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# AGENDA

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## ISME-6

### 6TH INTERNATIONAL SYMPOSIUM ON MICROBIAL ECOLOGY

Barcelona 6-11 September '92

#### Organització:

International Committee for Microbial Ecology (ICOME)

Spanish Society for Microbiology  
Catalan Society for Biology

#### Presentació:

The sixth International Symposium on Microbial Ecology (ISME-6) will be held in Barcelona, Spain, September 6-11, 1992. Members of the international scientific community, including students, are invited to attend and participate. From the first symposium, in Dunedin, New Zealand, in 1977, to the fifth meeting in Kyoto, Japan, in 1989, these Symposia have grown in size and importance. Not only has the number of participants increased, but so has the number of topics covered, reflecting the growing importance of microbial ecology. ISME-6 aims at providing, once more, a forum where different aspects of current research in microbial ecology, both basic and applied, can be presented and discussed in a pleasant and open scientific atmosphere in the Mediterranean city of Barcelona, a few weeks after the summer Olympic Games of 1992.

#### Lloc:

ISME-6 will be held at the Palau de Congressos (Congress Hall) of Barcelona.

#### Programa científic:

The scientific program will include a wide range of topics related to microbial ecology. There will be plenary lectures, symposia, workshops, round table discussions and contributed papers

(poster and oral). Some of the topics to be covered are (others may be proposed in the pre-registration form):

#### A. Methods of microbial ecology

1. New methods of community analysis
2. Molecular methods for the identification of microorganisms
3. Strategies for the discovery, isolation and characterization of new organisms

#### B. Ecology of individuals and populations

4. Microbiology of extreme environments
5. Population dynamics, growth and survival
6. Microbial attachment and its consequences
7. Microhabitats and gradients
8. Microorganisms in changing environments
9. Strategies for growth and survival

#### C. Ecology of interacting populations

10. Viruses
11. Epidemiology and host-pathogen interactions
12. Symbiosis
13. Interactions among microorganisms
14. Plant-bacterial associations
15. Animal-bacterial associations

#### D. Communities and the environment

16. Gene transfer in the environment
17. Community potential: spores, cysts and other propagules
18. Primary and secondary production
19. Microbial food webs
20. Structure and diversity of microbial communities
21. Global ecology approaches and biogeochemical cycling
22. Atmosphere and outer space as microbial habitats

#### E. Applied microbial ecology

23. Ecological principles behind risk assessment
24. Pollution control
25. Agricultural applications
26. Microbial ecology of food
27. Biological control

#### F. Towards a theory of microbial ecology

28. The role of models in microbial ecology
29. Testing ecological hypotheses with microorganisms
30. Microbial species concept
31. Microbial evolution and molecular phylogeny

#### G. Scientific research management

32. Funding policies
33. Strategic research needs
34. Networking

#### Exposició comercial:

An exhibition of scientific instruments, material, journals and books will be held simultaneously with the Symposium. Organizations and companies interested in participating may ask for further information by completing and returning the enclosed pre-registration form.

#### Recordem que:

The XXV Congress of the Societas Internationalis Limnologiae (SIL) will be held in Barcelona from August 23 to 30, 1992. Joint activities, both scientific and otherwise, are being considered for the week between both meetings.

#### Si voleu més informació:

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