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## Society for Microbial Ecology and Disease

**Executive Board:** **President:** Gianfranco Donelli; **President-elect:** Marika Mikelsaar; **Secretary:** Shigeru Kamiya; **Treasurer:** Eugenia Bezirtzoglou; **Councillors:** Diane Citron, Francesca Clementi, Andrew B. Onderdonk, Arthur C. Ouwehand, Boris Shenderov, Michael Wilson

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# SOMED NEWSLETTER

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FALL / WINTER 2008

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### PRESIDENT'S MESSAGE

Dear members, colleagues and friends,  
During the last years, a number of SOMED issues have been successfully carried on, including the organization of a couple of annual meetings that have registered a large attendance. In fact, the very interesting programs of both meetings in Italy and Sweden have attracted hundreds of participants and SOMED members. MEHD has now published the extended abstracts of the invited speakers in the Rome meeting and the abstracts of the Djuronaset meeting. SOMED has also a newly designed webpage which is rich of information on the past and present of the Society. Efforts have also been done to reinforce MEHD as the SOMED official journal either by providing sponsoring companies to help its publication or by increasing the number of SOMED members, that is of MEHD subscriptions. However, a number of critical issues are still ongoing, including the poor quality of service offered by Informa Healthcare in managing SOMED membership and the difficulties of this company to adhere to different points of the agreement signed with our Society at the end of 2004. A recent example of the quality of their service is represented by the sending to all SOMED members of a shocking subscription renewal invoice of € 522.88 so generating chaos and disappointment among all of us. Of course, as I wrote to many of you, ignore that invoice.  
Just recently, after a number of complaints, I finally obtained the list of all regularly-paying SOMED members for the year 2008 and the transfer of the Society's dues to our Treasurer. However, Informa Healthcare has informed me in mid November on the cancellation of the agreement basically on the fact that only 77 of the 107 applying members have paid their fees for the year 2008. In fact, our agreement with them was based on a minimum number of 100 SOMED members. Thus, for 2009 applications and renewals, I ask you to send your fees directly to the SOMED Treasurer, Prof. Eugenia Bezirtzoglou as indicated in the 2009 SOMED application form enclosed at the end of this issue. Unfortunately, it is too complicate and expensive to arrange for payments by credit cards. I'm aware of the problems and costs associated with bank transfer or sending cheques but it is the only way to manage the membership fees for a small Society as SOMED.

Finally, also on behalf of all SOMED members, I would like to wish all the best to our President-elect Marika Mikelsaar in the occasion of her 70th birthday. Her assistants and students have celebrated Marika's birthday with a book dedicated to her significant contributions to microbial ecology and I had the pleasure, as well as other colleagues around the world, to contribute to this book.



Looking forward to our next meeting in St. Petersburg, I wish you a Merry Christmas and a very Happy New Year.

Gianfranco Donelli  
SOMED President



Season's Greetings

## FORTHCOMING EVENTS

### FEMS and NoE EPG Pathogenomics Conference

KIBBUTZ EIN GEDI, ISRAEL, FEBRUARY 22-25, 2009

#### Aim

The aim of this meeting is to discuss newly discovered aspects of bacterial pathogenesis and host bacterial interactions at the molecular and genomic level. The meeting will consist of invited lectures and poster sessions and bring up-to-date information on bacterial-host interactions and to include a variety of bacterial pathogens and diseases. A significant part of the meeting will be dedicated to data emerging from genomic and functional genomic studies of bacterial pathogens and to analysis of the complex interactions of pathogenic bacteria with their mammalian hosts.

#### Program

The meeting will start in the afternoon of February 22 and will end in the evening of February 25. There is a pre-meeting tour (optional) to the north of Israel (Galil) to see the wintering birds and a post-meeting tour (optional) to Jerusalem to see a few of the holy places.

For details see the online-registration form

<https://events.d-u.co.il/duin/bacterial/>

#### Confirmed Speakers and Chairpersons (partial list)

Y. Aharonowitz, C. Buchrieser, T. Chakraborty, P. Cossart, M. da Costa, F. Garcia del Portillo,

U. Dobrindt, G. Frenkel, E. Gazit, W. Goebel, J. Hacker, E. Hanski, A. Herskovits, S. Lory,

T. F. Meyer, C. Montecucco, E. Oswald, S. Petrokovski, M.

Pizza, R. Rappuoli, E. I. Rosenberg, S. Rosenshine, S. Rottem,

A. Shafferman, R. Sorek, T. Tonjum, B. E. Uhlin, J. Wehland.

#### Poster Abstracts

For poster abstract submission, please use the attached

~~Abstract submission form~~ [for submission](#) is

December 15, 2008.

All abstracts shall be submitted by Email to:

[gabriele.blum@mail.uni-wuerzburg.de](mailto:gabriele.blum@mail.uni-wuerzburg.de) as an attachment.



University city of Zilina, Slovakia

The conference will be organised in a series of thematically ordered sessions. Contributions to the conference will be strictly evaluated by the members of the Scientific Committee in order to ensure a high level of scientific and/or practical quality and relevance. All contributions accepted will be assigned to a specific session. All contributions accepted and presented at the conference will be included with the official conference proceedings of Food and Function 2009.

The themes of the conference focus on the current advances in the research of nutraceuticals and functional foods, their present and future role in maintaining health and preventing diseases with particular emphasis on evidence-based benefits in the following fields:

- Gastrointestinal System
- Cardiovascular System
- Musculoskeletal System
- Urogenital System
- Dermatology
- Immune System
- Allergy
- Nervous System
- Cognitive System
- Weight Control, Obesity
- Aging
- Nutrigenomics
- Mechanisms of Action
- Clinical Trials and Claim Substantiation
- Novel approaches - Products and Benefits
- Novel food and related issues
- Adverse Effects, Safety
- Regulatory Issues and Barriers
- Future of Nutraceuticals and Functional Foods - Products and Benefits

For further information visit:  
<http://www.foodandfunction.com/>



GÖTEBORG, SWEDEN | JUNE 28 – JULY 2, 2009



## FEMS 2009

Advancing Microbial Knowledge

The 3rd Congress of European Microbiologists offers professionals the latest information on microbiology, an in-depth understanding of the interdependence between key fields, and a chance to discuss solutions to future challenges.

FEMS 2009, "Microbes and Man - interdependence and future challenges," features presentations by top scientists, joint symposia, satellite symposium, and a focus on [young scientists](#).

This microbiology congress, organized by [The Federation of European Microbiological Societies \(FEMS\)](#), will take place in [Gothenberg, Sweden](#), June 28-July 2, 2009.

We [welcome](#) professionals in the field to [register](#), submit their abstracts, and help advance the world of microbes!

### Key areas to be addressed:

- Biodiversity
- Bioremediation
- Biofilms in Ecology and Medicine
- Clinical Microbiology and Pathogenesis
- Eukaryotic Microbes
- Food Microbiology
- Marine Microbiology
- Microbial Stress Responses
- Microbes in Alternative Energy Generation
- Molecular Microbiology and Genomics
- Virology

### FEMS CONGRESS HIGHLIGHTS

- Plenary lectures by leading experts in their fields
- Joint symposia with other international microbiological organizations: ASM, ESCMID, ISME, IUMS
- Awards:
  - (a) Lwoff Medal
  - (b) Jensen Award
  - (c) Congress awards for young scientists
- Inauguration of European Academy of Microbiology
- Career fair for young scientists
- Nordic Midsummer's Night Party

**KENES International**, 1-3 Rue de Chantepoulet PO Box 1726, CH-1211 Geneva 1 Switzerland,  
Tel : +41 22 908 0488, Fax : +41 22 732 2850,  
E-mail: [fems@kenes.com](mailto:fems@kenes.com)



### Organizing Committee

Gianfranco Donelli, Chair (Italy)  
Niels Høiby (Denmark)  
Søren Molin (Denmark)  
Ute Römling (Sweden)  
Philip S. Stewart (USA)  
Craig Williams (UK)  
Michael Wilson (UK)

### Local Organizing Committee

Maria Pia Balice  
Iolanda Francolini  
Emilio Guaglianone  
Angelo Rossini  
Antonino Salvia  
Sandra Terziani  
Claudia Vuotto

### Scientific Secretariat

Professor Gianfranco Donelli  
Dept. of Technologies and Health  
Istituto Superiore di Sanità  
Viale Regina Elena 299  
00161 Rome - Italy  
Tel: + 39 06 49902228  
Fax: + 39 06 49387141  
E-mail: [gianfranco.donelli@iss.it](mailto:gianfranco.donelli@iss.it)

### International Advisory Board

Giuseppe Cornaglia (Italy)  
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Giancarlo Schito (Italy)  
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David Stickler (UK)  
Paul Stoodley (USA)  
Paul Williams (UK)

### Organizing Secretariat

PTS Congresses  
via Nizza, 45  
00198 Rome - Italy  
Tel: + 39 06 85355590  
Fax: + 39 06 85356060  
E-mail:  
[eurobiofilms2009@ptsroma.it](mailto:eurobiofilms2009@ptsroma.it)

### General Information

EUROBIOFILMS 2009 will be held in the Congress Center of the Fondazione Santa Lucia, a large and modern research hospital located near to the most important archaeological area of Rome.



The Santa Lucia Scientific Institute for Research, Hospitalization and Health Care



A 500 seats Auditorium (Hall A) will be available in the Congress Center for Plenary and Keynote Lectures. Every day, just after the first coffee break, this Auditorium will be split into 2 conference rooms of 250 seats each (Hall A1 and Hall A2) to run parallel sessions/symposia.

Suitable rooms for poster display, industrial exhibitions and technical workshops will be available in a building immediately close to the Auditorium.

A shuttle bus service to reach the congress venue in the morning and come back to the hotels in the afternoon will be provided to all participants that will book their accommodation in the congress hotels. The congress venue is also served by public buses.



The Congress Auditorium

#### Welcome Message



Dear Colleagues,  
from September 2 to 5, 2009 Rome will be the fascinating venue of EUROBIOFILMS 2009, the First European Congress on Microbial Biofilms.

This event aims to provide the large number of European scientists involved in the field of microbial biofilms with a valuable forum for a multidisciplinary scientific exchange of information with colleagues coming from all over the world. The already approved ESCMID and FEMS grants will offer financial support for the participation of a number of young scientists.

The congress will join together microbiologists and specialists in infectious diseases, hygiene and public health who are investigating different aspects of bacterial and fungal biofilms.

Further, the attendance of biotechnologists, chemists and engineers will update participants on the currently available methods to control biofilms in medical, environmental and industrial systems.

The congress will be also focused on the evaluation of health and environmental risks related to the sessile mode of microbial growth in order to provide innovative responses in terms of prevention and treatment.

EUROBIOFILMS 2009 program has been developed together with the ESCMID Study Group on Biofilms to combine state of the art lectures and sessions dealing with the major issues of this fast-growing scientific area.

I look forward to welcoming you to what promise to be an educational, enjoyable and exciting meeting in Rome!

Gianfranco Donelli  
Chair, EUROBIOFILMS 2009

#### Congress Topics

Antibiotic Resistance in Biofilm-Growing Bacteria  
Biofilms in chronic wounds  
Biofilm Control Strategies and Therapeutic Approaches  
Biofilm-Based Medical Device-Related Infections  
Biofilm-Growing Bacteria in Gastrointestinal and Urogenital Tracts  
Biofilms in Industrial Systems  
Biofilms in Natural Environments  
Biofilms in orthopedic implants: from basic research to clinics  
Cardiovascular medical devices: prevention and control of biofilms  
C-di-GMP Regulation of Biofilm Phenotypes Relevant to Virulence  
Fungal Biofilms  
Host-Pathogen Interactions in Biofilm-Mediated Infections  
Imaging tools for studying microbial biofilms  
Oral Biofilms: Structure, Microbial Interactions and Development  
The Biofilm Matrix  
The Early Stages of Biofilm Development

#### Registration Fees (including VAT)

	Early Registration until June 15, 2009	Intermediate Registration until July 20, 2009	Late Registration On site
Standard Registrant*	€ 600	€ 650	€ 700
Young Registrant**	€ 400	€ 450	€ 500
Trainee Registrant***	€ 300	€ 350	€ 400
Daily Registrant****	€ 200	€ 250	€ 250
Accompanying person*****	€ 200	€ 250	€ 250

\*The Standard, Young and Trainee Registrant fee includes a congress bag containing the Final Program/ Abstract Book and the other congress documents as well as vouchers for the participation to the Opening Ceremony, Welcome Reception, working lunches, coffee breaks and Farewell Lunch.

\*\*To register as Young Attendee, the applicant must be under the age of 40 and is required to attach a copy of his/her identity card to the registration form.

\*\*\*To register as a Trainee, the applicant must be under the age of 30 and a copy of his/her identity card must be attached to the registration form together with a letter of his/her supervisor certifying the student status.

\*\*\*\*Daily registrant are entitled to receive a copy of the Final Program/Abstract Book together with the vouchers for the working lunch and the coffee breaks of the day.

\*\*\*\*\*The Accompanying Person fee includes the participation to the Opening Ceremony, Welcome Reception and Farewell Lunch as well as a full day tour of Rome. Admittance to Scientific Sessions, Symposia and Workshops is not permitted.

Grants available for young attendees which are members of ESCMID or members of a National Society of Microbiology belonging to FEMS

The following attendance grants offered by ESCMID and FEMS are available:  
 15 ESCMID grants (EUR 400) for young attendees under 40 years old (born in 1969 or later)  
 FEMS grants for young attendees under 36 years old that will be assigned as follow:

- a) 15 grants for European attendees (EUR 400)
- b) 5 grants for non European attendees (EUR 600)

**Conditions to apply for a FEMS Young Scientists Meeting Grant (YSMG)**

According to the FEMS Regulations, a young scientist wishing to apply for a Meeting Attendance Grant should fill in the YSMG application form (available on: [www.fems-microbiology.org](http://www.fems-microbiology.org)) and should be:

- 1) a member of a FEMS Member Society or – in special cases - recommended by such a member;
- 2) younger than 36 years of age at the closing date of the meeting (born after September 5<sup>th</sup> 1973);
- 3) a working microbiologist;
- 4) the presenting author of an abstract.

Applicants should send to the Congress Secretariat, within March 20<sup>th</sup>, 2009, the Congress registration form, the YSMG application form, a short CV with a cover letter indicating their motivation for attending the event and a copy of their abstract to be submitted.

**Conditions to apply for an ESCMID attendance grant for young scientists**

ESCMID provides attendance grants covering the registration fee but not travel or accommodation costs. Applicants (born in 1969 or later) should send to the Congress Secretariat, within March 20<sup>th</sup>, 2009, the Congress registration form, a short CV with a cover letter indicating their motivation for attending the event and a copy of their abstract to be submitted.

**Important Dates to Remember**

<u>Preliminary Program</u>	<u>October 15, 2008</u>
<u>Registration and Abstract Submission Opening</u> *	<u>January 15, 2009</u>
<u>Abstract Submission Deadline</u> **	<u>April 15, 2009</u>
<u>Notification/Abstract Acceptance</u>	<u>May 30, 2009</u>
<u>Early Registration</u>	<u>June 15, 2009</u>
<u>Registration</u>	<u>July 20, 2009</u>
<u>Final Program</u>	<u>July 31, 2009</u>

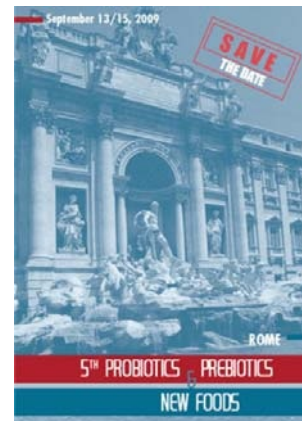
\* Authors interested in the oral presentation of their contributions are invited to register and submit their abstracts as soon as possible in order to be considered by the Organizing Committee for their possible inclusion in the Sessions or Symposia.

\*\* Late breaking abstracts will be accepted until May 15, 2009 but will be considered only for Poster presentations.

The scientific preliminary programme is available on:  
[www.ptsroma.it/eurobiofilms2009](http://www.ptsroma.it/eurobiofilms2009)

## 5th PROBIOTICS, PREBIOTICS & NEW FOODS

Rome, September 13 – 15, 2009



For further information and updates:

**e meeting & consulting**  
 Via Michele Mercati, 33  
 00197 Roma, Italy  
 Phone +39 06.80693320  
 Fax +39 06.3231136  
[probiotici2009@emec-roma.com](mailto:probiotici2009@emec-roma.com)  
[info@emec-roma.com](mailto:info@emec-roma.com)  
[www.emec-roma.com](http://www.emec-roma.com)



## 6<sup>th</sup> CLOSTPATH International Conference "Clostridia: The Impact of Genomics on Disease Control"

Rome, October 19-23, 2009

**Organizing Committee**

- Paola Mastrantonio, Chair (Italy)
- Ngel Minton (UK)
- Bruce A. McClane (USA)
- Maja Rupnik (Slovenia)
- Rick Titball (UK)
- Elisabeth Nagy (Hungary)
- J. Glen Songer (USA)
- Miia Lindström (Finland)
- Julian Rood (Australia)
- Linc Sonenshein (USA)

**For further information:**

Local Organizing Committee: [paola.mastrantonio@iss.it](mailto:paola.mastrantonio@iss.it)  
 Marie Curie Scientific Secretariat: [jacqueline.minton@nottingham.ac](mailto:jacqueline.minton@nottingham.ac)  
 Conference Secretariat: [Manuela.Morandini@ptsroma.it](mailto:Manuela.Morandini@ptsroma.it)

# XXXII International Congress of the Society for Microbial Ecology and Disease

October 29–30, 2009, St. Petersburg, Russia  
Anichkov Palace, Nevsky Prospect, 39

## Congress Official Information

### International Executive Committee:

E. Tkachenko (Russia) – Congress President  
G. Donelli (Italy) – SOMED President, Congress Co-President  
B. Shenderov (Russia) – Chairman of Congress Scientific Committee, Congress Co-President  
V. Aleshkin (Russia) – Congress Vice-President  
V. Dobritsa (Russia) – Congress Vice-President  
T. Midtvedt (Sweden) – Congress Vice-President  
M. Mikelsaar (Estonia) – SOMED President elect  
G. Onishchenko (Russia) – Congress Vice-President

### International Advisory Board:

M. Baltadzhieva (Bulgaria), E. Bezirtzoglou (Greece), A. Bomba (Slovakia), P. Brandtzaeg (Norway), D. Citron (USA), F. Clementi (Italy), P. Heid (The Netherlands), S. Kamiya (Japan), V. Kostadinova (Slovenia), I. Lenoir-Wijnkoop (France), P. Mastrantonio (Italy), C-E. Nord (Sweden), E. Norin (Sweden), G. Novik (Belarus), A. Onderdonk (USA), A. Ouwehand (Finland), J. Pokrotnieks (Latvia), I. Rogelj (Slovenia), G. Reid (Canada), I. Rowland (UK), V. Rush (Germany), S. Salminen (Finland), M.-E. Sanders (USA), I. Surono (Indonesia), J. Tagg (New Zealand), L. Vieira (Brazil), M. Wilson (UK), M. Zeng (China)

### Organizing Committee (Russia):

A. Amerhanova, V. Bondarenko, E. Bulatova, V. Grinevich, S. Ketlinskiy, V. Kharitonov, M. Kiselev (Congress Vice-President), L. Lazebnik, L. Petrov, V. Polyakov, A. Shabrov, S. Sheveleva, V. Simanenkov, A. Suvorov (Co-Chairman of Congress Scientific Committee), B. Tkachenko, V. Uyba (Congress Vice-President), A. Zhebrun

### Congress Secretariat:

Dr. Stanislav Sitkin, Prof. Vyacheslav Golofeevskiy  
Gastro Ltd., P.O. Box 55  
197101 St. Petersburg Russia  
Fax: +7 (812) 232-9063  
E-mail: [microbiota@peterlink.ru](mailto:microbiota@peterlink.ru)

### Official organizers:

Gastro Ltd. (St. Petersburg, Russia)  
Oasis Ltd. – Travel, Air and Congress Service (St. Petersburg, Russia)

## Preliminary Topics of Congress Program

### Sessions / Symposia:

#### I. State of Art of Host Microbiota

1. Molecular Tools for Identifying, Typing, Quantifying and Profiling Representatives of Host Microbiota (Including Probiotic Cultures)
2. Host Microbiota Genomics, Proteomics, Metabolomics
3. Host Microbiota Cross-talk Languages

#### II. Impact of Microbiota on Host Physiology

1. Gut Host Microbiota & Nutrition (in Health and Digestive and Metabolic Syndrome Connected Diseases)
2. Host Microbiota & Immune System
3. Host Microbiota Regulation Disturbances & Human "Diseases of Civilization"

(AIDS; Avian Influenza Virus Infection; Cancer, Healthcare-associated Infections; Drug Disease)

#### III. Strategies for Improvement of Microbial Ecology Related Disturbances

1. Probiotics, Prebiotics & Metabiotics
2. Host Indigenous Microorganisms and Prospects of their Use

in Biotechnology

3. Future Outlooks for Scientific and Applied Aspects of Microbial-Host Interactions in Health and Disease

### Round Table:

Round-table Discussion "Antibiotics and Probiotics are Two Sides of the Same Medal – "Medal of BioChemotherapy"

## General Information

### Location:

St. Petersburg, Anichkov Palace, Nevsky Prospect, 39

### Official languages:

English and Russian

### Abstracts:

Abstracts should be submitted **no later than May 29, 2009**

### Poster session:

Posters will be exhibited on Thursday, October 29, 2009, and Friday, October 30, 2009, at the Congress Hall.

Please submit your abstracts **before May 29, 2009**.

One page not exceeding **250 words** written in English (it's obligatory) and in Russian at will (only as Russian version, not obligatory) will be accepted with the [Congress Registration Form](#) only by e-mail: [microbiota@peterlink.ru](mailto:microbiota@peterlink.ru).

Key word: SOMED Probiotic Congress

### Ordinary registration (without poster/abstract):

Please submit your [Congress Registration Form](#) before June 30, 2009 (for early registration) or till September 30, 2009 (registration's deadline) by e-mail: [microbiota@peterlink.ru](mailto:microbiota@peterlink.ru).

Key word: SOMED Probiotic Congress

### Congress Fees:

#### Early registration (before June 30, 2009):

Academical delegates: € 300  
Industrial delegates: € 500  
Students and residents: € 150

#### Late registration (after June 30, 2009):

Academical delegates: € 350  
Industrial delegates: € 600  
Students and residents: € 175

### The Congress Fee includes:

Congress program (all scientific sessions and workshops attendance)

Welcome a la fourchette with drinks on October 29, 2009

A copy of the program/abstract volume of the Congress

### Bank details:

Information for bank transfer will be available after December 15, 2008

### Hotel accommodation and visa support:

Please send your order for the hotel reservation **at the latest by September 30, 2009** to Oasis Company (the official agent of the Congress Organizing Committee):

**Attn. Mrs. Darya Minina**

Phones: +7 (812) 719-6611, +7 (812) 272-5326, +7 (812) 272-4420, +7 (812) 272-8022

Fax: +7 (812) 273-2872

E-mail: [daria@oasis.spb.ru](mailto:daria@oasis.spb.ru)

<http://www.oasis.spb.ru>

Key word: SOMED Probiotics Congress

### Exhibition:

A professional exhibition will be held concurrently with the Congress:

I. Diagnostic Test Systems, Instruments and Equipments for Isolation, Identification and Investigations of Host Indigenous Microflora and Its metabolic interactions with the host.

II. Probiotics, Prebiotics, Synbiotics, Metabiotics, Functional Foods & Medicines for Prophylaxis and Treatment of Opportunistic Infections and Microbial Ecology Disorders in Humans and Animals.

Please submit your request for participation in the exhibition by e-mail: [microbiota@peterlink.ru](mailto:microbiota@peterlink.ru).

### Congress Important Dates:

Abstract submission deadline: **May 29, 2009**  
Abstract acceptance notification: **September 1, 2009**  
Early registration's deadline: **June 30, 2009**  
Registration's deadline: **September 30, 2009**  
Hotel accommodation's deadline: **September 30, 2009**

### XXXII SOMED Congress Addresses:

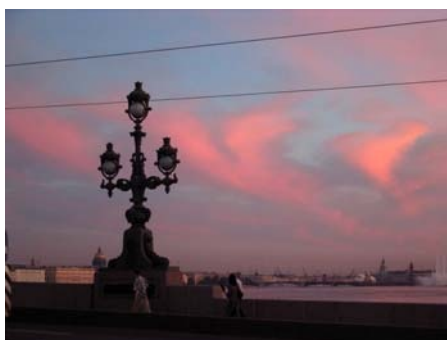
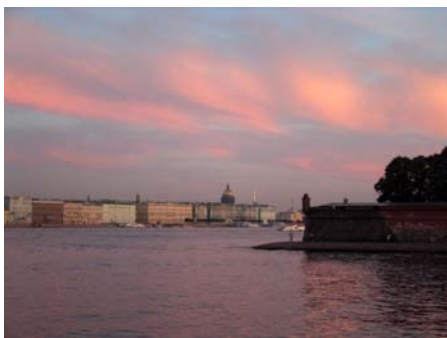
Prof. Evgeniy Tkachenko – International XXXII SOMED Congress President  
Phone/Fax: +7 (812) 543-9538, +7 (812) 232-9063  
E-mail: [tkachenkoe@mail.ru](mailto:tkachenkoe@mail.ru)

Prof. Gianfranco Donelli – SOMED President, Congress Co-President  
Phone: +39 06 499902228, Fax: +39 06 49387141  
E-mail: [gianfranco.donelli@iss.it](mailto:gianfranco.donelli@iss.it)

Prof. Boris Shenderov – Chairman of Congress Scientific Committee, Congress Co-President  
E-mail: [shenderof@yandex.ru](mailto:shenderof@yandex.ru)

Dr. Stanislav Sitkin – Congress Secretary General  
E-mail: [microbiota@peterlink.ru](mailto:microbiota@peterlink.ru), [sitkins@mail.ru](mailto:sitkins@mail.ru)

Information in Russian will be available after January 10, 2009 on [www.microecology.ru](http://www.microecology.ru) and [www.microbiota.ru](http://www.microbiota.ru).



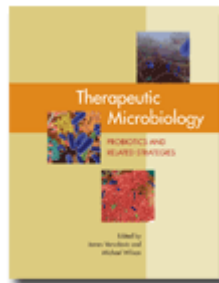
For further updates visit: [www.microecology.net](http://www.microecology.net)

## MEDIA NEWS

### Therapeutic Microbiology: Probiotics and Related Strategies

**Author:** Editors: James Versalovic, Baylor College of Medicine and Texas Children's Hospital; Michael Wilson, University College London

**Book ISBN or Item Number:** 978-1-55581-403-8



#### About the Book

The indigenous microbiota of humans and other animals, far from being passive bystanders, participate in a wide range of complex interactions with their host. The burgeoning field of therapeutic microbiology concerns itself with the manipulation of the indigenous microbiota in order to promote the health of the host. Providing a state-of-the-art overview of the field, this volume breaks new ground in explaining the breakthroughs possible with therapeutic microbiology.

The first volume of its kind in the field, *Therapeutic Microbiology* explores the potential and actual uses of the many methods for altering the microbiotas of humans and animals: probiotics, prebiotics, synbiotics, bacteriophages, and replacement therapy. It describes the biological principles underlying the manipulation of the indigenous microbiota and the biology of the effector organisms that have been utilized for this purpose. The many microbes that can potentially be used therapeutically and prophylactically are discussed at length. The book describes applications in both human and veterinary medicine, dentistry, neurology, immunology, and more.

This volume will serve as an important reference source for all those interested in this fast-moving field. Additionally, this book will be invaluable to medical, dental and veterinary practitioners with an interest in alternative approaches to the prevention and treatment of microbial diseases.

#### Key Features

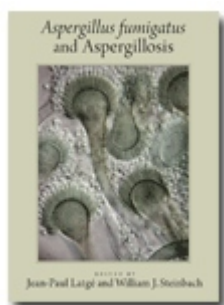
- First book devoted to the field of therapeutic microbiology
- Serves as an important reference source for clinicians and researchers in both human and veterinary medicine and in dentistry
- Contains the latest knowledge on this dramatically growing field
- Covers the biological principles underlying the manipulation of the microbiotas of humans and animals
- Goes beyond probiotics and prebiotics to address synbiotics, bacteriophages, and replacement therapy
- Contributors are all acknowledged, international experts in their fields.

#### Additional Information



## Aspergillus fumigatus and Aspergillosis

**Author:** Editors: Jean-Paul Latge, Institut Pasteur; William J. Steinbach, Duke University  
**Book ISBN or Item Number:** 978-1-55581-438-0



### About the Book

Modern medical technologies are repairing the human body in ways never imagined only a few years ago, but they are leaving an increasing population of patients who are newly susceptible to opportunistic pathogens. Invasive and chronic fungal infections have become a formidable clinical opponent, and foremost among them is *Aspergillus fumigatus*.

*Aspergillus fumigatus and Aspergillosis* assembles chapters from a large and international contingent of experts in the field to explore every major aspect of *A. fumigatus* and how it kills so many patients. This volume offers the latest insights into the fundamental biology and pathogenesis of *A. fumigatus* and how it establishes disease, as well as the newest strategies for characterizing, diagnosing, and treating its spectrum of clinical infection.

This valuable book is an instrumental resource for both scientists and clinicians tackling the current problems with Aspergillosis. It presents chapters on the species itself, including morphology and unique and specific genes, the importance of polarized growth, as well as the organism's response to environmental stress by moving from a saprophyte to a pathogen. The interface with the host immune system-paramount to disease phenotype-is detailed, as are the many faces of disease created by *A. fumigatus*. Newer diagnostic and treatment strategies are covered, including the optimal timing of antifungal therapy and the strategic choice of which agent to use.

### Key Features

The first volume specifically designed to yield a combined synopsis of both *A. fumigatus* and its diseases and therapies

Encompasses the most up-to-date knowledge to serve as a resource guide for the next decade of study on this organism and the many diseases it causes

Covers the fundamental biology of *A. fumigatus* including specific features in genetics, biochemistry, and cell biology that can explain the virulence of this opportunistic pathogen

Discusses the wide range of clinical infection, plus the latest diagnostic and treatment strategies, in specific patient populations

Designed to unify the world's *A. fumigatus* scientists and clinical experts and collaborate toward the common goal of defeating this formidable clinical killer.

### Additional Information

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**Information on future meetings, courses, books and other publications as well as short commentaries on hot topics in the field of microbial ecology will be welcomed in order to be included in the next issues of the SOMED Newsletter.**

**Contributions can be e-mailed to the SOMED President ([gianfranco.donelli@iss.it](mailto:gianfranco.donelli@iss.it)) and/or to the SOMED Secretary ([skamiya@kyorin-u.ac.jp](mailto:skamiya@kyorin-u.ac.jp)).**

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