionts of insects are increasingly being recognized as common, diverse, and integral to the biology of their hosts. Inherited fungal symbionts have been largely overlooked, however, even though insect guts appear to be a key habitat for an incredible array of fungal diversity. ...

PRESENTATION FORM

Name:
Institution:
Address:
Tel:
Fax:
E-mail:

Poster/talk consideration:

Poster presentation? (Y/N)

Author/s and Title

Is this poster being presented by a postdoc or grad student? (Y/N)

Oral presentation? (Y/N)

Authors and Title

Is this presentation being presented by a postdoc or grad student? (Y/N)

Please indicate which session is most appropriate for your presentation, we will try to fit everybody into their first choice session

THURSDAY

10:00 - 10:10 Arrival and Welcome / Introduction by Prof. S. Rebuffat

10:10 - 13:00 SESSION 1: Assessment of microorganism diversity and development of new diagnostic tools

10:10 - 10:40 **Invited speaker 1**

10:40 - 10:50 Discussion

10:50 - 11:00 **Speaker 2**

11:00 - 11:05 Discussion

11:05 - 11:15 **Speaker 3**

11:15 - 11:20 Discussion

11:20 - 11:50 Coffee Break

11:50 - 12:15 **Invited speaker 4**

12:15 - 12:20 Discussion

12:20 - 12:35 **Speaker 5**

12:35 - 12:40 Discussion

12:40 - 12:55 **Speaker 6**

12:55 - 13:00 Discussion

13:00 - 14:00 Lunch

14:00 - 17:00 SESSION 2: Study of the relationships between the microorganisms and their non-living environment.

14:00 - 14:30 **Invited speaker 1**

14:30 - 14:40 Discussion

14:40 - 14:55 **Speaker 2**

14:55 - 15:00 Discussion

15:00 - 15:15 **Speaker 3**

15:15 - 15:20 Discussion

15:20 - 15:50 Coffee Break

15:50 - 16:15 **Invited speaker 4**

16:15 - 16:20 Discussion

16:20 - 16:30 **Speaker 5**

16:30 - 16:35 Discussion

16:35 - 16:45 **Speaker 6**

16:45 - 16:50 Discussion

17:00 - 18:00 **POSTER SESSION 1**

FRIDAY

10:00 - 10:10 Arrival / Introduction by Prof. S. Rebuffat

10:10 - 13:00 SESSION 3: Study of the relationships that microorganisms can establish with a host or between them

10:10 - 10:40 **Invited speaker 1**

10:40 - 10:50 Discussion

10:50 - 11:00 **Speaker 2**

11:00 - 11:05 Discussion

11:05 - 11:15 **Speaker 3**

11:15 - 11:20 Discussion

11:20 - 11:50 Coffee Break

11:50 - 12:15 **Invited speaker 4**

12:15 - 12:20 Discussion

12:20 - 12:35 **Speaker 5**

12:35 - 12:40 Discussion

12:40 - 12:55 **Speaker 6**

12:55 - 13:00 Discussion

13:00 - 14:00 Lunch

14:00 - 17:00 SESSION 4: Evolutionary History of human diseases

14:00 - 14:30 **Invited speaker 1**

14:30 - 14:40 Discussion

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14:55 - 15:00 Discussion

15:00 - 15:15 **Speaker 3**

15:15 - 15:20 Discussion

15:20 - 15:50 Coffee Break

15:50 - 16:15 **Invited speaker 4**

16:15 - 16:20 Discussion

16:20 - 16:30 **Speaker 5**

16:30 - 16:35 Discussion

16:35 - 16:45 **Speaker 6**

16:45 - 16:50 Discussion

17:00 - 18:00 POSTER SESSION 2