

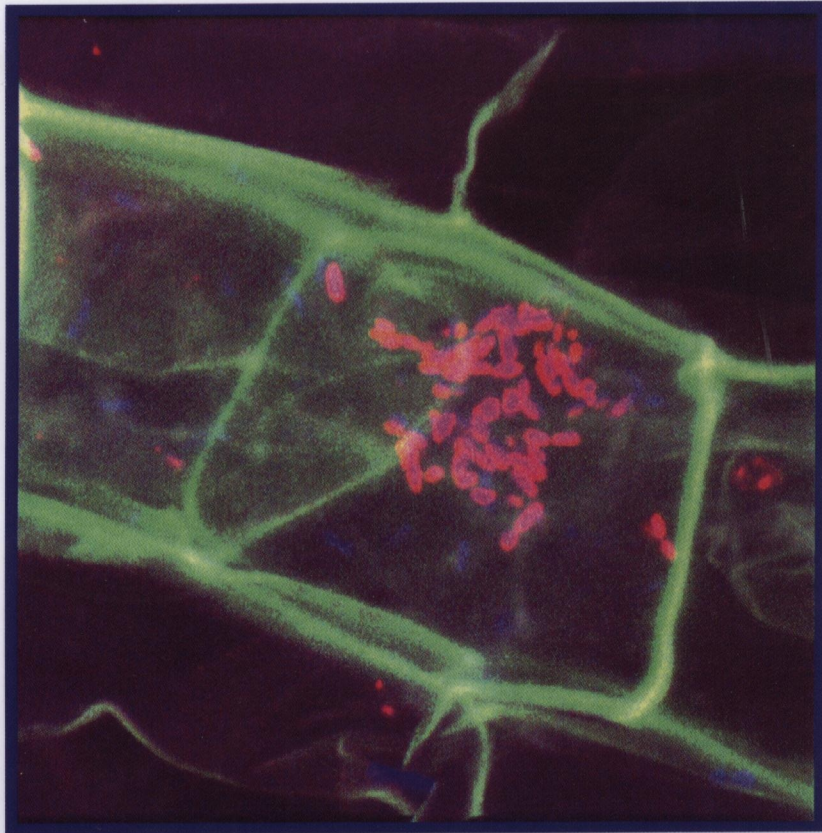


INSTITUT PASTEUR

ISSN 0923-2508

# *Research in* **Microbiology**

*Established in 1887 as the 'Annales de l'Institut Pasteur'*



ELSEVIER

Vol. 161





## CONTENTS

Cited/abstracted in: Biological Abstracts/Biosis, CNRS/Pascal, Current Contents (Life Sciences), Excerpta Medica/EMbase, Index Medicus/Medline, Science Citation Index, Scopus.

### SPECIAL ISSUE: TRIBUTE TO JACQUES MONOD (1910–1976)

#### EDITORIAL

##### A tribute to Jacques Monod

C. Elmerich ..... 67

#### TRIBUTE TO JACQUES MONOD

##### Jacques Monod, 1910–1976: his life, his work and his commitments

A. Ullmann ..... 68

##### Jacques Monod (1910–1976) and his publications in the “*Annales de l’Institut Pasteur*”

S. Legout ..... 74

##### The scientific legacy of Jacques Monod

M. Morange ..... 77

#### ORIGINAL ARTICLES

##### *Phylogeny, ecology and population dynamics*

##### Species delineation and clonal diversity in four *Bifidobacterium* species as revealed by multilocus sequencing

A. Delétoile, V. Passet, J. Aires, I. Chambaud, M.-J. Butel, T. Smokvina, S. Brisse ..... 82

##### Phylogeny, diversity and host specialization in the phylum *Synergistetes* with emphasis on strains and clones of human origin

H. Marchandin, A. Damay, L. Roudière, C. Teyssier, I. Zorngiotti, H. Dechaud, H. Jean-Pierre, E. Jumas-Bilak ..... 91

##### *Physiology and metabolism*

##### Exopolysaccharide production by nitrogen-fixing bacteria within nodules of *Medicago* plants exposed to chronic radiation in the Chernobyl exclusion zone

N. Pawlicki-Jullian, B. Courtois, M. Pillon, D. Lesur, A. Le Flèche-Mateos, J.-C. Laberche, N. Goncharova, J. Courtois ..... 101

##### *Molecular genetics and genomics*

##### Improvement in doxorubicin productivity by overexpression of regulatory genes in *Streptomyces peucetius*

S. Malla, N.P. Niraula, K. Liou, J.K. Sohng ..... 109

##### Prokaryotic division interactome: setup of an assay for protein–protein interaction mutant selection

S. Barbati, L. Grenga, G. Luzi, L. Paolozzi, P. Ghelardini ..... 118

##### *Mobile elements*

##### Characterisation and transferability of antibiotic resistance genes from lactic acid bacteria isolated from Irish pork and beef abattoirs

N. Toomey, D. Bolton, S. Fanning ..... 127

##### Route 66: investigations into the organisation and distribution of the IS66 family of prokaryotic insertion sequences

E. Gourbeyre, P. Siguier, M. Chandler ..... 136

##### *Microbes-environment interactions*

##### The 285 kDa Bap/RTX hybrid cell surface protein (SO4317) of *Shewanella oneidensis* MR-1 is a key mediator of biofilm formation

S. Theunissen, L. De Smet, A. Dansercoer, B. Motte, T. Coenye, J.J. Van Beeumen, B. Devreese, S.N. Savvides, B. Vergauwen ..... 144