ISHAM 2009 Tokyo

PROGRAM

Presidential Addresses

May 25 (Monday) 17:00-17:30 **Room A (Eminence Hall)**

PR-01 Congratulatory Remarks on the Opening of the Congress and JSMM Award Ceremony

Hideoki Ogawa
ISHAM2009 in Tokyo Congress President / CEO & Professor Emeritus, Juntendo University, Tokyo, Japan

Chairperson: Yoshinori Nozawa, *Gifu International Institute of Biotechnology, Japan*

May 25 (Monday) 17:30-18:00 **Room A (Eminence Hall)**

PR-02 Dangerous black fungi are all around us: How come we are still alive?

Sybren de Hoog
ISHAM President, Centraalbureau voor Schimmelcultures Fungal Biodiversity Centre, The Netherlands

Chairperson: Hideoki Ogawa, *ISHAM2009 in Tokyo Congress President / CEO & Professor Emeritus, Juntendo University, Tokyo, Japan*

Opening Keynote Lectures

May 25 (Monday) 18:00-18:30 **Room A (Eminence Hall)**

OK-01 Intrinsic heteroresistance of *Cryptococcus neoformans* to azoles: A stress survival mechanism of the fungus

Kyung J. Kwon-Chung
Molecular Microbiology Section, Laboratory of Clinical Infectious Diseases, NIAID, NIH, Bethesda, MD, USA

Chairperson: Hideyo Yamaguchi, *Institute of Medical Mycology, Teikyo Universiity, Japan*

May 25 (Monday) 18:30-19:00 **Room A (Eminence Hall)**

OK-02 Dancing with fungus

David Ellis
Mycology Unit, SA Pathology at the Women's and Children's Hospital, Adelaide, Australia

Chairperson: Yoshinori Nozawa, *Gifu International Institute of Biotechnology, Japan*

Keynote Lectures

May 26 (Tuesday) 15:00-16:00 **Room A (Eminence Hall)**

KL-01 The *Candida* cell wall: Biosynthesis, immune recognition and adaptation to stress

Neil A.R. Gow
School of Medical Sciences, Institute of Medical Sciences, University of Aberdeen, UK

Chairperson: Yasuo Kitajima, *Department of Dermatology, Gifu University School of Medicine, Japan*

May 27 (Wednesday) 14:20-15:20 **Room A (Eminence Hall)**

KL-02 The roles of C-type lectins in the host defense against fungal infection

Yoichiro Iwakura
Center for Experimental Medicine, Institute of Medical Science, University of Tokyo, Japan

Chairperson: Naohito Ohno, *Tokyo University of Pharmacy and Life Sciences, Japan*

May 28 (Thursday) 15:00-16:00 **Room A (Eminence Hall)**

KL-03 Immunologic risks for fungal infections: Translating knowledge into targeted prevention strategies

Kieren A. Marr
Johns Hopkins University School of Medicine, Baltimore, MD, USA

Chairperson: Shigeru Kohno, *2nd Department of Internal Medicine, Nagasaki University School of Medicine, Japan*

Special Lecture

May 28 (Thursday) 10:10-10:45 **Room A (Eminence Hall)**

SL-01 A gift from nature: The birth of statins

Akira Endo
Biopharm Research Laboratories. Inc., Tokyo, Japan

Chairperson: Hideoki Ogawa, *ISHAM2009 in Tokyo Congress President / CEO & Professor Emeritus, Juntendo University, Tokyo, Japan*

JSMM Award Lecture

May 27 (Wednesday) 17:10-18:00 **Room B (Nishiki)**

AL-01 Functional hyper-expression of fungal drug efflux pumps in *Saccharomyces cerevisiae*

Masakazu Niimi
Former Chief, Mycology Laboratory, Department of Bioactive Molecules, National Institute of Infectious Diseases, Japan

Chairperson: Shinichi Watanabe, *Chairman of Dermatology, Teikyo University School of Medicine; Professor of Teikyo University Institute of Medical Mycology, Japan*

Sponsored Seminars

May 26 (Tuesday) 12:25-13:25 **Room A (Eminence Hall)**

SS-01 Current status of echinocandin for invasive fungal infections

Chairpersons: David Warnock, *Director, Division of Foodborne, Bacterial and Mycotic Diseases, National Center for Zoonotic, Vector-Borne and Enteric Diseases, Centers for Disease Control and Prevention, USA*
Yuzuru Mikami, *Medical Mycology Research Center (MMRC), Chiba University, Japan*

SS-01-1 Clinical implication of PK-PD (pharmacokinetics-pharmacodynamics) on antifungal agents

Hiroshige Mikamo
Department of Infection Control and Prevention, Aichi Medical University, Japan

SS-01-2 Current status of echinocandin susceptibility and resistance

David S. Perlin
Director and Professor, Public Health Research Institute/UMDNJ, USA

Sponsored by Astellas Pharma Inc.

May 26 (Tuesday) 12:25-13:25 **Room B (Nishiki)**

SS-02 Recent advances in diagnosis and treatment of tinea pedis and tinea unguium

Chairpersons: Shigeru Abe, *Institute of Medical Mycology, Teikyo University, Japan*
Unandar Budimulja, *Faculty of Medicine, University of Indonesia, Indonesia*

SS-02-1 Recent strategy of control and management of tinea pedis in Japan

Shinichi Watanabe
Chairman of Dermatology, Teikyo University School of Medicine; Professor of Teikyo University Institute of Medical Mycology, Japan

SS-02-2 Fungal identification in onychomycosis

Michel Monod
Olympia Bontems, Philippe Hauser. Centre Hospitalier Universitaire Vaudois (CHUV), Switzerland

Sponsored by Torii Pharmaceutical Co., Ltd.

May 27 (Wednesday) 12:25-13:25 **Room A (Eminence Hall)**

SS-03 Advances in molecular biological diagnosis of mycoses

Chairpersons: Hideoki Ogawa, *ISHAM2009 in Tokyo Congress President / CEO & Professor Emeritus, Juntendo University, Tokyo, Japan*
B.M. Hemashettar, *Department of Microbiology, Basaveshwar Medical College and Hospital, India*

SS-03-1 Application of molecular diagnosis of cutaneous fungal infections

Takashi Mochizuki
Department of Dermatology, Kanazawa Medical University, Uchinada, Ishikawa, Japan

SS-03-2 Advances in molecular biological diagnosis of *Candida* infection

Ruoyu Li
Department of Dermatology, Peking University First Hospital, Research Center for Medical Mycology, Peking University, China

Sponsored by Galderma Japan

May 27 (Wednesday) 12:25-13:25 **Room B (Nishiki)**

SS-04 Diagnosis, epidemiology and treatment of systemic fungal infections

Chairpersons: John Bennett, *Chief, Clinical Mycology Section, LCID, National Institute of Allergy and Infectious Diseases, USA*
Hideyo Yamaguchi, *Institute of Medical Mycology, Teikyo Universiity, Japan*

SS-04-1 The epidemiology of invasive fungal infections in transplant recipients: Overview of TRANSNET and OTIP

Tom M. Chiller
Mycotic Diseases Branch, CDC, USA

SS-04-2 Presentation of the resomyc registry for prospective data collection and analysis of the epidemiology, therapy, and outcomes of invasive fungal infections (IFIs)

Françoise Dromer
Institut Pasteur, Molecular Mycology Unit, Ntl Reference Center for Mycoses and Antifungals, Paris, France

Sponsored by Pfizer Japan Inc.

May 28 (Thursday) 12:25-13:25 **Room A (Eminence Hall)**

SS-05 Recent advances in aspergillosis

Chairpersons: Michael Rinaldi, *Fungus Testing Laboratory, Department of Pathology, University of Texas Health Science Center at San Antonio, USA*
Katsuhiko Kamei, *Medical Mycology Research Center (MMRC), Chiba University, Japan*

SS-05-1 Animal models in preclinical trials of aspergillosis

Karl V. Clemons
California Institute for Medical Research, and Department of Medicine, Division of Infectious Diseases, Santa Clara Valley Medical Center, San Jose, CA; Department of Medicine, Division of Infectious Diseases and Geographic Medicine, Stanford University, Stanford, CA, USA

SS-05-2 Filamentous fungal infections and the role of amphotericin B

David W. Denning
Medicine and Medical Mycology, University of Manchester, Manchester, UK

Sponsored by Dainippon Sumitomo Pharma Co., Ltd.

May 28 (Thursday) 12:25-13:25 **Room B (Nishiki)**

SS-06 *Malassezia* yeasts and related dermatoses

Chairpersons: Akemi Nishikawa, *Department of Immunobiology, Meiji Pharmaceutical University, Japan*
Jacques Guillot, *UMR (Unités Mixtes de Recherche) BIPAR (Biologie moléculaire, immunologie parasitaires et fongiques), National Veterinary College of Alfort, France*

SS-06-1 Luliconazole, a new imidazole, and its effect on *Malassezia*

Ryoji Tsuboi
Department of Dermatology, Tokyo Medical University, Tokyo, Japan

SS-06-2 Dermatosis and *Malassezia*

Jan N. Faergemann
Department of Dermatology, Sahlgrenska University Hospital, Gothenburg, Sweden

Sponsored by POLA PHARMA INC. & NIHON NOHYAKU CO., LTD.

May 26 (Tuesday) 18:00-19:00 **Room A (Eminence Hall)**

SS-07 Tinea capitis: Recent advances in diagnosis and treatment

Chairpersons: Yasuo Kitajima, *Department of Dermatology, Gifu University Graduate School of Medicine, Japan*
Byung In Ro, *Department of Dermatology, Myongji Hospital, Kwandong University College of Medicine, Korea*

SS-07-1 Treatment of tinea capitis in 2009

Boni E. Elewski
Department of Dermatology, University of Alabama School of Medicine at Birmingham, Alabama, USA

SS-07-2 Tinea capitis: Thailand experience

Rataporn Ungpakorn
Institute of Dermatology, Bangkok, Thailand

Sponsored by Novartis Pharma K.K.

May 27 (Wednesday) 18:00-19:00 **Room B (Nishiki)**

SS-08 Recent advances in yeast research

Chairpersons: Bertrand Dupont, *Hopital Necker, Maladies Infectieuses Et Tropicales, France*
Masakazu Niimi, *Former Chief, Mycology Laboratory, Department of Bioactive Molecules, National Institute of Infectious Diseases, Japan*

SS-08-1 Molecular epidemiology and pathogenesis of *Candida* infections

Frank C. Odds
Medical Mycology at the University of Aberdeen, Scotland, UK

SS-08-2 *Candida albicans* genomes and genomics

Judith Berman
Depts of Genetics, Cell Biology and Development, University of Minnesota; Dept. of Microbiology,University of Minnesota, USA

Sponsored by Janssen Pharmaceutical K.K.

Symposia

May 26 (Tuesday) 8:30-10:30 **Room A (Eminence Hall)**

CB-01 Mycoses in South America: *Paracoccidioides brasiliensis* and *P. lutzii*, an old pal and a newcomer

Chairpersons: Gioconda San-Blas, *Venezuelan Institute for Scientific Research, Center of Microbiology and Cell Biology, Venezuela*
Eva Burger, *Department of Immunology, University of Sao Paulo, Brazil*
Ayako Sano, *Medical Mycology Research Center, Chiba University, Chiba, Japan*

CB-01-1 An atypical isolate of *Paracoccidioides brasiliensis* found in our culture collection

Ayako Sano
Medical Mycology Research Center, Chiba University, Chiba, Japan

CB-01-2 The paracoccidioidomycotic granuloma

Eva Burger
Department of Immunology, University of Sao Paulo, Brazil

CB-01-3 Cell wall α-1,3-glucan synthesis and regulation in *Paracoccidioides brasiliensis*

Gustavo A Nino-Vega
Centro de Microbiologia, Instituto Venezolano de Investigaciones Científicas, Venezuela

CB-01-4 Speciation, recombination and molecular evidence of sex in the *Paracoccidioides* genus

Maria Sueli S Felipe
Dept. of Cell Biology, University of Brasilia, Brazil

May 26 (Tuesday) 10:45-12:15 **Room A (Eminence Hall)**

CL-02 Fungal infections in non-neutropenic patients

Chairpersons: John E Bennett, *Laboratory of Clinical Infectious Disease, National Institutes of Health, USA*
Yoshitsugu Miyazaki, *Department of Bioactive Molecules, National Institute of Infectious Diseases, Japan*
Yoshio Takesue, *Department of Infection Control and Prevention, Hyogo College of Medicine, Japan*

CL-02-1 Invasive aspergillosis in the intensive care unit

Katrien Lagrou
Medical Diagnostic Sciences, UZ Leuven, Belgium

CL-02-2 Chronic pulmonary aspergillosis

Koichi Izumikawa
Department of Molecular Microbiology and Immunology, Nagasaki University Graduate School of Biomedical Sciences, Japan

CL-02-3 Antigen detection for diagnosis of the endemic mycoses in the immunocompromised host

Lawrence J Wheat
Director, MiraVista Diagnostics and MiraBella Technologies, Indianapolis, Indiana, USA

CL-02-4 Current status on invasive candidiasis in surgical fields

Hiroshige Mikamo
Department of Infection Control and Prevention, Aichi Medical University, Japan

CL-02-5 **Individual differences in voriconazole N- and C-Oxidation in vivo independent on cytochrome P450 2C19 genotypes**

John E Bennett
Laboratory of Clinical Infectious Disease, National Institutes of Health, USA

May 26 (Tuesday) 16:15-17:45 **Room A (Eminence Hall)**

CL-03 Endemic mycoses (*Coccidioides* and others)

Chairpersons: Kathrin Tintelnot, *Infectious Diseases, Division of Mycology, Robert Koch-Institut, Germany*
Maria Luiza Moretti, *Infectious Diseases Division, Faculty of Medical Sciences, University of Campinas, UNICAMP, Sao Paulo, Brazil*

CL-03-1 **Paracoccidioidomycosis: A permanent challenge for clinicians and epidemiologists**

Flavio Queiroz Telles
Public Health, Hospital de Clinicas, Federal University of Parana, Brazil

CL-03-2 ***Cryptococcus gattii* infections in adult and children populations (emphasis on clinical features, epidemiology and outcome)**

Maria Luiza Moretti
Infectious Diseases Division, Faculty of Medical Sciences, University of Campinas, UNICAMP, Sao Paulo, Brazil

CL-03-3 **Development and evaluation of an assay to detect *Histoplasma capsulatum* antigenuria: A diagnostic test needed in resource-limited settings**

Christina M. Scheel
Mycotic Diseases Branch, Centers for Disease Control and Prevention, USA

CL-03-4 **A fatal case of blastomycotic meningoencephalitis with neutrophilic pleocytosis in an immunocompetent patient**

Tze Shien Lo
Infectious Disease, VA Medical Center, North Dakota, USA

CL-03-5 **Diagnosis of endemic systemic mycoses in non-endemic areas - a challenge**

Kathrin Tintelnot
Infectious Diseases, Division of Mycology, Robert Koch-Institut, Germany

May 26 (Tuesday) 9:00-10:30 **Room B (Nishiki)**

CB-02 Cell wall and cell surface

Chairpersons: Jean-Paul Latge, *Unite des Aspergillus, Institut Pasteur, France*
Nobuyuki Shibata, *Second Department of Hygienic Chemistry, Tohoku Pharmaceutical University, Japan*
Richard A Calderone, *Microbiology & Immunology, Georgetown University Medical Center, USA*

CB-02-1 **The *Candida albicans* Chk1p histidine kinase and Cek1 MAPK are required for mannan biosynthesis**

Richard A Calderone
Microbiology & Immunology, Georgetown University Medical Center, USA

CB-02-2 **Biogenesis and expression of *Candida albicans* beta mannose adhesins**

Daniel Poulain
Department of Mycology Inserm U799, France

CB-02-3 **Calcineurin regulation of the *Aspergillus fumigatus* cell wall and hyphal growth**

William J. Steinbach
Division of Pediatric Infectious Diseases, Duke University Medical Center, USA

CB-02-4 **Biochemical and genetic probing of glucan synthase**

David S Perlin
Public Health Research Institute/New Jersey Medical School-UMDNJ, USA

CB-02-5 **Beta 1,6 glucan synthesis**

Jean-Paul Latge
Unite des Aspergillus, Institut Pasteur, France

May 26 (Tuesday) 10:45-12:15 **Room B (Nishiki)**

CB-03 Biofilm and quorum sensing

Chairpersons: Christophe d'Enfert, *Unite Biologie et Pathogenicite Fongiques, Institut Pasteur, France*
Tamaki Cho, *Functional Bioscience, Fukuoka Dental College, Japan*

CB-03-1 **Mechanisms involved in the resistance of *Candida albicans* biofilms to antifungals**

Christophe d'Enfert
Unite Biologie et Pathogenicite Fongiques, Institut Pasteur, France

CB-03-2 **Switching, mating, biofilm formation and pathogenesis in *Candida albicans***

David R Soll
Department of Biology, The University of Iowa, USA

CB-03-3 **The target of regulation of morphogenesis in *Candida albicans* by farnesol**

Tamaki Cho
Functional Bioscience, Fukuoka Dental College, Japan

CB-03-4 **Assessing *Candida* biofilm formation in a new in vivo non vascular model**

Helene Tournu
Department of Molecular Microbiology, VIB, KU Leuven; KU Leuven, Institute of Botany and Microbiology, Belgium

CB-03-5 **Role of *Candida albicans* surface antigen in adherence in *in vitro* biofilm model**

Helena Bujdakova
Microbiology and Virology, Comenius University, Faculty of Natural Sciences, Slovak Republic

May 26 (Tuesday) 16:15-17:45 **Room B (Nishiki)**

CL-04 *Fusarium* and other hyalohyphomycosis

Chairpersons: Arunaloke Chakrabarti, *Division of Mycology, Department of Medical Microbiology and National Centre of Advanced Research in Medical Mycology, Postgraduate Institute of Medical Education & Research, India*
Roxana G. Vitale, *The National Council of Scientific and Technological Research (CONICET) and JM Ramos Mejia Hospital. Parasitology Unit. Mycology Section, Argentina*

CL-04-1 **Diagnosis and treatment of *Fusarium* infections**

Randall Hayden
Pathology, St. Jude Children's Research Hospital, USA

CL-04-2 **Recent developments in the epidemiology of infections caused by *Scedosporium* species**

Thomas J Walsh
National Cancer Institute, Bethesda, USA

CL-04-3 **Host defenses related with hyalohyphomycoses**

Emmanuel Roilides
Aristotle University School of Medicine, Thessaloniki, Greece

CL-04-4 **Antifungal Susceptibility Trends for *Fusarium* spp. and Other Agents of Hyalohyphomycosis**

A.W. Fothergill
University of Texas Health Science Center, USA

May 26 (Tuesday) 16:15-17:45 **Room C (Ohgi)**

IM-01 TLRs and related molecules

Chairpersons: Martin Schaller, *Department of Dermatology, Eberhard Karls University, Tubingen, Germany*
Kazuyoshi Kawakami, *Tohoku University Graduate School of Medicine, Japan*

IM-01-1 **Recognition of fungal DNA by TLR9**

Akiko Miyazato
Department of Infectious Diseases and Infection Control, Saitama International Medical Center, Saitama Medical University, Japan

IM-01-2 **Cross-talk between PARs and TLRs in fungal infections**

Luigina Romani
University of Perugia, Italy

IM-01-3 **Characterization of PMN chemotactic factors involved in susceptibility to vaginal candidiasis**

Junko Yano
Department of Microbiology, Immunology and Parasitology, Louisiana State University Health Sciences Center, USA

IM-01-4 **Multiple roles of *Candida albicans*-derived cell wall components in human keratinocytes - Activation of immune response and induction of apoptosis**

Jeanette Wagener
Dermatology, University of Tuebingen, Germany

IM-01-5 **TNF establish antifungal protection by epithelial TLR4 upregulation**

Martin Schaller
Department of Dermatology, Eberhard Karls University, Tuebingen, Germany

May 26 (Tuesday) 9:00-10:30 **Room D (Hana A)**

CL-01 Allergic fungal infections

Chairpersons: David W Denning, *School of Translational Medicine, University of Manchester, UK*
Kazuo Akiyama, *NHO Sagamihara National Hospital, Japan*

CL-01-1 **Do fungi cause asthma?**

Shyamali Dharmage
Centre for Molecular, Environmental, Genetic & Analytic Epidemiology, University of Melbourne, School of Population Health, Faculty of Medicine, Dentistry & Health Sciences, Australia

CL-01-2 **T cell response to *Candida albicans* acid protease is associated with the isolated late asthmatic response**

Akio Mori
Department of Advanced Medicine, National Hospital Organization, Sagamihara National Hospital, Japan

CL-01-3 **Are fungi responsible for chronic sinusitis?**

Arunaloke Chakrabarti
Medical Microbiology, Postgraduate Institute of Medical Education & Research, Chandigarh, India

CL-01-4 **What is the role of antifungals in allergic fungal disease**

David W Denning
School of Translational Medicine, University of Manchester, UK

May 26 (Tuesday) 10:45-12:15 **Room D (Hana A)**

VM-01 Veterinary mycoses: Emerging agents with endemic proportions

Chairpersons: Daniel Elad, *Bacteriology and Mycology, Kimron Veterinary Institute, Israel*
Jacques Guillot, *UMR ENVA, AFSSA, Biologie Moleculaire et Immunologie Parasitaires et Fongiques, Ecole Nationale Veterinaire d'Alfort, France*
Atsuhiko Hasegawa, *The University of Tokyo, Japan*

VM-01-1 Phenotypic and genotypic comparison of an equine and four human clinical isolates of *Madurella mycetomatis*

Daniel Elad
Bacteriology and Mycology, Kimron Veterinary Institute, Israel

VM-01-2 Aspergillosis in breeding turkeys: From experimental infections to field investigations

Jacques Guillot
UMR ENVA, AFSSA, Biologie Moleculaire et Immunologie Parasitaires et Fongiques, Ecole Nationale Veterinaire d'Alfort, France

VM-01-3 Aspergillosis in wild and captive birds in Japan

Tokuma Yanai
Gifu University, Japan

VM-01-4 Aspergillosis of the dog and cat

Rui Kano
Department of Pathobiology, Nihon University School of Veterinary Medicine, Japan

May 26 (Tuesday) 16:15-17:45 **Room D (Hana A)**

CB-04 Molecular genetics of fungi

Chairpersons: Hironobu Nakayama, *Dept. of Chemistry & Biochemistry, Suzuka National College of Technology, Japan*
Michael C Lorenz, *Microbiology and Molecular Genetics, University of Texas Health Science Center, USA*

CB-04-1 Genetic studies on sterol and mannoprotein biosynthesis in *Candida glabrata*

Hironobu Nakayama
Dept. of Chemistry & Biochemistry, Suzuka National College of Technology, Japan

CB-04-2 Development of genetic manipulation systems in dermatophytes

Tsuyoshi Yamada
Teikyo University Institute of Medical Mycology, Japan

CB-04-3 Stress-signalling in *Candida albicans*

Janet Quinn
Institute for Cell and Molecular Biosciences, Newcastle University, UK

CB-04-4 Novel functions of the fungal biosurfactant protein in degradation of biopolymers: *Aspergillus oryzae* hydrophobin RolA laterally moves on hydrophobic surfaces and recruits polyesterases

Keietsu Abe
New Industry Creation Hatchery Center, Tohoku University, Japan

CB-04-5 Transcriptional control of carbon metabolism in *Candida albicans*

Michael C Lorenz
Microbiology and Molecular Genetics, University of Texas Health Science Center, USA

May 26 (Tuesday) 9:00-10:30 **Room E (Hana B)**

PT-01 A standard for *Aspergillus* PCR as a screening test

Chairpersons: Peter Donnelly, *Department of Haematology, Radboud University Nijmegen Medical Centre & Nijmegen University Centre for Infectious Diseases, Netherlands*
Shin-ichiro Mori, *Clinical Microbiology Laboratory, The National Cancer Center Hospital, Japan*

PT-01-1 The history of *Aspergillus* PCR

P. Lewis White
Molecular Mycology, NPHS Microbiology Cardiff, UK

PT-01-2 A proposed standard for *Aspergillus* PCR

Juergen Loeffler
University of Wuerzburg, Wuerzburg, Germany

PT-01-3 A standard for *Aspergillus* PCR - how to validate the standard

Rosemary A Barnes
Medical Microbiology, School of Medicine, Cardiff University, UK

May 26 (Tuesday) 10:45-12:15 **Room E (Hana B)**

PT-02 Rapidly changing mycology: Perspectives on morphological and molecular identification of emerging and classic pathogens

Chairpersons: Aristea Velegraki, *Medical School, National and Kapodistrian University of Athens, Greece*
Koji Yokoyama, *Medical Mycology Research Center (MMRC), Chiba University, Japan*

PT-02-1 Strain identification of *Penicillium marneffei* by AFLP

Li Wang
Department of Pathogenobiology, Norman Bethune Medical School, Jilin University, China

PT-02-2 Evolution of Cyt*b*, rDNA & morphology of *Aspergillus* section *Nigri*

Koji Yokoyama
Medical Mycology Research Center (MMRC), Chiba University, Japan

PT-02-3 Identification challenges for selected mould pathogens

Deanna A Sutton
Pathology, University of Texas Health Science Center, USA

PT-02-4 Uncommon and emerging fungal pathogens: Clinical manifestations and therapeutic options

Thomas J Walsh
National Cancer Institute, Bethesda, USA

May 26 (Tuesday) 16:15-17:45 **Room E (Hana B)**

CL-05 Management and decision making in patient care

Chairpersons: Johan Maertens, *I.G. Hematologie, University Hospital Gasthuisberg, Leuven, Belgium*
Bertrand F. Dupont, *Hopital Necker, Maladies Infectieuses et Tropicales, France*
Yoshihito Niki, *Department of Clinical Infectious Diseases, School of Medicine, Showa University, Japan*

CL-05-1 Should we monitor plasma levels of antifungal agents?

David Andes
Department of Medicine and Microbiology, University of Wisconsin, USA

CL-05-2 **Impact of susceptibility testing in antifungal therapy**

Juan Luis Rodriguez Tudela
Servicio de Micología, Centro Nacional de Microbiología, Instituto de Salud Carlos III, Spain

CL-05-3 **Interpretation of serodiagnostic tests in chronic pulmonary aspergillosis**

Koichiro Yoshida
Department of Clinical Infectious Diseases, School of Medicine, Showa University, Japan

CL-05-4 **(1→3)-β-D-Glucan assay for the diagnosis of invasive fungal infections: Review of the literature**

Minoru Yoshida
Fourth Department of Internal Medicine, Teikyo University School of Medicine, Japan

May 27 (Wednesday) 9:00-10:30 **Room A (Eminence Hall)**

CL-06 Development and practice of new generation antifungal agents

Chairpersons: Peter G. Pappas, *Center for AIDS Research, University of Alabama at Birmingham, USA*
Karl V. Clemons, *Stanford University, California Institute for Medical Research, and Santa Clara Valley Medical Center, USA*
Kazuo Tamura, *The Department of Medicine, Division of Medical Oncology, Infectious Disease, and Endocrinology, School of Medicine, Fukuoka University, Japan*

CL-06-1 **Rat models of invasive pulmonary aspergillosis**

Peter A Warn
School of Translational Medicine, The University of Manchester, UK

CL-06-2 **Clinical trial evaluation of new antifungals**

Peter G. Pappas
Center for AIDS Research, University of Alabama at Birmingham, USA

CL-06-3 **Efficacy and safety of micafungin for the treatment of invasive fungal infections in patients with hematological malignancies**

Minoru Yoshida
Fourth Department of Internal Medicine, Teikyo University School of Medicine, Japan

May 27 (Wednesday) 10:45-12:15 **Room A (Eminence Hall)**

CL-07 Fungal infections in hematological patients and transplantation recipients

Chairpersons: Yoshinobu Kanda, *Division of Hematology, Saitama Medical Center, Jichi Medical University, Japan*
Kieren A. Marr, *Director of Transplant and Oncology Infectious Diseases Program, The Johns Hopkins University School of Medicine, USA*

CL-07-1 **Epidemiology and outcomes of invasive aspergillosis in hematopoietic stem cell transplant recipients: Impact of changing transplant practice**

Takahiro Fukuda
National Cancer Center Hospital, Tokyo, Japan

CL-07-2 **Fungal infections in patients with hematological malignancies: Advances in diagnosis and prevention**

Yoshinobu Kanda
Division of Hematology, Saitama Medical Center, Jichi Medical University, Japan

CL-07-3 **Fungal infections in patients with hematological malignancies: Current treatment strategies**

Johan Maertens
I.G. Hematologie, University Hospital Gasthuisberg, Leuven, Belgium

May 27 (Wednesday) 9:00-10:30 **Room B (Nishiki)**

PT-03 Genomics and disease management in *Malassezia*

Chairpersons: Aristea Velegraki, *Medical School, National and Kapodistrian University of Athens, Greece*
Annika E Scheynius, *Department of Medicine Solna, Karolinska Institutet, Sweden*
Takashi Sugita, *Department of Microbiology, Meiji Pharmaceutical University, Japan*

Opening remarks

Takashi Sugita
Department of Microbiology, Meiji Pharmaceutical University, Japan

PT-03-1 **Taxonomy and identification of *Malassezia***

H Ruth Ashbee
Department of Microbiology, Mycology Reference Centre, Leeds General Infirmary, UK

PT-03-2 ***Malassezia* pachydermatis on the skin of dogs: Distribution and population structure in the genomic era**

Jacques Guillot
Department of Parasitology-Mycology, Ecole Nationale Veterinaire d'Alfort, France

PT-03-3 ***Malassezia* and atopic eczema**

Annika E Scheynius
Department of Medicine Solna, Karolinska Institutet, Sweden

PT-03-4 **The *Malassezia* yeasts and diseases in humans**

Jan Faergemann
Department of Dermatology, Sahlgrenska University Hospital, Sweden

Closing remarks

Aristea Velegraki
Medical School, National and Kapodistrian University of Athens, Greece

May 27 (Wednesday) 10:45-12:15 **Room B (Nishiki)**

CL-08 Management of dermatomycoses

Chairpersons: Boni E Elewski, *Department of Dermatology, The University of Alabama at Birmingham, USA*
Ryoji Tsuboi, *Department of Dermatology, Tokyo Medical University, Japan*

CL-08-1 **Epidemiology, diagnosis and management of *T. tonsurans* infection in Japan**

Masataro Hiruma
Department of Dermatology and Allergology, Juntendo University Nerima Hospital, Japan

CL-08-2 **Onychomycosis 2009**

Boni E Elewski
Department of Dermatology, The University of Alabama at Birmingham, USA

CL-08-3 **Nondermatophyte infections of the skin and nails: Implications for therapy**

Rataporn Ungpakorn
Bumrungrad International Hospital, Thailand

CL-08-4 Candidiasis

Peter G. Pappas
Center for AIDS Research, University of Alabama at Birmingham, USA

May 27 (Wednesday) 9:00-10:30 **Room C (Ohgi)**

EP-01 Mycoses in Africa

Chairpersons: Hester F Vismer, *PROMEC Unit, Medical Research Council, South Africa*
Abdalla O.A Ahmed, *Mycetoma Research Center, University of Khartoum, Sudan*

EP-01-1 A contemporary overview of emerging and re-emerging fungal pathogens

Hester F Vismer
PROMEC Unit, Medical Research Council, South Africa

EP-01-2 Eumycetoma in Africa

Abdalla O.A Ahmed
Mycetoma Research Center, University of Khartoum, Sudan

EP-01-3 Cryptococcosis in Sub-Saharan Africa

Nelesh Govender
Mycology Reference Unit, National Institute for Communicable Diseases, South Africa

EP-01-4 Keratomycosis in Egypt

Ahmad M. Moharram
Department of Botany (Assiut University Mycological Centre), Faculty of Science, Assiut University, Egypt

May 27 (Wednesday) 10:45-12:15 **Room C (Ohgi)**

CB-05 Comparative genomics & evolution

Chairpersons: Masayuki Machida, *Research and Innovation Promotion Office, National Institute of Advanced Industrial Science and Technology (AIST), Japan*
Jan Schmid, *Institute of Molecular BioSciences, College of Sciences, Massey University, New Zealand*

Opening remarks

Jan Schmid
Institute of Molecular BioSciences, College of Sciences, Massey University, New Zealand

CB-05-1 Comparison between the closely related species *Candida albicans* and *Candida dubliniensis*

David C Coleman
Microbiology Research Unit, Division of Oral Biosciences, Dublin Dental School & Hospital, University of Dublin, Trinity College Dublin, Ireland

CB-05-2 The role of genetic code ambiguity in *Candida albicans* and its impact on proteome diversity

Ana C Gomes
Genomics Unit, Biocant / University of Aveiro, Portugal

CB-05-3 *Aspergillus fumigatus* gene expression in experimental murine lung infections

William C. Nierman
Infectious Diseases, J. Craig Vengter Institute, USA

Closing remarks

Masayuki Machida
Research and Innovation Promotion Office, National Institute of Advanced Industrial Science and Technology (AIST), Japan

May 27 (Wednesday) 16:15-17:45 **Room C (Ohgi)**

CB-06 Morphogenesis & cell cycle

Chairpersons: David R Soll, *Department of Biology, The University of Iowa, USA*
Susumu Kawamoto, *Medical Mycology Research Center (MMRC), Chiba University, Japan*

CB-06-1 **Understanding cell cycle control in the pathogenic yeast *Cryptococcus neoformans***

Eric V Virtudazo
Division of Ultrastructure and Function Department of Molecular Function, Chiba University Medical Mycology Research Center, Japan

CB-06-2 **The regulation of white-opaque switching and its role in the mating process**

David R Soll
Department of Biology, The University of Iowa, USA

CB-06-3 **Biogenesis and germination of *Cryptococcus neoformans* spores**

Christina M Hull
Biomolecular Chemistry/Medical Microbiology & Immunology, University of Wisconsin, Madison, USA

CB-06-4 **Cyclin/CDKs and hyphal morphogenesis in *Candida albicans***

Yue Wang
Genes and Development Division, Institute of Molecular and Cell Biology, Singapore

May 27 (Wednesday) 9:00-10:30 **Room D (Hana A)**

IM-02 Immune deficiency, transplantation and autoimmunity

Chairpersons: Emmanuel Roilides, *Aristotle University Medical School, Greece*
Toshihiko Watanabe, *Tohoku Pharmaceutical University, Japan*

IM-02-1 **Renal responses during experimental disseminated *Candida albicans* infection**

Donna M. Maccallum
School of Medical Sciences, Univeristy of Aberdeen, UK

IM-02-2 **The influence of β-glucan on the growth and cell wall structure of *Aspergillus***

Ken-ichi Ishibashi
Laboratory for Immunopharmacology of Microbial Products, School of Pharmacy, Tokyo University of Pharmacy and Life Sciences, Japan

IM-02-3 **Invasive aspergillosis in hematological and transplant patients: Comparisons between pediatric and adult populations**

Thomas J Walsh
National Cancer Institute, Bethesda, USA

IM-02-4 **Host susceptibility in mycetoma: The role of sex-hormone synthesis**

Wendy van de Sande
Medical Microbiology and Infectious Diseases, ErasmusMC, The Netherlands

May 27 (Wednesday) 10:45-12:15 **Room D (Hana A)**

IM-03 T cells and cellular immunity

Chairpersons: Luigina Romani, *University of Perugia, Italy*
Yoichiro Iwakura, *Center for Experimental Medicine, The Institute of Medical Science, The University of Tokyo, Japan*
Jean-Paul Latge, *Unite des Aspergillus, Institut Pasteur, France*

IM-03-1 Immunoregulation by fungi through IDO

Luigina Romani
University of Perugia, Italy

IM-03-2 Aspergillus fumigatus cell wall associated molecules and immune response in mice

Jean-Paul Latge
Unite des Aspergillus, Institut Pasteur, France

IM-03-3 IL-22 and IL-17 in anti-fungal immunity: What's new?

Teresa Zelante
Biochemical Science and Experimental Medicine, University of Perugia, Italy

IM-03-4 Clinical and experimental evidence for a relation between *Candida albicans* and Crohn's disease

Daniel Poulain
Department of Mycology, Inserm U799, France

IM-03-5 Natural killer cells exhibit direct activity against *Aspergillus fumigatus*

Thomas Lehrnbecher
Pediatric Hematology and Oncology, University of Frankfurt, Germany

May 27 (Wednesday) 16:15-17:45 **Room D (Hana A)**

IM-04 Antibody, systemic and mucosal immunity

Chairpersons: Luciano Polonelli, *Department of Pathology and Laboratory Medicine, Section of Microbiology, University of Parma, Italy*
Akemi Nishikawa, *Department of Immunobiology, Meiji Pharmaceutical University, Japan*
Carlos Pelleschi Taborda, *Microbiology, Institute of Biomedical Sciences, Departament of Microbiology, University of São Paulo, Brazil*

IM-04-1 *Malassezia* colonization and the IgE antibody response in atopic dermatitis

Yoshio Ishibashi
Department of Immunobiology, Meiji Pharmaceutical University, Japan

IM-04-2 Use of monoclonal and human domain antibodies against antigens of *Candida albicans* on passive protection against vaginal candidiasis

Flavia De Bernardis
Infectious Diseases, Istituto Superiore di Sanità, Italy

IM-04-3 Immunomodulatory effects of monoclonal antibodies to the dimorphic pathogenic fungus *Paracoccidioides brasiliensis*

Carlos Pelleschi Taborda
Microbiology, Institute of Biomedical Sciences, Departament of Microbiology, University of São Paulo, Brazil

IM-04-4 Antifungal cryptic activity of antibody peptides

Luciano Polonelli
Department of Pathology and Laboratory Medicine, Section of Microbiology, University of Parma, Italy

May 27 (Wednesday) 9:00-10:30 **Room E (Hana B)**

AF-01 Molecular basis of antifungal resistance

Chairpersons: Richard D Cannon, *Department of Oral Sciences, University of Otago, New Zealand*
David S Perlin, *Public Health Research Institute/New Jersey Medical School-UMDNJ, USA*
Masakazu Niimi, *Former Chief, Mycology Laboratory, Department of Bioactive Molecules, National Institute of Infectious Diseases, Japan*

AF-01-1 Azole resistance in *Candida* species

Richard D Cannon
Department of Oral Sciences, University of Otago, New Zealand

AF-01-2 Domain-shuffled chimeras of *Candida albicans* Cdr1p and Cdr2p reveal structural determinants affecting substrate and inhibitor specificities

Koichi Tanabe
Department of Bioactive Molecules, National Institute of Infectious Diseases, Japan

AF-01-3 Structure and function analysis of *Candida albicans* secondary multidrug transporter

Rajendra Prasad
School of Life Sciences, Jawaharlal Nehru University, New Delhi, India

AF-01-4 Update on echinocandin resistance in *Candida albicans* and *Candida glabrata*

David S Perlin
Public Health Research Institute/New Jersey Medical School-UMDNJ, USA

AF-01-5 Mechanisms of clinical antifungal resistance in *Aspergillus*

David W Denning
School of Translational Medicine, University of Manchester, UK

May 27 (Wednesday) 10:45-12:15 **Room E (Hana B)**

AF-02 Transcriptional regulation of resistance

Chairpersons: Dominique Sanglard, *Institute of Microbiology, University of Lausanne and University Hospital Center, Switzerland*
Martine Raymond, *Institute for Research in Immunology and Cancer, Université de Montréal, Canada*
Koichi Tanabe, *Department of Bioactive Molecules, National Institute of Infectious Diseases, Japan*

AF-02-1 Transcriptional regulation of multidrug resistance genes

Scott Moye-Rowley
Molecular Physiology and Biophysics, University of Iowa, USA

AF-02-2 Genome-wide gene expression profiles of individual *CgPDR1* hyperactive alleles and identification of CgPdr1p-dependent virulence factor(s) in *Candida glabrata*

Dominique Sanglard
Institute of Microbiology, University of Lausanne and University Hospital Center, Switzerland

AF-02-3 Transcriptional regulation of azole resistance in *Candida albicans*

Joachim Morschhaeuser
Institut fuer Molekulare Infektionsbiologie, University of Wuerzburg, Germany

AF-02-4 Rep1p involved in drug resistance by negatively regulating efflux pump MDR1 in *Candida albicans*

Yun-Liang Yang
Biological Science and Technology, National Chiao Tung University, Taiwan

AF-02-5 Functional genomic analysis of the *Candida albicans* Fcr1p regulon

Martine Raymond
Institute for Research in Immunology and Cancer, Université de Montréal, Canada

May 27 (Wednesday) 16:15-17:45 **Room E (Hana B)**

PT-04 Molecular taxonomy of Basidiomycotic fungi

Chairpersons: Wieland Meyer, *Molecular Molecular Mycology Research Laboratory, Centre for Infectious Diseases and Microbiology, University of Sydney Western Clinical School at Westmead Hospital/Westmead Millennium Institute, Australia*
Teun Boekhout, *Yeast, CBS Fungal Diversity Centre, Utrecht, The Netherlands*
Reiko Ikeda, *Department of Microbiology, Meiji Pharmaceutical University, Japan*

PT-04-1 Basidiomycetous yeasts as emerging pathogens

Teun Boekhout
Yeast, CBS Fungal Diversity Centre, Utrecht, The Netherlands

PT-04-2 Molecular typing of *Malassezia* yeasts: Clues to epidemiology and pathobiology

George Gaitanis
Dermatology, University of Ioannina Medical School, Greece

PT-04-3 Recent progress in the taxonomy, identification, and epidemiology of the basidiomycetous pathogen *Trichosporon*

Takashi Sugita
Microbiology, Meiji Pharmaceutical University, Japan

PT-04-4 Molecular genotyping of *Cryptococcus neoformans* var. *grubii* (serotype A)

Anastasia P. Litvintseva
Molecular Genetics and Microbiology, Duke University Medical Center, USA

PT-04-5 Molecular epidemiology divides *Cryptococcus gattii* into four major molecular groups and identifies VGII as the ancestral genotype

Wieland Meyer
Molecular Mycology Research Laboratory, Centre for Infectious Diseases and Microbiology, University of Sydney Western Clinical School at Westmead Hospital/Westmead Millennium Institute, Australia

May 27 (Wednesday) 10:45-12:15 **Room G (Hana D)**

OT-01 New trends and challenges in scientific publishing - Editors' perspectives

Chairpersons: Ira F Salkin, *Biomedical Sciences, State University of New York School of Public Health, USA*
Yuzuru Mikami, *Medical Mycology Research Center (MMRC), Chiba University, Japan*

OT-01-1 Impact of impact factor on mycology journals

Ira F Salkin
Biomedical Sciences, State University of New York School of Public Health, USA

OT-01-2 Open Access publication and its consequences for medical mycology

Neil A.R. Gow
School of Medical Sciences, Institute of Medical Sciences, University of Aberdeen, Aberdeen, UK

OT-01-3 Ethics of scientific publishing: A growing concern?

Teunis Boekhout
Yeast, CBS Fungal Diversity Centre, Utrecht; FEMS Yeast Research, The Netherlands

OT-01-4 **Standards for publication of case reports**

Malcolm Richardson
Bacteriology and Immunology, University of Helsinki, Finland

May 27 (Wednesday) 16:15-17:45 **Room G (Hana D)**

CL-09 Invasive fungal infections in children: Epidemiology, new developments in the diagnosis and advances in antifungal therapy

Chairpersons: Theoklis Zaoutis, *Pediatrics and Epidemiology, Director, Pediatric Infectious Diseases Fellowship; Associate Director, Center for Pediatric Clinical Effectiveness (CPCE); The Children's Hospital of Philadelphia, USA*
William J. Steinbach, *Division of Pediatric Infectious Diseases, Duke University Medical Center, USA*
Shigefumi Maesaki, *Dep. Infectious Diseases and Infection Control, Saitama Medical School, Japan*

Opening remarks

William J. Steinbach
Division of Pediatric Infectious Diseases, Duke University Medical Center, USA

CL-09-1 **Epidemiology of IFI in children**

Theoklis Zaoutis
Pediatrics and Epidemiology, Director, Pediatric Infectious Diseases Fellowship; Associate Director, Center for Pediatric Clinical Effectiveness (CPCE); The Children's Hospital of Philadelphia, USA

CL-09-2 **Invasive fungal infections (IFIs) in pediatric ICU**

Emmanuel Roilides
Aristotle University School of Medicine, Thessaloniki, Greece

CL-09-3 **Diagnosis of IFI in children**

William J. Steinbach
Division of Pediatric Infectious Diseases, Duke University Medical Center, USA

CL-09-4 **Antifungal therapy for children**

Andreas H. Groll
Infectious Disease Research Program, Center for Bone Marrow Transplantation and Department of Pediatric Hematology/ Oncology, University Children's Hospital, Muenster, Germany

May 28 (Thursday) 8:30-10:00 **Room A (Eminence Hall)**

EP-02 Epidemiology and infection control

Chairpersons: Mary E. Brandt, *Mycotic Diseases Branch, Coordinating Center for Infectious Diseases, Centers for Disease Control and Prevention, USA*
Minoru Yoshida, *Fourth Department of Internal Medicine, Teikyo University School of Medicine, Japan*

EP-02-1 **Public health and mycology: The role of epidemiology in helping to combat fungal diseases**

Tom Chiller
Division of Foodborne, Bacterial and Mycotic Diseases, Centers for Disease Control and Prevention, USA

EP-02-2 **Prospective surveillance of invasive aspergillosis in France: 2005-2007**

Oliver Lortholary
Institut Pasteur, Paris, France

EP-02-3 **Epideminology of visceral mycoses in autopsy cases in Japan**

Tomiteru Togano
Department of Hematology, School of Medicine, Kitasato University, Japan

EP-02-4 **Epidemiology of candidemia in Latin America**

Guilherme Maranhão Chaves
Special Mycology Laboratory, Division of Infectious Diseases, Federal University of São Paulo, Brazil

EP-02-5 **Trends in antifungal drug susceptibility of *Cryptococcus* species in South Africa, 2002-2008**

Nelesh Govender
Mycology Reference Unit, National Institute for Communicable Diseases, South Africa

May 28 (Thursday) 16:15-17:45 **Room A (Eminence Hall)**

EP-04 Epidemiology, population genetics and evolution

Chairpersons: Sybren De Hoog, *Centraalbureau voor Schimmelcultures, The Netherlands*
David W. Warnock, *Division of Foodborne, Bacterial and Mycotic Diseases, National Center for Zoonotic, Vector-Borne and Enteric Disease, Centers for Disease Control & Prevention, USA*
Takashi Yaguchi, *Medical Mycology Research Center (MMRC), Chiba University, Japan*

EP-04-1 **Genetic variability among animal and human strains of *Microsporum canis* using microsatellite markers**

Yvonne Gräser
Parasitology, Institute of Microbiology and Hygiene (Charité), Germany

EP-04-2 **Out-of-Africa origin of *Cryptococcus neoformans* var. *grubii* (serotype A)**

Anastasia P. Litvintseva
Molecular Genetics and Microbiology, Duke University Medical Center, USA

EP-04-3 **Multi-locus sequence typing (MLST) and antifungal susceptibility analysis of *Candida glabrata*: Results from previous and current population-based surveillance studies**

Shawn R Lockhart
Mycotic Diseases Branch, Centers for Disease Control and Prevention, USA

EP-04-4 **Genotyping study of *Trichophyton schoenleinii* and *Microsporum canis* isolated from tinea capitis in Xinjiang province, west China**

Paride Abliz
Department of Dermatology of the First Affiliated Hospital, Xinjiang Medical University, China

May 28 (Thursday) 8:00-10:00 **Room B (Nishiki)**

EP-03 Mycoses in Asia

Chairpersons: Byung In Ro, *Department of Dermatology, Myongji Hospital, Kwandong University College of Medicine, Korea*
Katsutaro Nishimoto, *Dermatology, Ekisaikai Nagasaki Hospital, Japan*
Kusmarinah Bramono, *Dept. of Dermatovenereology, Fac. of Medicine, University Indonesia, Indonesia*

EP-03-1 ***Malassezia* in Asia**

Kyu Joong Ahn
Departmet of Dermatology, Konkuk University School of Medicine, Korea

EP-03-2 **Skin and mycoses in Indonesia**

Kusmarinah Bramono
Dept. of Dermatovenereology, Fac. of Medicine, University Indonesia, Indonesia

EP-03-3 **Dematiaceous fungus infections in East Asia - molecular biological aspects -**

Masako Kawasaki
Department of Dermatology, Kanazawa Medical University, Japan

EP-03-4 **Recent developments in epidemiology of histoplasmosis in humans and animals in Asia**

Harbans Singh Randhawa
Medical Mycology, Vallabhbhai Patel Chest Institute, India

EP-03-5 **Pathogenicity and epidemiology of *Penicllium marneffei* infection in Southeast Asia**

Nongnuch Vanittanakom
Department of Microbiology, Faculty of Medicine, Chiang Mai University, Thailand

EP-03-6 **Invasive fungal infections: Diagnosis and treatment in China**

Yuping Ran
Department of Dermatovenereology, West China Hospital, Sichuan University, China

May 28 (Thursday) 16:15-17:45 **Room B (Nishiki)**

CL-10 Management of subcutaneous mycoses

Chairpersons: Gerhard Haase, *Institute of Medical Microbiology, University Hospital RWTH, Germany*
Takashi Harada, *Tokyo Women's Medical University, Japan*
Alexandro Bonifaz, *Department of Dermatology, Hospital General de Mexico, Mexico*

CL-10-1 **Chromoblastomycosis in the panorama of the neglected diseases**

Flavio Queiroz Telles
Public Health, Hospital de Clinicas, Federal University of Parana, Brazil

CL-10-2 **Phaeohyphomycosis**

Wanda S Robles
Dermatology, Barnet & Chase Farm Hospitals NHS Trust, UK

CL-10-3 **Sporotrichosis in Japan**

Masahiro Kusuhara
Kusuhara Dermatology Clinic; Department of Dermatology, Kurume University School of Medicine, Japan

CL-10-4 **Mycetoma due to *Cladophialophora* spp.**

Alexandro Bonifaz
Department of Dermatology, Hospital General de Mexico, Mexico

CL-10-5 **Diagnostic and therapeutic aspects of subcutaneous zygomycosis: An update**

Ziauddin Khan
Microbiology, Kuwait University, Kuwait

May 28 (Thursday) 8:30-10:00 **Room C (Ohgi)**

CB-07 Virulence factors

Chairpersons: Bernhard Hube, *Microbial Pathogenicity Mechanisms, Leibniz Institute for Natural Product Research and Infection Biology - Hans-Knoell-Institute, Germany*
Somay Y. Murayama, *Laboratory of Molecular Epidemiology for Infectious Agents, Graduate School of Infection Control Sciences & Kitasato Institute for Life Sciences, Kitasato University, Japan*

CB-07-1 ***Candida albicans* Ssa1 mediates host cell invasion**

Q. T Phan
Infectious Diseases, Los Angeles Biomedical Research Institute at Harbor -UCLA Medical Center, Torrance -CA, USA

CB-07-2 **Iron aquisition of *Candida albicans* during oral infections**

Bernhard Hube
Microbial Pathogenicity Mechanisms, Leibniz Institute for Natural Product Research and Infection Biology - Hans-Knoell-Institute, Germany

CB-07-3 **Molecular genetics studies of dermatophytes: Investigation of secreted proteases and other possible virulence-related factors**

Tsuyoshi Yamada
Teikyo University Institute of Medical Mycology, Japan

CB-07-4 **Extracellular delivery of potential virulence factors in *Paracoccidioides brasiliensis***

Rosana Puccia
Microbiologia, Imunologia e Parasitologia, Fedral University of São Paulo, Brazil

CB-07-5 **Putative virulence factors of *Aspergillus fumigatus***

Akira Watanabe
Division of Fungal Infection, Medical Mycology Research Center, Chiba University, Japan

May 28 (Thursday) 16:15-17:45 **Room C (Ohgi)**

CB-08 Environmental signalling and stress response

Chairpersons: Gustavo Henrique Goldman, *Universidade de Sao Paulo, Brazil*
Yozo Miyakawa, *Interdisciplinary Graduate School of Medicine and Engineering, University of Yamanashi, Japan*
Fritz Alber Muhlschlegel, *Department of Biosciences, University of Kent, U.K.*

CB-08-1 **Molecular characterisation of a second CO2 sensing pathway in the fungal pathogen *Candida albicans***

Fabien Cottier
Department of Biosciences, University of Kent, UK

CB-08-2 **Cellular adaptation to host-specific stresses in *Cryptococcus neoformans***

Connie B Nichols
Medicine, Duke University Medical Center, USA

CB-08-3 **Profile of microbial volatile organic compounds (MVOCs) in *Aspergillus fumigatus***

Shin-ichi Iwaguchi
Department of Biological Science, Faculty of Science, Nara Women's University, Japan

CB-08-4 **Molecular modelling of *A. fumigatus* signal reception in response to environmental shift**

Elaine Bignell
Department of Microbiology Imperial College London, Centre for Molecular Microbiology and Infection, UK

CB-08-5 **Transcriptome analysis of the *Aspergillus fumigatus* calcineurin**

Gustavo H Goldman
Universidade de Sao Paulo, Brazil

May 28 (Thursday) 8:00-10:00 **Room D (Hana A)**

PT-05 Medical phycology: An emerging realm of microbiology

Chairpersons: John R Todd, *Infectious Diseases, Louisiana State University Health Sciences Center, USA*
Scott Pore, *West Virginia University Medical School, USA*
Tadahiko Matsumoto, *Assistant Director and Consultant Dermatologist, Yamada Institute of Health and Medicine, Japan*

PT-05-1 **Opening remarks: Birth of medical phycology**

Tadahiko Matsumoto
Assistant Director and Consultant Dermatologist, Yamada Institute of Health and Medicine, Japan

PT-05-2 **Protothecosis: Current assessment of five topics**

Scott Pore
West Virginia University Medical School, USA

PT-05-3 **Basic biology of *Prototheca***

Yoshi Odaka
Cellular Biology and Anatomy, Louisiana State University Health Sciences Center-Shreveport, USA

PT-05-4 **Phylogenic analysis and molecular detection and identification of *Prototheca***

Koichi Makimura
Department of Molecular Biology and Gene Diagnosis, Teikyo University Institute of Medical Mycology, Japan

PT-05-5 **Clinical, pathological, and microbiological features of Japanese cases of protothecosis**

Tetsuo Matsuda
Department of Dermatology, Kyushu University, Fukuoka, Japan

PT-05-6 **Closing remarks: Increasing importance of protothecosis in clinical medicine**

John R Todd
Infectious Diseases, Louisiana State University Health Sciences Center, USA

May 28 (Thursday) 16:15-17:45 **Room D (Hana A)**

AF-04 Pharmacokinetics and pharmacodynamics of antifungal agents

Chairpersons: Thomas J. Walsh, *Immunocompromised Host Section, Pediatric Oncology Branch, National Cancer Institute, USA*
Hiroshige Mikamo, *Department of Infection Control and Prevention, Aichi Medical University, Japan*
Olivier Lortholary, *Hôpital Necker and National Reference Center for Mycoses and Antifungal Agents, Institut Pasteur, France*

AF-04-1 **Bridging antifungal pharmacology between experimental models and humans**

William W. Hope
School of Translational Medicine, The University of Manchester, UK

AF-04-2 **Pharmacodynamics of echinocandins in experimental candidiasis**

David Andes
Department of Medicine and Microbiology, University of Wisconsin, USA

AF-04-3 **Nystatin - intralipid a novel formulation of nystatin**

Esther Segal
Department of Human Microbiology, Sackler School of Medicine, Tel -Aviv University, Israel

AF-04-4 **Therapeutic drug monitoring of posaconazole (PSZ) in adults**

David Lebeaux
Institut Pasteur, Paris, France

AF-04-5 **Pharmacokinetics of antifungal agents in pediatric patients**

Andreas H. Groll
Infectious Disease Research Program, Center for Bone Marrow Transplantation and Department of Pediatric Hematology/ Oncology, University Children's Hospital, Muenster, Germany

May 28 (Thursday) 8:30-10:00 **Room E (Hana B)**

AF-03 New targets and antifungal strategies

Chairpersons: Frank C. Odds, *Chair, Medical Mycology, University of Aberdeen, Institute of Medical Sciences, U.K.*
Hiroji Chibana, *Medical Mycology Research Center, Chiba University, Japan*

AF-03-1 Integration of functional genomics in pathogenic fungus *Candida glabrata* and development of antifungal drug targets

Hiroji Chibana
Medical Mycology Research Center, Chiba University, Japan

AF-03-2 *Candida albicans* genomes and genomics

Judith Berman
Genetics, Cell Biology & Development/Microbiology, University of Minnesota, USA

AF-03-3 Abrogation of iron acquisition as a novel therapeutic strategy for mucormycosis

Ashraf S. Ibrahim
Medicine, David Geffen School of Medicine at Harbor-UCLA Medical Center, USA

AF-03-4 Human pharmacogenomic models for antifungal efficacy and toxicity

Thomas J Walsh
National Cancer Institute, Bethesda, USA

May 28 (Thursday) 16:15-17:45 **Room E (Hana B)**

IM-05 Cytokines and host-fungus interaction

Chairpersons: Paul L. Fidel, *Department of Microbiology, Immunology, and Parasitology, and Obstetrics and Gynecology, Louisiana State University Health Sciences Center, USA*
Peter G. Pappas, *Center for AIDS Research, University of Alabama at Birmingham, USA*
Naohito Ohno, *Tokyo University of Pharmacy and Life Sciences, Japan*

IM-05-1 Neutrophil-*Candida* biofilm interactions

Anna Dongari-Bagtzoglou
Oral Health, University of Connecticut, USA

IM-05-2 Host response to *C. albicans* vaginal biofilm: The role of chemotactic calcium-binding proteins in susceptibility to vulvovaginitis

Paul L. Fidel
Department of Microbiology, Immunology, and Parasitology, and Obstetrics and Gynecology, Louisiana State University Health Sciences Center, USA

IM-05-3 Host and fungal prostaglandins influence dendritic cell interactions with *Candida albicans*

Mairi C Noverr
Microbiology & Immunology, Wayne State University, USA

IM-05-4 Mechanism of IL-12 synthesis by dendritic cells during cryptococcal infection

Kazuyoshi Kawakami
Department of Medical Microbiology, Mycology and Immunology, Tohoku University Graduate School of Medicine, Sendai, Miyagi, Japan

IM-05-5 Th17 cytokines in aspergillosis

Luigina Romani
Department of Experimental Medicine and Biochemical Sciences, University of Perugia, Perugia, Italy

May 29 (Friday) 9:00-10:30 **Room B (Nishiki)**

CL-11 Current trends in emerging invasive fungal infections

Chairpersons: Oliver A. Cornely, *Uniklinik Koln and Universitat Koln, Klinik I fur Innere Medizin, Germany*
Michael G. Rinaldi, *Fungus Testing Laboratory, Department of Pathology, University of Texas Health Science Center at San Antonio, USA*

CL-11-1 Emerging invasive fungal infections - an epidemiological update

Monica A. Slavin
Department of Infectious Diseases, Peter MacCallum Cancer Centre, Australia

CL-11-2 Diagnosing rare fungal infections

Georgios Petrikkos
A Pathology Department, Athens University Laikon Hospital, Greece

CL-11-3 Treating rare fungal infections - Current evidence

Thomas F Patterson
Department of Medicine/Infectious Diseases, University of Texas HSC San Antonio, USA

CL-11-4 Fungiscope - A global database for rare fungal infections

Maria J.G.T. Rueping
Klinisches Studienzentrum 2 fuer Infektiologie, Klinik I fuer Innere Medizin, Uniklinik Koeln, Germany

May 29 (Friday) 10:45-12:15 **Room B (Nishiki)**

IM-07 Experimental models of fungal infections

Chairpersons: Yasuaki Aratani, *International Graduate School of Arts and Sciences, Yokohama City University, Japan*
Julian R. Naglik, *Oral Immunology, King's College London, U.K.*

IM-07-1 Animal models as a tool in medical mycology - Overview

Karl V Clemons
California Institute for Medical Research; Santa Clara Valley Medical Center; Stanford University, USA

IM-07-2 Mucosal model of *Candida* colonisation: Commensal vs pathogen and host innate immunity

Julian R. Naglik
Oral Immunology, King's College London, UK

IM-07-3 *In vivo* role of myleloperoxidase for the host defense against fungi

Yasuaki Aratani
International Graduate School of Arts and Sciences, Yokohama City University, Japan

IM-07-4 Use of in vitro models to study the *Candida albicans* infection process

Bernhard Hube
Microbial Pathogenicity Mechanisms, Leibniz Institute for Natural Product Research and Infection Biology - Hans-Knoell-Institute, Germany

IM-07-5 The activation of host transcription factor, AP-1, triggered by *Aspergillus fumigatus*

Takahito Toyotome
Department of Pathogenic Fungi, Medical Mycology Research Center, Chiba University, Japan

May 29 (Friday) 9:00-10:30 **Room C (Ohgi)**

CB-09 Transcriptome and proteomics

Chairpersons: Jose L. Lopez-Ribot, *Biology/STCEID, The University of Texas at San Antonio, USA*
Katsuya Gomi, *Graduate School of Agricultural Science, Tohoku University, Japan*
Phillip D Rogers, *College of Pharmacy, Clinical Pharmacy, University of Tennessee Health Science Center, USA*

CB-09-1 Proteomic approaches to study the many facets of *Candida albicans* biology and pathogenicity

Jose L Lopez-Ribot
Biology/STCEID, The University of Texas at San Antonio, USA

CB-09-2 Genome-wide analysis of *Candida albicans* cell wall remodelling

Carol A Munro
School of Medical Sciences, University of Aberdeen, UK

CB-09-3 Transcriptomics and proteomics as a tool for the study of azole antifungal resistance in *Candida albicans*

Phillip D Rogers
College of Pharmacy, Clinical Pharmacy, University of Tennessee Health Science Center, USA

CB-09-4 Transcription activator, AtrR, regulates gene expression of ABC transporters and contributes to azole drug resistance in Aspergilli

Katsuya Gomi
Graduate School of Agricultural Science, Tohoku University, Japan

CB-09-5 Both transcriptomic and proteomic analysis of the *Cryptococcus neoformans* phospholipase C1 mutant indicates a pleiotropic role for PI-PLC

Methee Chayakulkeeree
Department of Infectious Diseases, Centre for Infectious Diseases and Microbiology, University of Sydney, Australia; Department of Medicine, Mahidol University, Thailand

May 29 (Friday) 10:45-12:15 **Room C (Ohgi)**

CB-10 Mating in pathogenic fungi

Chairpersons: Alexander D. Johnson, *Microbiology & Immunology, University of California, San Francisco, USA*
Takahito Suzuki, *Faculty of Science, Nara Women's University, Japan*
Geraldine Butler, *School of Biomolecular and Biomedical Science, University College Dublin, Ireland*

CB-10-1 Comaparative genomic analysis of mating and virulence in *Candida* species

Geraldine Butler
School of Biomolecular and Biomedical Science, University College Dublin, Ireland

CB-10-2 High throughput genetic approaches for understanding *Candida albicans* Virulence

Alexander D. Johnson
Microbiology & Immunology, University of California, San Francisco, USA

CB-10-3 The occurrence of ploidy-shift may be due to aberration of chromosome 5 in *Candida albicans*

Takahito Suzuki
Faculty of Science, Nara Women's University, Japan

CB-10-4 **Investigating the relationship between sexual development and pathogenesis of *Cryptococcus neoformans***

Christina M Hull
Biomolecular Chemistry/Medical Microbiology & Immunology, University of Wisconsin, Madison, USA

CB-10-5 **A method for mating clinical *Candida albicans* isolates**

Ningxin Zhang
Institute of Molecular BioSciences, Massey University, New Zealand

May 29 (Friday) 9:00-10:30 **Room D (Hana A)**

AF-05 Susceptibility testing

Chairpersons: Ana V Espinel-Ingroff, *Internal Medicine/Infectious Diseases, Virginia Commonwealth University Medical Center, USA*
Shunji Takakura, *Department of Clinical Laboratory Medicine, Kyoto University, Kyoto, Japan*
Francoise Dromer, *Molecular Mycology Unit, Institut Pasteur, France*

AF-05-1 **Symposium introductory lecture: New developments in antifungal susceptibility testing**

Ana V Espinel-Ingroff
Internal Medicine/Infectious Diseases, Virginia Commonwealth University Medical Center, USA

AF-05-2 **Clinical applicability of interpretive breakpoints and methodologies for in vitro antifungal susceptibility testing**

Thomas J Walsh
National Cancer Institute, Bethesda, USA

AF-05-3 **Usefulness of the EUCAST method for the analysis of antifungal susceptibility profiles and trends**

Francoise Dromer
Molecular Mycology Unit, Institut Pasteur, France

AF-05-4 **Commercial methods of antifungal susceptibility testing and their utility in the clinical laboratory**

Shunji Takakura
Department of Clinical Laboratory Medicine, Kyoto University, Kyoto, Japan

Questions/Answers

May 29 (Friday) 10:45-12:15 **Room D (Hana A)**

PT-07 Molecular tools for diagnosis and typing: Sequence based identification of fungi - progress made so far

Chairpersons: S. Arunmozhi Balajee, *Molecular Epidemiology Unit, Mycotic Diseases Branch, Centers for Disease Control and Prevention, USA*
Malcolm Richardson, *Department of Bacteriology & Immunology, Haartman Institute, University of Helsinki, Finland*
Koichi Makimura, *Department of Molecular Biology and Gene Diagnosis, Teikyo University Institute of Medical Mycology, Japan*

Opening remarks

Brief overview of ISHAM working group on Sequence based identification of fungi

S. Arunmozhi Balajee
Molecular Epidemiology Unit, Mycotic Diseases Branch, Centers for Disease Control and Prevention, USA

PT-07-1 **Overview of sequence based identification for fungi**

Josep Guarro
Unitat Microbiologia, Universitat Rovira i Virgili, Spain

PT-07-2 **Sequence based fungal identification, databases, intra-species variation and molecular cut-off points**

Wieland Meyer
Molecular Mycology Research Laboratory, CIDM, University of Sydney Western Clinical School at Westmead Hospital/ Westmead Millennium Institute, Australia

PT-07-3 **The fungal barcoding initiative and sequenced-based identification of medical fungi**

Jianping Xu
Department of Biology, McMaster University, Canada

PT-07-4 **Non-culture identification paradigms for diagnosis and epidemiology of nosocomial fungal infections**

Aristea Velegraki
Medical School, National and Kapodistrian University of Athena, Greese

PT-07-5 **Specific detection and identification of fungal DNA using quantitative PCR and loop-mediated isothermal amplification; their advantages and limitations**

Koichi Makimura
Department of Molecular Biology and Gene Diagnosis, Teikyo University Institute of Medical Mycology, Japan

May 29 (Friday) 9:00-10:30 **Room E (Hana B)**

PT-06 Serodiagnosis and histopathology: New diagnostic techniques for the routine lab

Chairpersons: Lena S.E. Klingspor, *Karolinska Institutet, Department of Laboratory Medicin, Division of Clinical Microbiology, Karolinska University Hospital, Sweden*
John E. Edwards, Jr., *Chief, Division of Infectious Diseases, Harbor/UCLA Medical Center, Professor of Medicine, David Geffen School of Medicine at UCLA, USA*
Kazutoshi Shibuya, *Department of Pathology, Omori Hospital, Toho University School of Medicine, Japan*

PT-06-1 **Application of *in situ* hybridization procedure on tissue sections to identification of molds causing invasive fungal infections**

Minoru Shinozaki
Department of Pathology, Toho University Medical Center, Omori Hospital, Japan

PT-06-2 ***In situ* immunodiagnosis of mycoses**

Henrik E Jensen
Pathology, University of Copenhagen, Denmark

PT-06-3 **Serodiagnosis of aspergillosis and endemic mycoses**

Lawrence J Wheat
Director, MiraVista Diagnostics and MiraBella Technologies, Indianapolis, Indiana, USA

PT-06-4 **Serological diagnosis of invasive *Candida* infections**

Frank C. Odds
Aberdeen Fungal Group, Institute of Medical Sciences, University of Aberdeen, UK

May 29 (Friday) 10:45-12:15 **Room E (Hana B)**

OT-02 Mycotoxin

Chairpersons: Yoshiko Konishi, *Division of Microbiology, National Institute of Health Sciences, Japan*
Barbara Howlett, *Botany, School of Botany, The University of Melbourne, Australia*
F. Javier Cabanes, *Veterinary Mycology Group, Department of Animal Health and Anatomy, Universitat Autonoma de Barcelona, Spain*

OT-02-1 Ochratoxin A - producing species

F. Javier Cabanes
Veterinary Mycology Group, Department of Animal Health and Anatomy, Universitat Autonoma de Barcelona, Spain

OT-02-2 Sirodesmin and gliotoxin: Secondary metabolite toxins in fungal pathogens of plants and animals

Barbara J Howlett
Botany, School of Botany, The University of Melbourne, Australia

OT-02-3 Effect of deoxynivalenol on Toll-like receptor signaling

Kei-ichi Sugiyama
Division of Microbiology, National Institute of Health Sciences, Japan

OT-02-4 Pulmonary hypertension caused by inhalation of fungal spores - a new mycotoxic disease? -

Eri Ochiai
Department of Pathogenic Fungi, Medical Mycology Research Center, Chiba University, Japan

OT-02-5 Poisoning of dogs with tremorgenic *Penicillium* toxins

GS. Eriksen
National Veterinary Institute, Oslo, Norway

May 29 (Friday) 9:00-10:30 **Room F (Hana C)**

IM-06 Bridging innate and adaptive immunity to fungi: Dectin, dendritic cells and phagocytes

Chairpersons: Andrew H Limper, *Pulmonary, Critical Care, Internal Medicine and Biochemistry/Molecular Biology, Mayo Clinic College of Medicine, USA*
Yoshiyuki Adachi, *School of Pharmacy, Laboratory for Immunopharmacology of Microbial Products, Tokyo University of Pharmacy and Life Sciences, Japan*

IM-06-1 Recognition of fungal cell wall polysaccharides by innate immune system especially C-type lectins on macrophages

Yoshiyuki Adachi
School of Pharmacy, Laboratory for Immunopharmacology of Microbial Products, Tokyo University of Pharmacy and Life Sciences, Japan

IM-06-2 Modulation of innate immune reponses to fungi

Andrew H Limper
Pulmonary, Critical Care, Internal Medicine and Biochemistry/Molecular Biology, Mayo Clinic College of Medicine, USA

IM-06-3 LacCer-enriched membrane microdomain-mediated neutrophil innate immune responses

Kazuhisa Iwabuchi
Infection Control Nursing, Graduate School of Health Care and Nursing, Juntendo University, Japan

IM-06-4 CD4+ T cell-independent vaccination against opportunistic infections

Mingquan Zheng
Department of Genetics, Louisiana State of University Health Science Center. New Orleans, Lousiana, USA

IM-06-5 **Dendritic cell cytokine responses to fungal beta-glucans**

Eva M Carmona
Pulmonary Critical Care, Mayo Clinic, USA

May 29 (Friday) 10:45-12:15 **Room F (Hana C)**

CL-12 Pneumocystis and Pneumocystis pneumoniae

Chairpersons: Jacques J Guillot, *Department of Parasitology-Mycology, Ecole Nationale Veterinaire d'Alfort, France*
Charles F Thomas, *Division of Pulmonary and Critical Care Medicine, Thoracic Diseases Research Unit, Mayo Clinic College of Medicine, USA*

CL-12-1 **PCP 2009. Clinical features, advances, and future directions**

Charles F Thomas
Division of Pulmonary and Critical Care Medicine, Thoracic Diseases Research Unit, Mayo Clinic College of Medicine, USA

CL-12-2 **Pneumocystis jirovecii diagnosis by polymerase chain reaction technique**

Maria M Panizo
Mycology Department, Instituto Nacional de Higiene Rafael Rangel, Venezuela

CL-12-3 **New notions on *Pneumocystis* transmission**

Magali Chabe
EA3609-Parasitology-Mycology, Faculty of Pharmacy, Lille2-University; EA3609-Ecology of Parasitism, IFR142-Lille Pasteur Institute, France

CL-12-4 **Pneumocystosis in Venezuelan patients: Epidemiology and diagnosis (2001-2008)**

Maria M Panizo
Mycology Department, Instituto Nacional de Higiene Rafael Rangel, Venezuela

CL-12-5 ***Pneumocystis* spp.: Proxies for mammalian host phylogeny and ecology?**

Jacques J Guillot
Department of Parasitology-Mycology, Ecole Nationale Veterinaire d'Alfort, France

Morning Sessions

May 26 (Tuesday) 8:00-8:50 **Room B (Nishiki)**

MO-01 ISHAM Working Group: Mycetoma

Chairpersons: Wendy van de Sande, *Medical Microbiology and Infectious Diseases, ErasmusMC, The Netherlands*
Abdalla O.A Ahmed, *University of Khartoum, Sudan*

MO-01-1 Eumycetoma: An overview

Abdalla O.A Ahmed
University of Khartoum, Sudan

MO-01-2 Melanin biosynthesis in *Madurella mycetomatis*: Implications for rational therapy

Wendy van de Sande
Medical Microbiology and Infectious Diseases, ErasmusMC, The Netherlands

MO-01-3 Molecular characterisation of the *Madurella grisea* complex reveals at least three new taxa associated with human mycetomas

Andrew M Borman
Health Protection Agency Mycology Reference Laboratory, Bristol, UK

MO-01-4 Mycetoma due to a novel species of *Pleurostomophora* in an indigenous woman from the Kimberley region of Western Australia

Thamara Wijesuriya
Department of Microbiology & Infectious Diseases, Royal Perth Hospital, Sri Lanka

May 26 (Tuesday) 8:00-8:50 **Room C (Ohgi)**

MO-02 ISHAM Working Group: Chromoblastomycosis

Chairpersons: Roxana G Vitale, *Unidad de Parasitologia. Sector Micologia., Consejo Nacional de Investigaciones Cientificas y Tecnologicas (CONICET) and Hospital JM Ramos Mejia, Argentina*
Flavio Queiroz-Telles, *Public Health, Hospital de Clinicas, Federal University of Parana, Brazil*

MO-02-1 The clinical polymorphism of chromoblastomycosis lesions

Flavio Queiroz-Telles
Public Health, Hospital de Clinicas, Federal University of Parana, Brazil

MO-02-2 Genetic diversity and species delimitation in the opportunistic genus *Fonsecaea*

Mohammad Javad Najafzadeh
Ecology of Clinical Fungi, CBS, Fungal Biodiversity Centre,Utrecht, The Netherlands; University of Amsterdam, The Netherlands; Mashad University of Medical Sciences, Iran

MO-02-3 Overview of the recent work in antifungals with strains isolated from patients with chormoblastomycoses

Roxana G Vitale
Unidad de Parasitologia. Sector Micologia., Consejo Nacional de Investigaciones Cientificas y Tecnologicas (CONICET) and Hospital JM Ramos Mejia, Argentina

MO-02-4 A chronic chromoblastomycosis model by *Fonsecaea monophora* in Wistar rat

Liyan Xi
Department of Dermatology, The Second Affiliated Hospital, Sun Yat-Sen University, Guangzhou, China

May 26 (Tuesday) 8:00-8:50 **Room D (Hana A)**

MO-03 ISHAM Working Group: Rhinosinusitis

Chairpersons: Arunaloke Chakrabarti, *Department of Medical Microbiology, Postgraduate Institute of Medical Education & Research, Chandigarh, India*
David W. Denning, *Professor of Medicine and Medical Mycology, Director, National Aspergillosis Center, University of Manchester, UK*

MO-03-1 Categories of fungal rhinosinusitis including the problem of AFRS/EFRS/EMRS

Arunaloke Chakrabarti
Department of Medical Microbiology, Postgraduate Institute of Medical Education & Research, Chandigarh, India

MO-03-2 Special staining techniques to identify fungi in fungal rhinosinusitis

Walter Buzina
Institute for Hygiene, Microbiology and Environmental Medicine, Medical University Graz, Austria

MO-03-3 Chronic rhinosinusitis: In immune response to fungi

Jens Ponikau
Department of Otorhinolaryngology, University at Buffalo; The State University of New York; Gromo Institute and Sinus Center, USA

MO-03-4 Fungal rhinosinusitis - a categorization and definitional schema

David W. Denning
Professor of Medicine and Medical Mycology, Director, National Aspergillosis Centre, University of Manchester, UK

May 26 (Tuesday) 8:00-8:50 **Room E (Hana B)**

MO-04 *Lacazia loboi* infections in humans and dolphins

Chairpersons: Leonel Mendoza, *Biomedical Laboratory Diagnostics, Michigan State University, USA*
Raquel V Vilela, *Bimedical Laboratory Diagnostics, Michigan State University, USA*

MO-04-1 Human *Lacazia loboi* infection

Raquel V Vilela
Bimedical Laboratory Diagnostics, Michigan State University, USA

MO-04-2 Evaluation of humoral immune response to *Lacazia loboi* antigens in sera from patients with lobomycosis

Roberta L Motta
Dermatology, Superior Institute of Medicine and Dermatology, Brasil; Post-graduation in Health Sciences, Departament of Cinical Medicine, Universidade Federal de Minas Gerais, Brazil; Biomedical Laboratory Diagnostics Program, Michigan State University, USA

MO-04-3 *Lacazia loboi* in dolphins: A South American origin?

Leonel Mendoza
Biomedical Laboratory Diagnostics, Michigan State University, USA

May 26 (Tuesday) 8:00-8:50 **Room F (Hana C)**

MO-05 EORTC/MSG definitions - changes and challenges

Chairpersons: Peter Donnelly, *Department of Haematology, Radboud University Nijmegen Medical Centre & Nijmegen University Centre for Infectious Diseases, The Netherlands*
Thomas F. Patterson, *Division of Infectious Diseases, Professor of Medicine, Director, San Antonio Center for Medical Mycology, The University of Texas Health Science Center at San Antonio, USA*

MO-05-1 EORTC/MSG definitions - changes and challenges

Peter G. Pappas
Center for AIDS Research, University of Alabama at Birmingham, USA

MO-05-2 Challenges of the EORTC/MSG definitions

Oliver A. Cornely
Department I of Internal Medicine, University Hospital of Cologne, Germany

May 26 (Tuesday) 9:00-9:50 **Room C (Ohgi)**

MO-06 ISHAM Working Group: Black yeasts

Chairpersons: Sybren de Hoog, *Centraalbureau voor Schimmelcultures Fungal Biodiversity Centre, The Netherlands*
Ruoyu Li, *Dept. of Dermatology, Peking University First Hospital, China*

MO-06-1 Evolution of *CDC42*, a putative virulence factor triggering meristematic growth in black yeasts

Shuwen Deng
Department of Dermatology First Affiliated Hospital, Xinjiang Medical University, China; Department of Dermatology, First Affiliated Hospital, China; CBS Fungal Biodiversity Centre, Utrecht, The Netherlands

MO-06-2 Molecular diversity of the black yeast *Exophiala dermatitidis*, a neurotropic opportunist in humans

Montarop Sudhadham
Centraalbureau voor Schimmelcultures Fungal Biodiversity Centre, Utrecht; Institute for Biodiversity and Ecosystem Dynamics, University of Amsterdam, Amsterdam, The Netherlands

MO-06-3 Analyses of the putative secondary structure of the ITS2 RNA of *Herpotrichiellaceae*

Gerhard Haase
Institute of Medical Microbiology, Unversity Hospital RWTH Aachen, Germany

MO-06-4 Cerebral phaeohyphomycosis due to *Rhinocladiella mackenziei* (formerly *Ramichloridium mackenziei*)

Saad J. Taj-Aldeen
Laboratory Medicine and Pathology, Microbiology Division, Hamad Medical Corporation, Doha, Qatar

MO-06-5 In vitro activities of conventional and new antifungal drugs against *Rhinocladiella mackenziei* an agent of cerebral phaeohyphomycosis

Hamid Badali
Centraalbureau voor Schimmelcultures, Utrecht, The Netherlands; Mazandaran University of Medical Sciences, Sari, Iran

May 27 (Wednesday) 8:00-8:50 **Room B (Nishiki)**

MO-07 *Pythium insidiosum*

Chairpersons: Leonel Mendoza, *Michigan State University, USA*
Ariya Chindamporn, *Chulalongkorn University, Thailand*

MO-07-1 Human pythiosis

Boonmee Sathapatayavongs
Department of Medicine, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Thailand

MO-07-2 *Pythium insidiosum* from environmental samples. Epidemiological consideration

Nongnuch Vanittanakom
Department of Microbiology, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand

MO-07-3 Diagnosis and treatment of *Pythium insidiosum* infection in animals

Robert L. Glass
Pan American Veterinary Laboratories, USA

May 27 (Wednesday) 8:00-8:50 **Room C (Ohgi)**

MO-08 ISHAM Working Group: Fungiscope

Chairpersons: Oliver A. Cornely, *Uniklinik Koln and Universitat Koln, Klinik I fur Innere Medizin, Germany*
Maria J.G.T. Rueping, *Klinik I fuer Innere Medizin, Klinisches Studienzentrum 2 fuer Infektiologie, Uniklinik Koeln, Germany*

Opening remarks

Oliver A. Cornely
Uniklinik Koln and Universitat Koln, Klinik I fur Innere Medizin, Germany

MO-08-1 Principles of collaboration: Authorship and local groups

Maria J.G.T. Rueping
Klinik I fuer Innere Medizin, Klinisches Studienzentrum 2 fuer Infektiologie, Uniklinik Koeln, Germany

MO-08-2 ClinicalSurveys.net - the technology behind Fungiscope

Joerg J. Vehreschild
Department I for Internal Medicine, University Hospital of Cologne, Germany

MO-08-3 Under the Fungiscope - Zygomycetes

Joerg J. Vehreschild
Department I for Internal Medicine, University Hospital of Cologne, Germany

May 27 (Wednesday) 8:00-8:50 **Room D (Hana A)**

MO-09 ISHAM Working Group: *Pseudallescheria / Scedosporium* infections

Chairpersons: Josep Cano, *Microbiology, Universitat Rovira í Virgili, IISPV, Spain*
Monica Slavin, *Peter MacCallum Cancer Centre, Australia*

MO-09-1 Keeping an eye on environmental sources for *Scedosporium* species

Kathrin Tintelnot
Infectious Diseases, Division Mycology, Robert Koch-Institut, Germany

MO-09-2 *Scedosporium aurantiacum*: An emerging pathogen in Australia and New Zealand?

Sharon Chen
Centre for Infectious Diseases and Microbiology, Westmead Hospital, Australia

MO-09-3 Barcoding of the therapy-refractory species of *Pseudallescheria* and *Scedosporium*

Michaela Lackner
Federal Institute for Drugs and Medical Devices (BfArM), Germany

MO-09-4 Molecular phylogeny of *Pseudallescheria*

Josep Cano
Microbiology, Universitat Rovira í Virgili, IISPV, Spain

MO-09-5 Osteomyelitis caused by *Scedosporium apiospermum* in an immunocompetent Patient

Saad J. Taj-Aldeen
Microbiology Division, Laboratory Medicine and Pathology, Hamad Medical Corporation, Qatar

May 27 (Wednesday) 8:00-8:50 **Room E (Hana B)**

MO-10 ISHAM Working Group: Zygomycosis, a global registry

Chairpersons: George Petrikkos, *A Pathology Department, Athens University Laikon Hospital, Greece*
Emmanuel Roilides, *Aristotle University Medical School, Greece*

MO-10-1 Zygomycosis in tropical areas: Experience from India

Arunaloke Chakrabarti
Department of Medical Microbiology, Postgraduate Institute of Medical Education & Research, Chandigarh, India

MO-10-2 South America: What epidemiological data do we have?

Roxana G. Vitale
The National Council of Scientific and Technological Research (CONICET) and JM Ramos Mejia Hospital, Parasitology Unit. Mycology Section, Argentina

MO-10-3 Sensitivity testing of zygomycosis

J. L. Rodriguez-Tudela
Jefe de Area de Bacteriologia, Micologia y Parasitologia, Centro Nacional de Microbiología del Instituto Carlos III, Spain

MO-10-4 Molecular methods for the identification and detection of zygomycetes

Arunmozhi Balajee
Division of Foodborne, Bacterial, and Mycotic Diseases, Centers for Disease Control and Prevention, USA

MO-10-5 A global registry for Zygomycosis: Results from the first ECMM study and plans for the future

Georgios Petrikkos
A Pathology Department, Athens University Laikon Hospital, Greece

May 27 (Wednesday) 8:00-8:50 **Room G (Hana D)**

MO-11 ISHAM Working Group: *Malassezia* epidemiology and pathobiology

Chairpersons: Aristea Velegraki, *Medical School, National and Kapodistrian University of Athens, Greece*
Takashi Sugita, *Department of Microbiology, Meiji Pharmaceutical University, Japan*

MO-11-1 Update on dandruff-associated *Malassezia* genomes

Teun Boekhout
Yeast Research, CBS Fungal Biodiversity Centre, The Netherlands

MO-11-2 Developments in *Malassezia* susceptibility testing

Ana Espinel-Ingroff
Infectious Diseasesl / Internal Medicine, Virginia Commonwealth University, USA

MO-11-3 Discussion and action plan

Aristea Velegraki
Medical School, National and Kapodistrian University of Athens, Greece

Poster Forums

May 26 (Tuesday) 9:00-10:30 **Room F (Hana C)**

PF-01 Superficial mycoses 1

Chairpersons: Pietro Nenoff, *Laboratorium fuer medizinische Mikrobiologie, Germany*
Ana C Gomes, *Genomics Unit, Biocant / University of Aveiro, Portugal*
Jochen Brasch, *Department of Dermatology, University Hospitals of Kiel, Germany*

PF-01-1 **Usefulness of PCR-Elisa assay for detection of *Trichophyton rubrum*, *Trichophyton interdigitale*, *Epidermophyton floccosum* and *Microsporum canis* in skin scrapings and nails in routine laboratory diagnostics**

Pietro Nenoff
Laboratorium fuer medizinische Mikrobiologie, Germany

PF-01-2 **The microbiome of human skin infections**

Ana C Gomes
Genomics Unit, Biocant / University of Aveiro, Portugal

PF-01-3 **2006 epidemiological survey of dermatomycoses in Japan**

Yoshihiro Sei
Mizonokuchi Hospital, Teikyo University School of Medicine, Japan

PF-01-4 **Adult tinea capitis in Taiwan**

Pei-Lun Sun
Department of Dermatology, Mackay Memorial Hospital, Taipei, Taiwan

PF-01-5 **A case of Tinea barbae due to *Trichophyton rubrm* with dermoscopic findings**

Tomotaka Sato
Department of Dermatology, National Hospital Organization Tokyo Medical Center; Department of Dermatology, Keio University School of Medicine, Japan

PF-01-6 **Clinical correlation between human dermatophytosis and animal exposure**

Sumanas Bunyaratavej
Department of Dermatology, Faculty of Medicine, Siriraj Hospital Mahidol University, Thailand

PF-01-7 ***Aspergillus ochraceopetaliformis* as a cause of onychomycosis**

Jochen Brasch
Department of Dermatology, University Hospitals of Kiel, Germany

PF-01-8 ***Fusarium* paronychia sine paronychia**

Henry Harak
Dermatology ward, Ospedale di Sesto san Giovanni (Milano), Italy

May 26 (Tuesday) 10:45-12:15 **Room F (Hana C)**

PF-02 Subcutaneous mycoses and others

Chairpersons: Shivaprakash M Rudramurthy, *Medical Microbiology, PGIMER, Chandigarh, India*
Hsiang-Kuang Tseng, *Institute of Clinical Medicine, National Yang-Ming University; Mackay Memorial Hospital, Taiwan*
Wei-Da Liu, *Dep. of Mycoses, Institute of Dermatology, China*

PF-02-1 **Survey of 157 sporotrichosis cases examined in Nagasaki prefecture between 1951 and 2008**

Asako Ogawa
Department of Dermatology, Nagasaki University Graduate School, Japan

PF-02-2 ***Sporothrix globosa*: Is the only newly described Sporothrix species causing human infections in India?**

Shivaprakash M Rudramurthy
Medical Microbiology, PGIMER, Chandigarh, India

PF-02-3 **Chromoblastomycosis and subcutaneous phaeohyphomycosis caused by *Exophiala bergeri* and *E. xenobiotica* in immuno-compromised patients**

Mari Iwasawa
Department of Dermatology, School of Medicine, Chiba University, Japan

PF-02-4 **Study of 62 cases of mycetoma in Iran**

Jamal Hashemi
Dept. of Mycology, Tehran University of Medical Sciences, Iran

PF-02-5 ***Paecilomyces lilacinus* cutaneous infection in a case of Rheumatoid arthritis treated with oral voriconazole and topical Mycostatin solution**

Hsiang-Kuang Tseng
Institute of Clinical Medicine, National Yang-Ming University; Mackay Memorial Hospital, Taiwan

PF-02-6 **Primary cutaneous zygomycosis due to *Absidia corymbifera* in a patient with cutaneous T cell lymphoma**

Ze-Hu Liu
Institute of Dermatology, CAMS and PUMC, China

May 26 (Tuesday) 16:15-17:45 **Room F (Hana C)**

PF-03 Superficial mycoses 2

Chairpersons: Kusmarinah Bramono, *Dept. of Dermatovenereology, Fac. of Medicine, University Indonesia*
Noungnuch Vanittanakom, *Faculty of Medicine, Chiang Mai University, Thailand*

PF-03-1 ***Onychocola canadensis* onychomycosis: Report of 23 new cases from France**

Genevieve Buot
Laboratoire de Parasitologie-Mycologie, Saint-Antoine Hospital, France

PF-03-2 **Molecular study of *Candida* species isolated from candidial stomatitis and thier related predisposing factors in patients using complete dental implants**

Kamiar Zomorodian
Medical Mycology and Parasitology, Shiraz University of Medical Sciences, Iran

PF-03-3 **Decreased susceptibility to miconazole and ketoconazole against *Candida albicans* from APECED patients**

Riina Richardson
Bacteriology and Immunology, University of Helsinki; Oral Maxillofac Dis, Helsinki Univ Hosp; Clin Microbiol, Helsinki Univ Hosp, Finland

PF-03-4 **Problems in diagnosing *Malassezia* folliculitis**

Sandra Widaty
Department of Dermatovenereology, Faculty of Medicine University of Indonesia/Dr. Cipto Mangunkusumo Hospital, Jakarta, Indonesia

PF-03-5 **Antifungal activity of luliconazole in a guinea pig seborrheic dermatitis model with *Malassezia restricta***

Yukimi Munechika
Research Center, Nihon Nohyaku Co., Ltd., Japan

PF-03-6 **Characterization of melanogenesis in fungal skin infections**

Sirida Youngchim
Microbiology, Faculty of Medicine, Chiang Mai University, Thailand

PF-03-7 **Rapid detection of fungal keratitis using DNA stabilizing FTA^R filter paper**

Philipp P. Bosshard
Department of Dermatology, Zurich University Hospital, Switzerland

May 27 (Wednesday) 9:00-10:30 **Room G (Hana D)**

PF-04 Systemic mycoses 1

Chairpersons: Ashraf S. Ibrahim, *Medicine, David Geffen School of Medicine at UCLA, USA*
Tania C Sorrell, *University of Sydney, Australia*

PF-04-1 **Primary exploration of two-round PCR on the rapid molecular diagnosis of clinical fungal infection specimens**

Xuelian Lu
Mycology, Institute of Dermatology, CAMS & PUMC, China

PF-04-2 **How different is Neosartorya udagawae from *Aspergillus fumigatus* ?**

Janyce Sugui
Laboratory of Clinical Infectious Diseases, National Institutes of Health, Bethesda, MD, USA

PF-04-3 **High resolution typing of *Aspergillus fumigatus* by multi locus VNTR analysis (MLVA)**

Jacques Guillot
UMR ENVA, AFSSA, Biologie Moleculaire et Immunologie Parasitaires et Fongiques, Ecole Nationale Veterinaire d'Alfort, Maisons-Alfort, France

PF-04-4 **Iron chelator Deferasirox (Exjade®) alone or in combination with lipid formulations of amphotericin B (AmB) is effective in treatment of murine invasive pulmonary aspergillosis**

Ashraf S. Ibrahim
Medicine, David Geffen School of Medicine at UCLA, USA

PF-04-5 **Antifungal susceptibility of *Candida glabrata* isolates collected during population-based candidemia surveillance in metropolitan Atlanta, GA and Baltimore City and County, MD, 2008**

Shawn R Lockhart
Mycotic Diseases Branch, Centers for Disease Control and Prevention, USA

PF-04-6 **Gene expression in *Candida albicans* fatty acid desaturase null mutant**

Somay Y. Murayama
Laboratory of Molecular Epidemiology for Infectious Agents, Graduate School of Infection Control Sciences & Kitasato Institute for Life Sciences, Kitasato University, Japan

PF-04-7 **Molecular relatedness based on the analysis of the ribosomal R NA of *Candida albicans* isolated from patients hospitalized in eight medical centers in Brazil. A practical method to evaluate molecular epidemiology**

Maria L Moretti
Internal Medicine, State University of Campinas, Brazil

PF-04-8 **Pattern of *Candida* colonisation and invasive Candidiasis in the ICU**

Anna F Lau
Centre for Infectious Diseases and Microbiology, University of Sydney; Centre for Infectious Diseases and Microbiology, Westmead Hospital, Australia

PF-04-9 Epidemiology and sensitivity profile of *Candida* strains from invasive infections in a tertiary hospital in Greece

Maria Drogari-Apiranthitou
Research Laboratory of Infectious Diseases, First Dept of Propedeutic Medicine, Infectious Diseases Research Laboratory, Medical School, National University of Athens, Greece

May 27 (Wednesday) 9:00-10:30 **Room F (Hana C)**

PF-05 Classification and identification

Chairpersons: Takashi Yaguchi, *Medical Mycology Research Center, Chiba University, Japan*
Angkana Chaiprasert, *Microbiology, Mahidol University, The Philippines*
Reinhard Kappe, *Institute of Medical Laboratory Diagnostics and Microbiology, Suedharz Hospital, Germany*

PF-05-1 Classification of the pathogenic *Aspergillus* section *Fumigati* and *Neosartorya* based on phyogenetic analysis, and value based on the morophology

Takashi Yaguchi
Medical Mycology Research Center, Chiba University, Japan

PF-05-2 Development of rapid and specific molecular discrimination method in the pathogenic *Emericella* species

Tetsuhiro Matsuzawa
Medical Mycology Research Center, Chiba University, Japan

PF-05-3 A putative new species in the *Sporothrix schenckii* complex and new records of Sporothrix species from Australia

Hugo Madrid
Microbiology, Universitat Rovira i Virgili, IISPV, Spain

PF-05-4 Barcoding of the therapy-refractory species of *Pseudallescheria* and *Scedosporium*

Sybren de Hoog
Centralbureau voor Schimmelcultures Fungal Biodiversity Centre, The Netherlands

PF-05-5 Phylogeny of *Ochroconis* and *Scolecobasidium*

K. Samerpitak
Department of Microbiology, Faculty of Medicine, KhonKaen University, Thailand

PF-05-6 Phylogenetic relationship of *Pythium insidiosum* isolates from Thailand and around the world

Angkana Chaiprasert
Microbiology, Mahidol University, The Philippines

PF-05-7 Prevalence, phenotypic identification, and antimycotic susceptibility of *Candida dubliniensis* from fecal samples of outpatients in Thuringia/Germany

Dagmar Rimek
Department of Bacteriology, Mycology, Parasitology, Thuringian State Authority for Food Safety (TLLV); Dep Mycology, Bad Langensalza, Germany

May 27 (Wednesday) 10:45-12:15 **Room F (Hana C)**

PF-06 Systemic mycoses 2

Chairpersons: Saad J. Taj-Aldeen, *Laboratory Medicine and Pathology, Microbiology Division, Hamad Medical Corporation, Doha, Qatar*
Wieland Meyer, *University of Sydney Western Clinical School at Westmead Hospital/Westmead Millennium Institute, Australia*

PF-06-1 The occurrence of the primary pathogenic yeast *Cryptococcus gattii* in Europe

Ferry Hagen
Yeast Research, CBS Fungal Biodiversity Centre, The Netherlands

PF-06-2 Increase in Non-Aspergillus mold infections in recipients of allogeneic bone marrow transplantation (BMT) at Memorial Sloan-Kettering Cancer Center (MSKCC)

Carlos M. Jaramillo Hoyos
Medicine - Infectious Diseases, Memorial Sloan Kettering Cancer Center, USA

PF-06-3 Dematiaceous moulds - Emerging pathogens in the pediatric oncology population

Gabriela M Maron
Infectious Diseases, St. Jude Children's Research Hospital, USA

PF-06-4 Withdrawn

PF-06-5 Molecular characterization of two isolates of Histoplasma capsulatum from an outbreak in treasure hunters

Angeles M. Martinez-Rivera
Microbiology, National School of Biological Sciences, Mexico

PF-06-6 An endemic foci of Penicilliosis marneffei in India

Ranjana Devi Khuraijam
Microbiology, Regional Institute of Medical Sciences, India

PF-06-7 Withdrawn

May 27 (Wednesday) 15:40-17:10 **Room B (Nishiki)**

PF-07 Antifungals

Chairpersons: Annette W Fothergill, *Pathology, University of Texas Health Science Center, USA*
Vishnu Chaturvedi, *Mycology Laboratory, Wadsworth Center / New York State Dept. of Health, USA*
Kyoko Niimi, *Department of Oral Sciences, University of Otago, New Zealand*

PF-07-1 A head-to-head comparison of analytical grade powders against pharmacy preparations for antifungal susceptibility testing

Annette W Fothergill
Pathology, University of Texas Health Science Center, USA

PF-07-2 Testing antifungal combinations in diagnostic laboratories - relevance, tool kits and interpretations

Vishnu Chaturvedi
Mycology Laboratory, Wadsworth Center / New York State Dept. of Health, USA

PF-07-3 **Phenotypic and molecular characterisation of drug sensitive and resistant fungal isolates in mycotic keratitis**

Niranjan Nayak
Ocular Microbiology, All India Institute of Medical Sciences, India

PF-07-4 **In vitro activities of eight antifungal drugs against 70 clinical and environmental isolates of *Alternaria* species**

Hamid Badali
CBS, Fungal Biodiversity Centre, Utrecht, The Netherlands; Department of Medical Mycology and Parasitology, School of Medicine, Mazandaran University of Medical Sciences, Sari, Iran; Canisius Wilhelmina Hospital, Nijmegen, The Netherlands

PF-07-5 **Mechanism of echinocandin resistance in *Candida albicans***

Kyoko Niimi
Department of Oral Sciences, University of Otago, New Zealand

PF-07-6 **Overexpression of cyp51A gene and a transposition event in multi-azole resistant clinical isolates of *A. fumigatus***

Ahmed M Albarrag
Dept. of Pathology (32), School of Medicine, King Saud University, Saudi Arabia

PF-07-7 **Antifungal activity of alcoholic extracts of *Quercus semen***

Ivica Zurak
Microbiology, Hospital/University, Kosorova 13, Zagreb, Croatia (Hrvatska)

PF-07-8 **Voriconazole serum dosage using a modified microbiologic method**

Rene Pelletier
Microbiology, L'Hotel-Dieu de Quebec du CHUQ, Canada

May 27 (Wednesday) 16:15-17:45 **Room F (Hana C)**

PF-08 Cell biology, immunity, antifungals and others

Chairpersons: Hector M. Mora-Montes, *School of Medical Sciences, University of Aberdeen, UK*
Walter Buzina, *Institute for Hygiene, Microbiology and Environmental Medicine, Medical University Graz, Austria*
Zafer Cetinkaya, *Klinical Microbiology, Afyon Kocatepe University Faculty of Medicine, Turkey*

PF-08-1 **Fungal cell wall glycobiology and interaction with the host innate immune system**

Hector M. Mora-Montes
School of Medical Sciences, University of Aberdeen, UK

PF-08-2 **Heat shock response in fungi of medical interest**

Walter Buzina
Institute for Hygiene, Microbiology and Environmental Medicine, Medical University Graz, Austria

PF-08-3 **Immunogenic cell wall and exopolysaccharides of *Exophiala spinifera***

Vania A. Vicente
Basic Pathology Department, UFPR- Federal University of Parana, Curitiba, PR, Brazil

PF-08-4 **Immune answer of animals vaccinated against dermatophytosis**

Igor Polyakov
BINOMED GmbH, Germany

PF-08-5 **The mechanism of amphotericin B nephrotoxicity and its neutralization by conjugation with arabinogalactan**

Itzhack Polacheck
Department of Clinical Microbiology and Infectious Diseases, Hadassah-Hebrew University Medical Center, Israel

PF-08-6 **The effects of caspofungin and voriconazole in experimental *Candida* otititis media**

Zafer Cetinkaya
Klincal Microbiology, Afyon Kocatepe University Faculty of Medicine, Turkey

PF-08-7 **Antifungal activity of propolis from two valleys of the Basque Country (Spain)**

Maria D Moragues
Enfermeria 1, Universidad del Pais Vasco, Spain

PF-08-8 **Toxicity of indoor moulds**

Elena Pieckova
Slovak Medical University, Bratislava, Slovak Republic

May 28 (Thursday) 8:30-10:00 **Room F (Hana C)**

PF-09 Cell biology, biochemistry and molecular biology

Chairpersons: Chester R Cooper, *Biological Sciences, Youngstown State University, USA*
Mario L Silva-Vergara, *Internal Medicine, Triangulo Mineiro Federal University, Brazil*
Peter A Warn, *The University of Manchester, UK*

PF-09-1 **Phosphorylation regulates polarised chitin synthesis in *Candida albicans***

Megan D Lenardon
School of Medical Sciences, University of Aberdeen, UK

PF-09-2 **Interaction of mannooligosaccharides from *Cryptococcus neoformans* and triosephosphate isomerase on *Staphylococcus aureus***

Reiko Ikeda
Microbiology, Meiji Pharmaceutical University, Japan

PF-09-3 **Morphological and pigmentation mutants of *Penicillium marneffei* generated by *Agrobacterium*-mediated transformation**

Chester R. Cooper
Biological Sciences, Youngstown State University, USA

PF-09-4 **Targeting the oligopeptide transporter (OPT) family of *Aspergillus fumigatus***

Thomas Hartmann
Institut fuer Molekulare Infektionsbiologie, University Wuerzburg, Germany

PF-09-5 **Eicosanoids of *Candida dubliniensis***

Ruan Ells
Microbial, Biochemical and Food Biotechnology, University of the Free State, South Africa

PF-09-6 **Molecular characterization of environmental isolates of Cryptococcus spp. in Uberaba, MG, Brazil**

Mario L Silva-Vergara
Internal Medicine, Triangulo Mineiro Federal University, Brazil

PF-09-7 **Bloodstream infections due to *Trichosporon*: Phenotypic and genotypic identification, species distribution and *T. asahii* genotypes based on rDNA IGS1 sequencing**

Guilherme M. Chaves
Medicine, Federal University of Sao Paulo, Brazil

PF-09-8 **Immunohistochemistry and PCR on formalin-fixed paraffin-embedded tissue for detection of fungal etiology in a tertiary healthcare setting**

Jagdish Chander
Education Research Centre, Regional Mycology Laboratory, UK

May 28 (Thursday) 16:15-17:45 **Room F (Hana C)**

PF-10 Veterinary mycoses

Chairpersons: Ellen Christensen, *Department of Mycology, National Veterinary Institute, Norway*
Deanna A Sutton, *University of Texas Health Science Center, USA*

PF-10-1 Moulds in the upper respiratory tract in dogs suffering from chronic rhinosinusitis - A pilot study

Ellen Christensen
Department of Mycology, National Veterinary Institute, Norway

PF-10-2 Radiographic evaluation of aspergillosis in 10 African gray parrot cases

Mohammad Molazem
University of Tehran, Iran

PF-10-3 The white nose fungus

Ira F Salkin
Biomedical Sciences, State University of New York, USA

PF-10-4 Epidemiologic significance of the latent fungal carriage in animals

Marina G Manoyan
Veterinary Mycology, The All-Russia State Center for Quality of Animal Medicines and Feeds (FSE), Russia

Poster Presentations

PP-01 Cell biology, biochemistry and molecular biology

PP-01-1 Phosphorylation regulates polarised chitin synthesis in *Candida albicans*

Megan D Lenardon
School of Medical Sciences, University of Aberdeen, UK

PP-01-2 Fungal cell wall glycobiology and interaction with the host innate immune system

Hector M. Mora-Montes
School of Medical Sciences, University of Aberdeen, UK

PP-01-3 Chemical structure and antigenicity of the cell wall galactomannan from *Malassezia furfur* and *Malassezia pachydermatis*

Nobuyuki Shibata
Infection and Host Defense, Tohoku Pharmaceutical University, Japan

PP-01-4 Structural changes in the cell wall mannans of pathogenic *Candida albicans* and other *Candida* species cultured under various stress conditions

Yoshio Okawa
Department of Infection and Host Defense, Tohoku Pharmaceutical University, Japan

PP-01-5 Role and localization of Scw4p in Saccharomyces cerevisiae cell wall

Vladimir Mrsa
Department of Biochemistry, Faculty of Food Technology and Biotechnology, Croatia (Hrvatska)

PP-01-6 Chemical structure difference in yeast and hyphal forms of cell wall mannan of *Candida albicans*

Ze-Hu Liu
Institute of Dermatology, CAMS and PUMC, China

PP-01-7 Characterization of the *Afu3g08990* gene encoding a GPI-anchored, tandem repeat-rich cell wall protein (CWP) in *A. fumigatus*

Emma Levdansky
Clinical Microbiology and Immunology, Sackler School of Medicine, Tel Aviv University, Israel

PP-01-8 The influence of β-glucan on the growth and cell wall structure of Aspergillus

Ken-ichi Ishibashi
Laboratory for Immunopharmacology of Microbial Products, School of Pharmacy, Tokyo University of Pharmacy and Life Sciences, Japan

PP-01-9 Genome-wide analysis of *Candida albicans* cell wall remodelling

Carol A Munro
School of Medical Sciences, University of Aberdeen, UK

PP-01-10 Isolation of *Candida glabrata* regulatory elements that affect the sterol transporter *AUS1* -regulated azole susceptibility of cells grown in serum-containing medium

Hironobu Nakayama
Dept. of Chemistry & Biochemistry, Suzuka National College of Technology, Japan

PP-01-11 Identification of non-coding RNAs in *Candida albicans* using DNA tiling microarrays

Martine Raymond
Institute for Research in Immunology and Cancer, Université de Montréal, Canada

PP-01-12 **Both transcriptomic and proteomic analysis of the *Cryptococcus neoformans* phospholipase C1 mutant indicates a pleiotropic role for PI-PLC**

Methee Chayakulkeeree
Department of Infectious Diseases, Centre for Infectious Diseases and Microbiology, University of Sydney, Australia; Department of Medicine, Mahidol University, Thailand

PP-01-13 **Study of hypoxia response in *Cryptococcus neoformans***

Zuzana Moranova
Medical Mycology Research Center, Japan; Department of Microbiology, Palacky University, Czech Republic

PP-01-14 **Conservation of SREBP processing pathway in *Cryptococcus neoformans***

Yun Chang
NIH, USA

PP-01-15 **Functional analysis of genes involved in drug resistance in *Cryptococcus neoformans***

Kiminori Shimizu
Medical Mycology Research Center, Chiba University, Japan

PP-01-16 **Oxylipin studies expose antifungals with dual action in *Candida albicans* and *Cryptococcus neoformans*: A Review**

Lodewyk J.L.F. Kock
Microbial, Biochemical and Food Biotechnology, University of the Free State, South Africa

PP-01-17 **Detection and prevalence of ERG11 gene mutations in clinical *Candida albicans* isolates with reduced susceptibility to fluconazole by rolling circle amplification and DNA sequencing**

Sharon C Chen
Centre for Infectious Diseases and Microbiology, Westmead Hospital, Sydney, Australia

PP-01-18 **Mutations of CaENO1 affect cell growth, virulence, susceptibilities to drug, and the resistance to sodium chloride in *Candida albicans***

Yun-Liang Yang
Biological Science and Technology, National Chiao Tung University; Ctr Biomed and Biol Eng, National Chiao Tung University, Taiwan

PP-01-19 **Interaction of mannooligosaccharides from *Cryptococcus neoformans* and triosephosphate isomerase on *Staphylococcus aureus***

Reiko Ikeda
Microbiology, Meiji Pharmaceutical University, Japan

PP-01-20 **The antimicrobial peptide LL-37 induces cell death of *Candida albicans* by evoking oxidative stress**

Yun-Ru Chen
Department of Life Science, National Tsing Hua University, Taiwan

PP-01-21 **Does *Candida albicans* sterol composition influence biofilm formation?**

Anna Kolecka
Comenius University, Faculty of Natural Sciences, Department of Microbiology and Virology, Bratislava, Slovak Republic

PP-01-22 **Monoclonal antibodies against components of the cell wall of *C. albicans* can mimic the inhibition of adhesion of the fungus to human epithelial cells mediated by human saliva**

Maria D Moragues
Enfermeria 1, Universidad del Pais Vasco, Spain

PP-01-23 **Assessing *Candida* biofilm formation in a new in vivo non vascular model**

Helene Tournu
Department of Molecular Microbiology, VIB, KU Leuven; KU Leuven, Institute of Botany and Microbiology, Belgium

PP-01-24 **Overexpression of the *Candida albicans MSI3* encoding a novel member of the HSP70 family effects on the germination regulated by farnesol**

Jun-ichi Nagao
Department of Functional Bioscience, Fukuoka Dental College, Japan

PP-01-25 **Regulation of Rac1 in *Candida albicans* invasive filamentous growth**

Hannah Hope
Institute of Developmental Biology and Cancer, France

PP-01-26 **Cell surface expression of adhesins for fibronectin correlates with virulence in *Sporothrix schenckii***

Leila M Lopes-Bezerra
Biologia Celular - Lab. Micologia Celular e Proteômica, Universidade do Estado do Rio de Janeiro, Brazil

PP-01-27 **Heat shock response in fungi of medical interest**

Walter Buzina
Institute for Hygiene, Microbiology and Environmental Medicine, Medical University Graz, Austria

PP-01-28 **A method for mating clinical *Candida albicans* isolates**

Ningxin Zhang
Institute of Molecular BioSciences, Massey University, New Zealand

PP-01-29 **A, B, C genotyping and virulence factors of *C albicans* strains isolated from patients during episodes of colonization versus infection**

Guilherme M. Chaves
Medicine, Federal University of Sao Paulo, Brazil

PP-01-30 **Phenotypic relationship between environmental and clinical isolates of human pathogenic *Pythium insidiosum***

Jidapa Supabandhu
Department of Microbiology, Faculty of Medicine, Chiang Mai University, Thailand

PP-01-31 **Development of multilocus microsatellite typing (MLMT) system for Rhizopus arrhizus**

Abhishek Baghela
Division of Mycology, Department of Medical Microbiology, PGIMER, Chandigarh, India

PP-01-32 **Morphological and pigmentation mutants of *Penicillium marneffei* generated by *Agrobacterium*-mediated transformation**

Chester R. Cooper
Biological Sciences, Youngstown State University, USA

PP-01-33 **Cloning and Characterization of the Phospholipase B gene from *Malassezia pachydermatis***

Weerapong Juntachai
Department of Life Science, Tokyo Institute of Technology, Japan

PP-01-34 **Molecular analysis of *Malassezia* microflora in seborrheic dermatitis patients: Comparison with other diseases and healthy subjects**

Mami Tajima
Department of Dermatology, Tokyo Medical University, Japan

PP-01-35 **The transcription factor AfPrtT regulates the expression of key secreted proteases in *Aspergillus fumigatus***

Shelly Hagag
Clinical Microbiology and Immunology, School of Medicine Tel Aviv University, Israel

PP-01-36 **Targeting the oligopeptide transporter (OPT) family of *Aspergillus fumigatus***

Thomas Hartmann
Institut fuer Molekulare Infektionsbiologie, University Wuerzburg, Germany

PP-01-37 **Microtube-like projections of *Cryptococcus gattii* - Unique virulence attributes or structural anomalies?**

Vishnu Chaturvedi
Mycology Laboratory, Wadsworth Center / New York State Dept. of Health, USA

PP-01-38 **Multilocus sequence typing of Cryptococcus neoformans var. grubii from Thailand**

Ariya Chindamporn
Department of Microbiology, Faculty of Medicine, Chulalongkorn University, Thailand

PP-01-39 **Evaluation of phospholipase activity of Cryptococcus neoformans and Cryptococcus gattii and its purification**

Jaishree Naidu
Dept. of Zoology and Biotechnology, Govt. Autonomous Science College, India

PP-01-40 **Phylogenetic relationships of Thai Pythium insidiosum isolates using cytochrome oxidase II sequences**

Patcharee Kammarnjassadakul
Interdisciplinary Program of Medical Microbiology, Graduate School/Chulalongkorn University, Thailand

PP-01-41 **Study on the molecular characteristics of Trichosporon inkin**

Xuelian Lu
Mycology, Institute of Dermatology, CAMS & PUMC, China

PP-01-42 **Fungal glucosylceramide plays an important role in the hyphal growth of the pathogenic yeast *Candida albicans***

Susumu Kajiwara
Department of Life Science, Tokyo Institute of Technology, Japan

PP-01-43 **Effects of single amino acid on the morphogenesis of *Candida albicans***

Ze-Hu Liu
Institute of Dermatology, CAMS and PUMC, China

PP-01-44 **Effect of electron transfer system on the hyphal formation of *Candida albicans***

Ze-Hu Liu
Institute of Dermatology, CAMS and PUMC, China

PP-01-45 **Characterization of the *SKN7* homologue in *Candida glabrata***

Tomomi Saijo
Second Department of Internal Medicine, Nagasaki University Hospital of Medicine, Japan

PP-01-46 **Evolution of *CDC42*, a putative virulence factor triggering meristematic growth in black yeasts**

Shuwen Deng
Department of Dermatology First Affiliated Hospital, Xinjiang Medical University, China; Department of Dermatology, First Affiliated Hospital, China; CBS Fungal Biodiversity Centre, Utrecht, The Netherlands

PP-01-47 **Analysis of the role of the single G1 cyclin, CnCln1, in *Cryptococus neoformans* cell cycle**

Eric V Virtudazo
Division of Ultrastructure and Function Department of Molecular Function, Chiba University Medical Mycology Research Center, Japan

PP-01-48 **Eicosanoids of *Candida dubliniensis***

Ruan Ells
Microbial, Biochemical and Food Biotechnology, University of the Free State, South Africa

PP-01-49 **CaHap43 acts as a potential regulator of iron homeostasis in *Candida albicans***

Po-Chen Hsu
Department of Life Science, National Tsing Hua University, Taiwan

PP-01-50 **Transcription regulation of an iron- responsive gene CaSIT1 in *Candida albicans***

Chun-Chuan Chang
Department of Life Science, National Tsing Hua University, Taiwan

PP-01-51 **A small G protein Rhb1 and a GTPase-activating protein Tsc2 involved in nitrogen starvation-induced morphogenesis and cell wall integrity of *Candida albicans***

Chang-Chih Tsao
Department of Life Science, National Tsing Hua University; Institute of Molecular and Cellular Biology, Taiwan

PP-01-52 **Structure based *de novo* peptide design for development of antifungal drug**

Keigo Ueno
Medical Mycology Research Center, Chiba University, Japan

PP-01-53 **Essential genes identified in the pathogenic yeast *Candida* as the potential antifungal targets**

Yozo Miyakawa
Division of Biotechnology, University of Yamanashi, Japan

PP-01-54 **Establishment of a useful system for screening and identification of the essential genes from the pathogenic haploid yeast *Candida glabrata* by the complementation of the temperature-sensitive mutations**

Yukiho Yamada
Interdisciplinary Graduate School of Medicine and Engineering, Division of Biotechnology, University of Yamanashi, Japan

PP-01-55 **Molecular types of *Cryptococcus spp*. isolated from captive bird excreta in Uberaba, MG, Brazil**

Mario L Silva-Vergara
Internal Medicine, Triangulo Mineiro Federal University, Brazil

PP-01-56 **Genotype and mating type analysis of 81 clinical isolates of *Cryptococcus neoformans* and *Cryptococcus gattii* from patients with *cryptococcal* meningitis in Uberaba, MG, Brazil**

Mario L Silva-Vergara
Internal Medicine, Triangulo Mineiro Federal University, Brazil

PP-01-57 **Molecular characterization of environmental isolates of Cryptococcus spp. in Uberaba, MG, Brazil**

Mario L Silva-Vergara
Internal Medicine, Triangulo Mineiro Federal University, Brazil

PP-01-58 **Bloodstream infections due to *Trichosporon*: Phenotypic and genotypic identification, species distribution and *T. asahii* genotypes based on rDNA IGS1 sequencing**

Guilherme M. Chaves
Medicine, Federal University of São Paulo, Brazil

PP-01-59 **Partial characterization of extracellular membranous vesicular structures from *Paracoccidioides brasiliensis***

Rosana Puccia
Microbiology, Immunology e Parasitology, Federal University of São Paulo, Brazil

PP-01-60 **Structural and stability properties among *Paracoccidioides brasiliensis* gp43 isoforms**

Rosana Puccia
Microbiology, Immunology e Parasitology, Federal University of São Paulo, Brazil

PP-01-61 **Purification and recombinant expression of the polyphenoloxidase from *Agaricus brasiliensis***

Akiko Matsumoto-Akanuma
Lab. of Immunopharmacology of Microbial Products, School of Pharmacy, Tokyo University of Pharmacy and Life Sciences, Japan

PP-01-62 **Molecular cloning of polyphenoloxidase genes from *Agaricus brasiliensis***

Akiko Matsumoto-Akanuma
Lab. of Immunopharmacology of Microbial Products, School of Pharmacy, Tokyo University of Pharmacy and Life Sciences, Japan

PP-01-63 **Nested PCR for histoplasmosis vs routine diagnosis**

Mireya M Mendoza
Micologia, Instituto de Biomedicina, Venezuela

PP-01-64 **Immunohistochemistry and PCR on formalin-fixed paraffin-embedded tissue for detection of fungal etiology in a tertiary healthcare setting**

Jagdish Chander
Education Research Centre, Regional Mycology Laboratory, UK

PP-01-65 **The titer of anti-β-glucan antibody in human**

Ken-ichi Ishibashi
Laboratory for Immunopharmacology of Microbial Products, School of Pharmacy, Tokyo University of Pharmacy and Life Sciences, Japan

PP-01-66 **Standardized PCR technique for diagnosis of Candidosis**

Ana E Brito Gamboa
Escuela de Medicina Vargas, Universidad Central de Venezuela, Venezuela

PP-01-67 ***Candida albicans* antigens for serology diagnosis of Candidosis**

Mireya M Mendoza
Micologia, Instituto de Biomedicina, Venezuela

PP-01-68 **Application of PCR on detection of aflatoxinogenic molds**

Jamal Hashemi
Dept. of Mycology, Tehran University of Medical Sciences, Iran

PP-01-69 **Assessment and comparison of two SCAR markers for the detection of Histoplasma capsulatum**

Maria Lucia Taylor
Facultad Medicina, Depto. Microbiologia y Parasitologia, Universidad Nacional Autonoma de Mexico, Mexico

PP-01-70 **Molecular evidence of Histoplasma capsulatum infection in organs of the migratory bat Tadarida brasiliensis**

Maria Lucia Taylor
Facultad Medicina, Depto. Microbiologia y Parasitologia, Universidad Nacional Autonoma de Mexico, Mexico

PP-01-71 **Rapid direct colony PCR from fungi by ampdirect plus**

Mohamed M AlShahni
Teikyo University Institute of Medical Mycology; Laboratory of Veterinary Microbiology, Nippon Veterinary and Life Science University, Japan

PP-01-72 **Real-time PCR quantitation of DNA contaminants in recent β-glucanase products used for fungal preparations**

Yoshiharu Miyajima
Teikyo University Institute of Medical Mycology, Japan

PP-01-73 **Development of *Prototheca zopfii* detecting system with TaqMan®MGB probe and Resolight Dye**

Masanobu Onozaki
Life Science Dept., Kanto Chemical Co., Inc; Teikyo University Institute of Medical Mycology, Japan

PP-01-74 **Heat resistance of *Cladosporium cladosporioides***

Toshihiko Watanabe
Tohoku Pharamaceutical University, Japan

PP-01-75 **Characterization of RAD51 and RAD59 from *Candida albicans***

Germán Larriba
University of Extremadura, Spain

PP-02 Host defense and immunity

PP-02-1 **Suppression of anti-*Candida* activity of macrophages by farnesol**

Naho Maruyama
Teikyo University Institute of Medical Mycology, Japan

PP-02-2 **Immunological aspects of Chitin, the legand of toll-like receotor-2**

Shigeo Suzuki
Sendai Research Institute for Mycology, Japan

PP-02-3 **Sporotrichosis of the face by autoinoculation associated with tacrolimus treatment**

Mizuki Tochigi
Dermatology, Surugadai Nihon University Hospital, Japan

PP-02-4 **Differences in sensitization between allergic bronchopulmonary mycosis and fungus sensitized bronchial asthma**

Chiyako Oshikata
Clinical Research Center for Allergy and Rheumatology, National Hospital Organization Sagamihara Hospital, Japan

PP-02-5 **Genetic typing of *Aspergillus flavus* isolates from allergic fungal rhino sinusitis (AFRS) cases in Northern India**

Thungapathra M
Biochemistry, Postgraduate Institute of Medical Education and Research, Chandigarh, India

PP-02-6 **Pentraxin 3 protects from *Aspergillus* infection and inflammation in chronic granulomatous diseases**

Teresa Zelante
Biochemical Science and Experimental Medicine, University of Perugia, Italy

PP-02-7 **Host susceptibility in mycetoma: The role of sex-hormone synthesis**

Wendy van de Sande
Medical Microbiology and Infectious Diseases, ErasmusMC, The Netherlands

PP-02-8 **Natural killer cells exhibit direct activity against *Aspergillus fumigatus***

Thomas Lehrnbecher
Pediatric Hematology and Oncology, University of Frankfurt, Germany

PP-02-9 **Interferences between seric level of Zn and immunity status in pregnant women with oral and vaginal mycoses**

Alina Stefanache
Faculty of Pharmacy, University of Medicine and Pharmacy, Iasi, Romania

PP-02-10 **Non-lethal *Candida albicans cph1/cph1 efg1/efg1* mutant partially protects mice from systemic infections by lethal wild-type cells**

Hsiu-Jung Lo
Division of Clinical Research, National Health Research Institutes, Taiwan

PP-02-11 **The antimicrobial peptide LL-37 inhibits the adherence of *Candida albicans* via interaction with glycans and glycoproteins**

Pei-Wen Tsai
Institute of Molecular and Cellular Biology, National Tsing Hua University, Hsinchu, Taiwan

PP-02-12 **The effects of *Candida* cell wall glycosylation status on neutrophil activity**

Chirag C Sheth
School of Medical Sciences, University of Aberdeen, UK

PP-02-13 **Cytokine responses and histology analysis in mouse tissues infected with *Candida albicans* mannosylation mutants**

Luis Castillo
Department of Molecular & Cell Biology, School of Medical Sciences, University of Aberdeen, UK

PP-02-14 **Rho-kinase inhibitor suppresses pulmonary artery remodeling induced in mice by repeated inhalation of *Stachybotrys chartarum***

Masaru Nagayoshi
Medical Mycology Research Center, Chiba University, Chiba; Department of Respirology, Graduate School of Medicine, Chiba University, Chiba, Japan

PP-02-15 **Role of *Candida albicans* surface antigen in adherence in *in vitro* biofilm model**

Helena Bujdakova
Microbiology and Virology, Comenius University, Faculty of Natural Sciences, Slovak Republic

PP-02-16 **Multiple roles of *Candida albicans*-derived cell wall components in human keratinocytes - Activation of immune response and induction of apoptosis**

Jeanette Wagener
Dermatology, University of Tuebingen, Germany

PP-02-17 **Characterization of PMN chemotactic factors involved in susceptibility to vaginal candidiasis**

Junko Yano
Department of Microbiology, Immunology and Parasitology, Louisiana State University Health Sciences Center, USA

PP-02-18 **Impact of Lactobacillus species on localised *Candida albicans* infection and the mucosal innate immune response**

Daniela Mailaender-Sánchez
Dermatology, University Hospital Tuebingen, Germany

PP-02-19 **Renal responses during experimental disseminated *Candida albicans* infection**

Donna M. Maccallum
School of Medical Sciences, Univeristy of Aberdeen, UK

PP-02-20 **Clinical and experimental evidence for a relation between *Candida albicans* and Crohn's disease**

Daniel Poulain
Department of Mycology, Inserm U799, France

PP-02-21 **Characterization of mycological features of putative α-type mannosyltransferase deleted *Candida albicans***

Akiko Ishida-Okawara
Bioactive Molecules, National Institute of Infectious Diseases, Japan

PP-02-22 **The effect of fungal species and murine strains on the development of pulmonary arterial hypertension**

Eri Ochiai
Department of Pathogenic Fungi, Medical Mycology Research Center, Chiba University, Japan

PP-02-23 **The model of aortitis-induced heart failure in DBA/2 mice developed by fungal PAMPs, CAWS, water-soluble polymer complex obtained from *Candida albicans***

Naoto Hirata
Department of Pharmacy, Nagano Red Cross Hospital; Laboratory for Immunopharmacology of Microbial Products, School of Pharmacy, Tokyo University of Pharmacy and Life Sciences, Japan

PP-02-24 **Studies on immunotoxicity of water soluble polysaccharide fraction from culture supernatant of *Candida* spp**

Yusuke Takano
Tokyo University of Pharmacy and Life Sciences, Japan

PP-02-25 **Interleukin-10 gene transfer inhibits the induction of CAWS vasculitis in mouse**

Yusuke Takano
Tokyo University of Pharmacy and Life Sciences, Japan

PP-02-26 **Interleukin-10 is a negative regulatory factor of CAWS-vasculitis in CBA/J mice assessed by comparison with Bruton's tyrosine kinase deficient CBA/N mice**

Noriko Nagi-Miura
Pharmacy, Tokyo University of Pharmacy and Life Sciences, Japan

PP-02-27 **Measurement of (1,3)-β-D-glucan concentration in several drugs for injection**

Noriko Nagi-Miura
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PP-02-28 **Analysis of cytokine production from PBMC by stimulation with solid phased intravenous immune globulin**

Ayumi Yamamoto
Tokyo University of Pharmacy and Life Sciences, Japan

PP-02-29 **Involvement of branched units at position 6 in the reactivity of a unique variety of β-D-glucan from *Aureobasidium pullulans* to antibodies in human sera**

Rui Tada
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PP-02-30 **Effect of anti-β-glucan monoclonal antibody to biological activity of fungal cell wall β-glucan**

Wataru Tateishi
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PP-02-31 **Preparation of *Trichophyton* cell wall β-glucan by NaClO-DMSO methods**

Ken-ichi Ishibashi
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PP-02-32 **Immunomodulation by *Agaricus brasiliensis* extracts in mice**

Daisuke Yamanaka
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PP-02-33 **Comparison of response of PBMC stimulated with β-glucan in human volunteers**

Yoshiyuki Furumi
Pharmacy, Tokyo University of Pharmacy and Life Sciences, Japan

PP-02-34 **Comparison of biological activity between soluble and particle β-glucan**

Masashi Yoshikawa
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PP-02-35 **Effect of GM-CSF on cytokine induction by β-glucan: SCG *in vitro* in β-glucan-treated mice**

Toshie H. Hida
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PP-02-36 **Effect of a linear 1,3-glucan, Curdlan-oligo on cytokine induction of SCG: 6-branched 1,3-glucan *in vitro***

Toshie H. Hida
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PP-02-37 **Influence of *Candida* β-glucan on the hapten-induced contact dermatitis in mice**

Yoshiyuki Adachi
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PP-02-38 **Dectin-1-mediated innate immune response to *Candida albicans* cultured in various conditions**

Futoshi Ikeda
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PP-02-39 **Complement receptors modulate macrophage activation in response to particulate *Candida* β-glucan**

Kosuke Aoki
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PP-02-40 **Comparative study of receptor functions of dectin-1 in rat, mouse and human**

Daiki Sakuraba
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PP-02-41 **Insoluble β-glucan from the cell wall of *Candida albicans* induces immune responses of human keratinocytes through Dectin-1**

Min Li
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PP-02-42 **Effect of dietary oils on host resistance to *Paracoccidioides brasiliensis* infection in mice**

Motoko Oarada
Medical Mycology Research Center, Chiba University, Japan

PP-02-43 **Paracoccidioidomycosis and patients dendritic cells: Influence of *Paracoccidioides brasiliensis* antigen on surface costimulatory molecules expression and cytokines release**

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Department of Infectious and Parasitic Diseases, Faculdade de Medicina da Universidade de Sao Paulo; Laboratory of Immunology, Hospital das Clinicas, Faculdade de Medicina Universidade de Sao Paulo (FMUSP), Brazil

PP-02-44 **Paracoccidioidomycosis infection in the families of patients: Lymphoproliferation to 43 kDa glycoprotein (gp43) of *Paracoccidioides brasiliensis* and epidemiological data**

Maria A Shikanai-Yasuda
Department of Infectious and Parasitic Diseases, Faculdade de Medicina da Universidade de São Paulo; Laboratory of Immunology, Hospital das Clinicas, Faculdade de Medicina da Universidade de São Paulo (FMUSP), Brazil

PP-02-45 **Cytokines profile in the relatives of the patients with paracoccidioidomycosis**

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Department of Infectious and Parasitic Diseases, Faculdade de Medicina da Universidade de São Paulo; Laboratory of Immunology, Hospital das Clinicas, Faculdade de Medicina da Universidade de São Paulo (FMUSP), Brazil

PP-02-46 **Recognition of peptides from *Paracoccidioides brasiliensis* 43 kDa glycoprotein by blood mononuclear cells from patients with different clinical forms of paracoccidioidomycosis**

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Department of Infectious and Parasitic Diseases, Faculdade de Medicina da Universidade de São Paulo; Laboratory of Immunology, Hospital das Clinicas, Faculdade de Medicina da Universidade de São Paulo (FMUSP), Brazil

PP-02-47 **Production and analysis of polyclonal antibodies to *Arthrographis kalrae* soluble antigens with hemolytic activity**

Eiko N Itano
State University of Londrina, Londrina, PR, Brazil

PP-02-48 **Characterization of dendritic cells from bronchoalveolar lavage after experimental infection with *Paracoccidioides brasiliensis***

Suelen Santos
Clinical Analysis, University of Sao Paulo, Brazil

PP-02-49 **IgG-IgE and IgG-gp43 immune complexes in acute and chronic Paracoccidioidomycosis**

Eiko N Itano
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PP-02-50 **Effects of drugs on the extracellular matrix in Paracoccidoiodomycotic granulomas**

Eva Burger
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PP-02-51 **Passive immunization with monoclonal antibody against a 70-kDa putative adhesin of *Sporothrix schenckii* induces protection in murine sporotrichosis**

Rosana C Nascimento
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PP-02-52 **Immunogenic cell wall and exopolysaccharides of *Exophiala spinifera***

Vania A. Vicente
Basic Pathology Department, UFPR- Federal University of Parana,Curitiba, PR, Brazil

PP-02-53 **Immune answer of animals vaccinated against dermatophytosis**

Igor Polyakov
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PP-03 Antifungals

PP-03-1 **Species distribution and in vitro susceptibility of *Candida* bloodstream isolates to six new and current antifungal agents in a Turkish tertiary care military hospital, recovered through 2001 and 2006**

Mehmet A Saracli
Microbiology, Gulhane Military Medical Academy, Turkey

PP-03-2 **In vitro susceptibility testing of the polyene pentamycin and comparison with fluconazole and nystatin**

Walter Buzina
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PP-03-3 **In vitro susceptibility of some essential oils against aspergillius and fusarium isolates**

Emeka I Nweze
Department of Microbilogy, University of Nigeria Nsukka, Nigeria

PP-03-4 **Strain distribution and antifungal susceptibility of Aspergillus at four hospital indoor air in afyon region**

Zafer Cetinkaya
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PP-03-5 **Antifungal resistance of *Candida* tropicalis isolated in the Ceara - Brazil**

Everardo A. Menezes
Analisis Clinic Department, University Federal of Ceará, Brazil

PP-03-6 **Antifungal susceptibility and virulence factors of strains *Candida* spp isolated in Ceará - Brazil**

Everardo A. Menezes
Analisis Clinic Department, University Federal of Ceará, Brazil

PP-03-7 **Decreased susceptibility to miconazole and ketoconazole against *Candida albicans* from APECED patients**

Riina Richardson
Bacteriology and Immunology, University of Helsinki; Oral Maxillofac Dis, Helsinki Univ Hosp; Clin Microbiol, Helsinki Univ Hosp, Finland

PP-03-8 **Antifungal susceptibility of *Candida glabrata* isolates collected during population-based candidemia surveillance in metropolitan Atlanta, GA and Baltimore City and County, MD, 2008**

Shawn R Lockhart
Mycotic Diseases Branch, Centers for Disease Control and Prevention, USA

PP-03-9 **The effects of caspofungin and voriconazole in experimental *Candida* otitis media**

Zafer Cetinkaya
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PP-03-10 **A head-to-head comparison of analytical grade powders against pharmacy preparations for antifungal susceptibility testing**

Annette W Fothergill
Pathology, University of Texas Health Science Center, USA

PP-03-11 **In vitro activity of isavuconazole against Trichosporon**

George R Thompson
Infectious Diseases, University of Texas Health Science Center at San Antonio, USA

PP-03-12 **Successful treatment of sporotrichosis with voriconazole**

Maki Hata
Dermatology, Numazu City Hospital, Japan

PP-03-13 **Susceptibility to anidulafungin and other systemic antifungal drugs of 637 invasive yeast isolates: The GISIA3 study**

Giulia Morace
Sanità pubblica - Microbiologia - Virologia, Università degli Studi di Milano, Italy

PP-03-14 **Combination therapy of micafungin with voriconazole and amphotericin B against *Candida* biofilms**

Yukihiro Kaneko
Department of Bioactive Molecules, National Institute of Infectious Diseases, Japan

PP-03-15 **In vitro synergistic effects of metergoline and antifungal agents against *Candida* krusei**

Kai Kang
Biochemistry, The Chinese University of Hong Kong, China

PP-03-16 **Testing antifungal combinations in diagnostic laboratories - relevance, tool kits and interpretations**

Vishnu Chaturvedi
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PP-03-17 **Clinical isolates of *Aspergillus fumigatus* and *A. niger* from transplant recipients in Japan**

Moe Asano
Veterinary Medicine, Nihon University College of Bioresouse Sciences, Japan

PP-03-18 **Phenotypic and molecular characterisation of drug sensitive and resistant fungal isolates in mycotic keratitis**

Niranjan Nayak
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PP-03-19 **Pramiconazole short dose-regimen in the treatment of pityriasis versicolor**

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PP-03-20 **Antifungal activity of cerumen from normal patients**

Saeid Mahdavi Omran
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PP-03-21 **The multi trial of generic terbinafine-sandoz in toenail onychomycosis**

Yoshihiro Sei
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PP-03-22 **Screening the antifungal activity of some endemic plants used in traditional medicine against dermatophytes by sylinder plate and bio-autography methods**

Kamiar Zomorodian
Medical Mycology and Parasitology, Shiraz University of Medical Sciences, Iran

PP-03-23 **In vitro activities of conventional and new antifungal drugs against *Rhinocladiella mackenziei* an agent of cerebral phaeohyphomycosis**

Jacques F. Meis
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PP-03-24 **In vitro activities of eight antifungal drugs against 70 clinical and environmental isolates of *Alternaria* species**

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PP-03-25 **Rep1p involved in drug resistance by negatively regulating efflux pump MDR1 in *Candida albicans***

Yun-Liang Yang
Biological Science and Technology, National Chiao Tung University, Taiwan

PP-03-26 **Phosphorylation analysis of the *Candida albicans* multidrug transporters Cdr1p and Cdr2p**

Sarah T. Tsao
Department of Biochemistry and Institute for Research in Immunology and Cancer (IRIC), McGill University and Universite de Montreal, Canada

PP-03-27 **Chemical genetic screening to identify new ligand-like inhibitors and their targets in *Candida***

Helene Tournu
Department of Molecular Microbiology, VIB, KU Leuven; KU Leuven, Institute of Botany and Microbiology, Belgium

PP-03-28 **Hsp90 inhibitor preferentially attenuates postnadir resistance to micafungin and tolerance to voriconazole of *Candida albicans***

Yukihiro Kaneko
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PP-03-29 **Morphological study on the antifungal action of voriconazole against *Aspergillus fumigatus***

Yayoi Nishiyama
Teikyo University Institute of Medical Mycology, Japan

PP-03-30 **Posaconazole-resistant Mucor circinelloides as a cause of invasive maxillofacial zygomycosis**

Ziauddin Khan
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PP-03-31 **Mechanisms of azole-resistance in *Candida albicans* isolates from a uterine leiomyosarcoma patient**

Yoshiki Misawa
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PP-03-32 **Mechanism of echinocandin resistance in *Candida albicans***

Kyoko Niimi
Department of Oral Sciences, University of Otago, New Zealand

PP-03-33 **Mechanism of echinocandin resistance in *Candida glabrata***

Kyoko Niimi
Department of Oral Sciences, University of Otago, New Zealand

PP-03-34 **Gain of function mutations in *CgPDR1* of *Candida glabrata* not only mediate antifungal resistance but also enhance virulence**

Selene Ferrari
Institute of Microbiology, University of Lausanne and University Hospital Center, Switzerland

PP-03-35 **Functional dissection of Tac1p, a *Candida albicans* transcription factor involved in antifungal drug resistance**

Alix Coste
Institute of Microbiology, University of Lausanne and University Hospital Center, Switzerland

PP-03-36 **Ketoconazole induced P450 enzyme (CYP1A1) in normal human keratinocytes**

Gaku Tsuji
Dermatology, Kyushu University, Japan

PP-03-37 **Frequency of azole resistance phenotypes in the two most prevalent human pathogenic yeasts *C.albicans* and *C.glabrata***

Oliver Bader
Institute for Medical Microbiology, University Medicine Goettingen, Goettingen, Germany

PP-03-38 **The transcription activator AtrR is involved in azole drug resistance by regulating the expression of ABC transporter genes in *Aspergillus fumigatus***

Ayumi Ohba
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PP-03-39 **Correlation between mutations in the *Aspergillus fumigatus* cyp51 gene and their azole resistance profile**

Eveline Snelders
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PP-03-40 **Overexpression of cyp51A gene and a transposition event in multi-azole resistant clinical isolates of *A. fumigatus***

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PP-03-41 **Factors influencing the permeability of amphotericin B in an *In vitro* blood brain barrier (BBB) model**

Thomas J Walsh
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PP-03-42 **A morphological study of the antifungal action of amphotericin B against *Aspergillus fumigatus***

Yayoi Nishiyama
Teikyo University Institute of Medical Mycology, Japan

PP-03-43 **The post anti-fungal effect (PAFE) of itraconazole: PAFE is an important parameter in anti-fungal drug treatment**

Yoshiaki Kamikawa
Oral Surgery and Oral Medicine, Kagoshima University Hospital, Japan

PP-03-44 **The mechanism of amphotericin B nephrotoxicity and its neutralization by conjugation with arabinogalactan**

Itzhack Polacheck
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PP-03-45 **Efficacy of combination treatment with liposomal amphotericin B (L-AMB) and caspofungin (CS) in murine models of pulmonary vs systemic aspergillosis**

Jon A. Olson
Biological Sciences, Cal Poly Pomona University, USA

PP-03-46 **Improved *in vitro* and *in vivo* efficacy of micafungin (MCFG) against *Aspergillus fumigatus* in combination with posaconazole (POCZ)**

Shinobu Takeda
Infectious Diseases, Pharmacology Research Labs, Astellas Pharma Inc., Japan

PP-03-47 **Efficacy of combination antifungal therapy of micafungin and aerosolized liposomal amphotericin B in murine invasive pulmonary aspergillosis model**

Takahiro Takazono
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PP-03-48 **Evaluation of experimental invasisve pulmonary aspergillosis (IPA) in a non-neutropenic murine model utilizing aerosolized inoculation**

Laura K Najvar
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PP-03-49 **Establishment of novel model of onychomycosis in rabbits for evaluation of antifungal agents**

Tsuyoshi Shimamura
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PP-03-50 **Antifungal activity of luliconazole in a guinea pig seborrheic dermatitis model with *Malassezia restricta***

Yukimi Munechika
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PP-03-51 **The durable effect of luliconazole in a guinea pig tinea pedis model**

Hiroyasu Koga
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PP-03-52 **Evaluation of the rate and extent of anidulafungin and flucoanzole activity against *Candida albicans***

Rosie A Bocanegra
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PP-03-53 **A silkworm model of fungal infections for antifungal screening**

Masahide Tezuka
Department of Life Science, Tokyo Institute of Technology, Japan

PP-03-54 **Antifungal activity of the WSP1267, an inhibitor of the squalene synthase, on *Candida* spp. isolates: Effects on growth, cell cycle and ultrastructure**

Kelly Ishida
Instituto de Biofísica Carlos Chagas Filho, Universidade Federal do Rio de Janeiro, Brazil

PP-03-55 **Antifungal activity of saponin SC-2 from *Solanum chrysotrichum*, an integral study: Clinical vaginal candidiasis and in vitro ultraestructural changes on C. *albicans* and C. *glabrata***

Angeles M. Martinez-Rivera
Microbiology, National School of Biological Sciences, Mexico

PP-03-56 **In vitro activity of a novel propiconazole derivative (MXP 4509) against 110 clinical isolates of *Candida albicans***

Mihai Mares
Department of Microbiology, University Petre Andrei, Iasi; USAMV Ion Ionescu de la Brad, Iasi, Romania

PP-03-57 **In vitro activity of a novel nystatin formulation against Aspergillus and fusarium species**

Margarita Semis
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PP-03-58 **Antifungal activity of propolis from two valleys of the Basque Country (Spain)**

Maria D Moragues
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PP-03-59 **Antifungal activity of alcoholic extracts of *Quercus semen***

Ivica Zurak
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PP-03-60 **Antifungic activity and effects of extracts of medicinal Brazilian plants on *Candida albicans* isolated from oral cavity**

Maria A. Resende
Microbiologia, Universidade Federal de Minas Gerais, Brazil

PP-03-61 **Ultrastructural changes on clinical isolated of *Trichophyton rubrum*, *T. mentagrophytes* and *Microsporum gypseum* caused by *Solanum chrysotrichum saponin* SC-2**

Angeles M. Martinez-Rivera
Microbiology, National School of Biological Sciences, Mexico

PP-03-62 **Activity of novel bispyridinium compounds against a panel of pathogenic yeasts**

Tania C Sorrell
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PP-03-63 **Efficacy of carbohydrate derived fulvic acid against *Aspergillus terreus* and *Candida albicans* in murine models of sepsis**

Peter A Warn
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PP-03-64 **Antifungal activity of PHU-AgNO3 nanocomposites and nanostructured bioactive protein structures doped with silver nanoparticles**

Mihai Danciu
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PP-03-65 **Study the effects of monoterpenes and their related derivatives on the growth of pathogenic yeasts**

Kamiar Zomorodian
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PP-03-66 **Quantitative image analysis of effects of antimycotic agents on the hyphal growth in *Trichophyton rubrum***

Junko Hatta
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PP-03-67 **Antifungal activity of Proxy Acetic Acid (PAA) compounds on a group of fungi (Dermatophyte, Saprophyte) with Invitro method**

Farhad Niknejad
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PP-03-68 **Screening and identification of antifungal metabolites from soil organisms**

Masoomeh Shams-Ghahfarokhi
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PP-03-69 **Voriconazole serum dosage using a modified microbiologic method**

Rene Pelletier
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PP-03-70 **Development of a high pressure liquid chromatography (HPLC) assay for quantitation of posaconazole in human serum**

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PP-03-71 **Intracellular concentrations of antifungals in different compartments of the peripheral blood**

Maria J.G.T. Rueping
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PP-03-72 **Comparative evaluation of ATB FUNGUS 3 procedure and CLSI M27-A2 broth microdilution method for antifungal susceptibility testing of pathogenic yeasts**

Ruoyu Li
Dermatology, Peking University First Hospital, China

PP-03-73 **Microwave irradiation for disinfecting shoe insoles?**

Debby Budihardja
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PP-03-74 **The life cycle of *Nadsonia*: A novel antifungal screen**

Chantel W. Swart
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PP-03-75 **Asci: Indicators of novel antifungals**

Desmond M. Ncango
Microbial, Biochemical and Food Biotechnology, University of the Free State, South Africa

PP-03-76 **Anti-inflammatory drugs selectively target sporangium development in *Mucor***

Ntsoaki J. Leeuw
Microbial, Biochemical and Food Biotechnology, University of the Free State, South Africa

PP-03-77 **Impact of phylogenetic relationship on the outcome of yeast in vitro susceptibility testing**

Arno F. Schmalreck
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PP-03-78 **Garlic extract effects on production of Aflatoxin and on aflR gene expression in *Aspergillus flavus***

Bita Mousavi
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PP-04 Classification and identification

PP-04-1 **Classification and distinction for pathogenic species of *Aspergillus* section *Fumigati***

Takashi Yaguchi
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PP-04-2 **Classification of the pathogenic *Aspergillus* section *Fumigati* and *Neosartorya* based on phyogenetic analysis, and value based on the morophology**

Takashi Yaguchi
Medical Mycology Research Center, Chiba University, Japan

PP-04-3 **Development of rapid and specific molecular discrimination method in the pathogenic *Emericella* species**

Tetsuhiro Matsuzawa
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PP-04-4 **Genetic diversity and species delimitation in the opportunistic genus *Fonsecaea***

Mohammad Javad Najafzadeh
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PP-04-5 **A case of chromoblastomycosis caused by *Fonsecaea pedrosoi* arising in a vietnamese patient living in Japan**

Shigeto Yanagihara
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PP-04-6 **Preliminary identification and typing of pathogenic and toxigenic fusarium species based on restriction digestion of ITS1-5.8S rDNA-ITS2 region**

Hossein Mirhendi
Tehran University of Medical Sciences; Hamedan University of Medical Sciences, Iran

PP-04-7 ***Arthroderma vanbreuseghemii* is a synonym of *A. simii***

Masako Kawasaki
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PP-04-8 **Mating among three teleomorphs of *Trichophyton mentagrophytes***

Masako Kawasaki
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PP-04-9 **Dermafinder: A new approach for fast and sensitive detection of dermatophyte skin infections**

Rolf J. Boesten
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PP-04-10 **Caves as potential habitats for pathogenic fungi in Nigeria**

Emeka I Nweze
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PP-04-11 **A new species of genus *Ochroconis* closely related to O. gallopava isolated from a hot spring effluent**

Kyoko Yarita
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PP-04-12 **Molecular characterisation of the *Madurella grisea* complex reveals at least three new taxa associated with human mycetomas**

Andrew M Borman
Health Protection Agency Mycology Reference Laboratory, Bristol, UK

PP-04-13 **Phylogenetic position of human isolates of *Basidiobolus* analysed from rRNA gene sequences and from growth response to the elevated temperatures**

Kenji Tanaka
Department of Biotechnology, Biological Resource Center, National Institute of Technology and Evaluation, Japan

PP-04-14 **A putative new species in the *Sporothrix schenckii* complex and new records of Sporothrix species from Australia**

Hugo Madrid
Microbiology, Universitat Rovira i Virgili, IISPV, Spain

PP-04-15 **Barcoding of the therapy-refractory species of *Pseudallescheria* and *Scedosporium***

Sybren de Hoog
Centralbureau voor Schimmelcultures Fungal Biodiversity Centre, The Netherlands

PP-04-16 **Phylogeny of *Ochroconis* and *Scolecobasidium***

K. Samerpitak
Department of Microbiology, Faculty of Medicine, KhonKaen University, Thailand

PP-04-17 **Intraspecies variability in Greek clinical *Scedosporium* isolates, molecularly typed by multilocus PCR-fingerprinting**

Aristea Velegraki
Mycology Laboratory, Medical School, University of Athens, Athens, Greece; Centraalbureau voor Schimmelcultures (CBS), Utrecht, The Netherlands

PP-04-18 **Benefit and difficulties of ITS barcoding in medical fungi - a comparison of datasets belonging to three fungal classes: Zygomycota (Mucorales), Ascomycota (Onygenales, Arthrodermataceae - dermatophytes), and Basidiomycota (Agaricales, Psathyrellaceae - *Hormographiella*)**

Grit Walther
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PP-04-19 **Prevalence of pathogenic zygomycetes in the United States**

Eduardo Alvarez
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PP-04-20 **Molecular identification and antifungal susceptibility of the *Stephanoascus ciferrii* complex**

Takashi Mikawa
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PP-04-21 **Molecular phylogeny of *Hormographiella*-like fungi from clinical and environmental sources, and associated teleomorphic basidiomycete fungi**

Takashi Mikawa
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PP-04-22 **Multilocus microsatellite analysis in *Cryptococcus neoformans* var. *grubii* from 12 different countries**

Tohru Gonoi
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PP-04-23 **Phylogenetic relationship of pythium insidiosum isolates from Thailand and around the world**

Angkana Chaiprasert
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PP-04-24 **CHROM-Pal medium for *Primary isolation* and identification of *Candida dubliniensis* in oral samples from HIV positive patients**

Maria D Moragues
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PP-04-25 ***Candida dubliniensis* identification in Venezuela**

Maria A de la Parte-Pérez
Escuela de Enfermerria, Universidad Central de Venezuela, Venezuela

PP-04-26 **Prevalence of *Candida dubliniensis* and *C. dubliniensis* screening using the germ tube test in clinical yeast isolates in Korea**

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Department of Laboratory Medicine, Chung-Ang University College of Medicine, Seoul, Korea

PP-04-27 **Prevalence, phenotypic identification, and antimycotic susceptibility of *Candida dubliniensis* from fecal samples of outpatients in Thuringia/Germany**

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Department of Bacteriology, Mycology, Parasitology, Thuringian State Authority for Food Safety (TLLV); Dep Mycology, Bad Langensalza, Germany

PP-04-28 **CandIDazol 2008 - 2011: Innovative diagnostics for the rapid identification of *Candida* yeasts**

Rolf J. Boesten
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PP-04-29 **Evaluation of pyrosequencing to identify *Candida* to the species level**

Nathan P Wiederhold
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PP-04-30 **Prevalence, identification of *Candida* species, and risk factors of vulvovaginal candidosis among female sex workers in Yogyakarta, Indonesia**

Eliza Miranda
Dermatovenereology, Faculty of Medicine University of Indonesia Cipto Mangunkusumo Hospital, Indonesia

PP-04-31 **Application of CHROMagar *Candida* with blood agar for presumptive identification of five major medically important *Candida* species**

Ken Kikuchi
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PP-04-32 **Genotypic heterogeneity within *Candida orthopsilosis* strains identified among clinical *Candida parapsilosis*-complex isolates in Kuwait**

Suhail Ahmad
Microbiology, Kuwait University, Kuwait

PP-04-33 **A rapid pigmentation test for identifcation of *Cryptococcus neoformans***

Natteewan Poonwan
Department of Medical Sciences, National Institute of Health, Thailand

PP-04-34 **Mating-, sero- and genotype diversity of clinical *Cryptococcus neoformans* strains in a tertiary hospital in Madrid, Spain**

Ferry Hagen
Yeast Research, CBS Fungal Biodiversity Centre, The Netherlands

PP-04-35 **Genotypic and phenotypic characterization of serotype B, molecular type VGII, clinical *Cryptococcus gattii* isolates from Cúcuta, Colombia, and their comparison to the Vancouver Island outbreak isolates**

Wieland Meyer
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PP-04-36 **Comparison between microscopy, culture, and two different PCR-methods for the detection of dermatophytes directly from clinical specimens**

Yvonne Graser
Parasitologie, Institute of Microbiology and Hygiene (Charite), Germany

PP-04-37 **Molecular identification and susceptibility of *Trichosporon* species isolated from clinical specimens: Isolation of *Trichosporon dohaense* sp. nov**

Saad J. Taj-Aldeen
Laboratory Medicine and Pathology, Microbiology Division, Hamad Medical Corporation, Doha, Qatar

PP-04-38 **Identification of pathogenic yeasts species based on PCR-fragment size polymorphism (PCR-FSP) by using normal agarose gel electrophoresis**

Hossein Mirhendi
Tehran University of Medical Sciences, Iran; Teikyo University Institute of Medical Mycology, Japan

PP-04-39 **A new species of the genus *Malassezia* based on the sequence analysis of 26S (D1/D2) and internal transcribed spacer 1 in ribosomal DNA**

Hossein Mirhendi
Tehran University of Medical Sciences; Islamic Azad University, Iran

PP-04-40 **Comparison of nested PCR and RFLP of *Malassezia* yeasts from healthy human skin**

Yangwon Lee
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PP-04-41 **Poor performance of routine laboratory techniques for the identification of lipophilic yeast of the genus *Malassezia* Baillon**

Macit M Ilkit
Department of Microbiology, Faculty of Medicine, University of Cukurova, Turkey

PP-04-42 **Mucin 2 phenylethanol selective agar in mycology**

Ivica Zurak
Microbiology, Hospital/University, Kosorova 13, Zagreb, Croatia (Hrvatska)

PP-04-43 **A newly pathogen of protothecosis as a novel achlorophyllic alga isolated from the inflamed skin caused by protothecosis**

Kazuo Satoh
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PP-04-44 **Connoisseur's delight -what a fungal surprise!**

Anupma J. Kindo
Department of Microbiology, Sri Ramachandra University, India

PP-04-45 **Fungi culture collections at the Centro Venezolano de Colecciones de Microorganismos (CVCM)**

Maria M Panizo
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PP-04-46 **ClinicalSurveys.net - a web-based research portal for rare infectious diseases**

Joerg J. Vehreschild
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PP-04-47 **Rapid identification and diagnosis of *A. fumigatus* and Aspergillosis**

Li Wang
Department of Pathogenobiology, Norman Bethune Medical School, Jilin University, China

PP-04-48 **Identification of *Aspergillus* section *Nigri* by Cyt *b* gene, rDNA and morphology**

Koji Yokoyama
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PP-05 Mycotoxin and environmental fungi

PP-05-1 **Composting piles as an emission source of *Aspergillus* spores**

Hossein Mirhendi
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PP-05-2 **Occurrence of aflatoxin M_1 in dairy products in Southern Italy: Results of a screening program**

Maria Teresa Montagna
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PP-05-3 ***Aspergillus* spp and building yards in hospital: A possible correlation?**

Michele Camporeale
Prevenzione e Protezione, University Hospital Policlinico of Bari, Italy

PP-05-4 **Allergic rhinitis in office worker and airborne fungi in a building with Heating, Ventilation, and Air Conditioning system**

Ariya Chindamporn
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PP-05-5 **Development of analyzing system for microbial flora on board International Space Station and astronauts**

Koichi Makimura
Department of Molecular Biology and Gene Diagnosis, Teikyo University Institute of Medical Mycology, Japan

PP-05-6 **Toxicity of indoor moulds**

Elena Pieckova
Slovak Medical University, Bratislava, Slovak Republic

PP-05-7 **Comparative performance of two air samplers and mycological media for quantification of fungal aerocontamination in a poultry facility**

Jacques Guillot
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PP-05-8 **Year to year screening of airborne fungi in hotel environments**

Stjepan Pepeljnjak
Microbiology, Faculty of Pharmacy and Biochemistry, University of Zagreb, Croatia (Hrvatska)

PP-05-9 **Professional exposure to airborne fungi in industrial environments-a pilot study**

Stjepan Pepeljnjak
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PP-05-10 **Two cases of allergic bronchopulmonary mycosis caused by *Schizophyllum commune***

Hiroaki Oka
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PP-05-11 **Early identification of ochratoxin A-producing species using an electronic nose**

F. Javier Cabanes
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PP-05-12 **Ochratoxin A producing species of the genus *Penicillium* in retail wheat flours and feedstuffs from the Spanish market**

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PP-05-13 **Isolation and identification of aflatoxin-production inhibitory bacteria from soil samples of Pistachio orchards, Damghan-Iran**

Mehdi Razzaghi-Abyaneh
Department of Mycology, Pasteur Institute of Iran, Iran

PP-06 Superficial mycoses

PP-06-1 **Usefulness of PCR-Elisa assay for detection of *Trichophyton rubrum*, *Trichophyton interdigitale*, *Epidermophyton floccosum* and *Microsporum canis* in skin scrapings and nails in routine laboratory diagnostics**

Pietro Nenoff
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PP-06-2 ***Trichophyton rubrum* detection in scales and nails by use of conventional methods and polymerase chain reaction (PCR)**

Jochen Brasch
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PP-06-3 **Enhanced gene replacements in Ku80 disruption mutants of the dermatophyte, Trichophyton mentagrophytes**

Tsuyoshi Yamada
Teikyo University Institute of Medical Mycology, Japan

PP-06-4 **A chromogenic substrate made of pulverized human nails to study the proteolytic activity of *Trichophyton rubrum***

Claudia ML Maffei
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PP-06-5 **The microbiome of human skin infections**

Ana C Gomes
Genomics Unit, Biocant / University of Aveiro, Portugal

PP-06-6 **2006 epidemiological survey of dermatomycoses in Japan**

Yoshihiro Sei
Mizonokuchi Hospital, Teikyo University School of Medicine, Japan

PP-06-7 **Dermatophytoses for the past fourty years at one clinic in the northeast Japan. Tagajo, Miyagi, Japan**

Tatsuya Kasai
Kasai Dermatological Clinic, Japan

PP-06-8 **The most common dermatological disease in home medical care: Fungal infection**

Akio Taneda
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PP-06-9 **Survey of keratinophilic fungi isolated from city park soils of Gorgan, Iran**

Farhad Niknejad
Medical Parasitology & Mycology, Golestan Medical Science University, Iran

PP-06-10 **Genotyping study of *Trichophyton schoenleinii* and *Microsporum canis* isolated from tinea capitis in Xinjiang province, west China**

Paride Abliz
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PP-06-11 **Tinea capitis cases appearing in a Kumamoto clinic over a 5-year period**

Hiromitsu Noguchi
Noguchi Dermatological Clinic, Japan

PP-06-12 **Adult tinea capitis in Taiwan**

Pei-Lun Sun
Department of Dermatology, Mackay Memorial Hospital, Taipei, Taiwan

PP-06-13 **Success of posaconazole in the treatment of tinea capitis profunda caused by *Trichophyton verrucosum*: A case report**

Nadezda Mallatova
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PP-06-14 **Chronically recurrent and disseminated tinea faciei/corporis; autoinoculation from asymptomatic tinea capitis carriage**

Yasuhiro Kawachi
Dermatology, University of Tsukuba, Japan

PP-06-15 **Molecular epidemiology of *Trichophyton tonsurans* isolated in Japan between 2006 to 2008**

Takashi Mochizuki
Department of Dermatology, Kanazawa Medical University, Japan

PP-06-16 **Screening examination and treatment of T. tonsurans infection in judo athletes affiliated with the University Judo Federation of Tokyo**

Nobuyoshi Hirose
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PP-06-17 **The spread of *Trichophyton tonsurans* epidemic among the team members of body contact sports and their families**

Mariko Seishima
Department of Dermatology, Ogaki Municipal Hospital, Japan

PP-06-18 **Tinea barbae caused by *Microsporum canis***

Hiroshi Tanabe
Dermatology, Kanazawa Medical University, Japan

PP-06-19 **A case of Tinea barbae due to *Trichophyton rubrm* with dermoscopic findings**

Tomotaka Sato
Department of Dermatology, National Hospital Organization Tokyo Medical Center; Department of Dermatology, Keio University School of Medicine, Japan

PP-06-20 **First case of tinea corporis by Microsporum Gallinae in Japan**

Hiitona Miyasato
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PP-06-21 **Clinical correlation between human dermatophytosis and animal exposure**

Sumanas Bunyaratavej
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PP-06-22 **An endemic cross-infection between humans and cats and a non-endemic human infection caused by *Arthroderma vanbreuseghemii* and molecular epidemiology**

Yoko Takahashi
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PP-06-23 **The problem of tinea pedis and tinea manum in adults in a rural area of Eskisehir City and therapy approaches**

Nuri Kiraz
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PP-06-24 **Tinea pedis and tinea unguium in patients with depression**

Masaaki Kawai
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PP-06-25 **Histopathological study on the experimental onychmycosis in rabbit**

Taku Suzuki
Dermatology, Toho Medical Center Ohashi Hospital, Japan

PP-06-26 **Fungal identification in onychomycosis**

Michel Monod
Department of Dermatology, CHUV, Switzerland

PP-06-27 **Identification, antifungal susceptibility and scanning electron microscopy of a keratinolytic strain of Rhodotorula mucilaginosa: A primary causative agent of onychomycosis**

Sonia Rozental
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PP-06-28 **Onychomycosis in Tehran**

Jamal Hashemi
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PP-06-29 **Reduction rates of involved area in onychomycosis patients receiving anti-fungal agents**

Takehiko Kaneko
Dermatology, The Fraternity Memorial Hospital, Japan

PP-06-30 **Cure rate, duration required for complete cure and recurrence rate in onychomycosis according to clinical factors**

Hee Joon Yu
Dermatology, Hanyang University Guri Hospital, Hanyang University College of Medicine, Guri, Korea

PP-06-31 **Detection of dermatophytes and nondermatophytes from onychomycosis patients after systemic antifungal treatment: Evaluation of cure by nested PCR**

Mayuko Muro
Department of Dermatology, Tokyo Medical University, Japan

PP-06-32 **Onychomycosis caused by *Phaeoacremonium parasiticum***

Pei-Lun Sun
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PP-06-33 **Onychomycosis due to *Candida* parapsilosis: Four cases in patients with autoimmune disorder**

Akiko Arakawa
Department of Dermatology, Kyoto University, Japan

PP-06-34 **Prevalence of candidia species in onychomycosis is patients refer to dermatological clinic in Northern Iran (Tonekabon)**

Ayat A Nasrollahi Omran
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PP-06-35 **A case of nail Candidiasis due to *Candida* parapsilosis, successfully treated with 3 cycles of itraconazole pulse therapy**

Ken Iozumi
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PP-06-36 ***Aspergillus ochraceopetaliformis* as a cause of onychomycosis**

Jochen Brasch
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PP-06-37 **Emericella stella-maris, a new opportunist involved in onychomycosis?**

Maria Drogari-Apiranthitou
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PP-06-38 ***Fusarium* paronychia sine paronychia**

Henry Harak
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PP-06-39 ***Onychocola canadensis* onychomycosis: Report of 23 new cases from France**

Genevieve Buot
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PP-06-40 ***Candida albicans* abrogates the expression of interferon-γ-inducible protein-10 in human keratinocytes**

Yumi Shiraki
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PP-06-41 **Utility of oligonucleotide microarrays investigating the interaction of host and *Candida albicans* in vulvovaginal candidiasis**

Xiaodong She
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PP-06-42 **Molecular study of *Candida* species isolated from candidial stomatitis and thier related predisposing factors in patients using complete dental implants**

Kamiar Zomorodian
Medical Mycology and Parasitology, Shiraz University of Medical Sciences, Iran

PP-06-43 **Recent incidence of *Candida* spp. oral disease, colonization and fluconazole resistance in HIV/AIDS patients using microbiological and molecular detection methods**

William R. Kirkpatrick
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PP-06-44 **Microevolution of *Candida albicans* in chronic oral mucocutaneous candidosis of APECED patients**

Emilia Siikala
Department of Bacteriology and Immunology, University of Helsinki, Haartman Institute; Institute of Microbiology, University Hospital Lausanne, Finland

PP-06-45 **First isolation and identification of Trichosporon inkin colonized in vagina in China**

Xuelian Lu
Mycology, Institute of Dermatology, CAMS & PUMC, China

PP-06-46 **Thymic stromal lymphopoietin secretion from human keratinocytes during exposure to *Malassezia* species**

Kazuya Sugawara
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PP-06-47 **Evaluation of a simple method for isolation of genomic DNA from *Malassezia* species**

Banu Sancak
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PP-06-48 **Problems in diagnosing *Malassezia* folliculitis**

Sandra Widaty
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PP-06-49 **Filamentous hyphal form of *Malassezia* spp. found in some erythematous lesions of seborrheic areas of skin**

Sumiko Ishizaki
Dermatology, Tokyo Women's Medical University Medical Center East, Japan

PP-06-50 **Identification of *Malassezia* species isolated from patients with seborrhoeic dermatitis, atopic dermatitis, Tehran, Iran**

Jamal Hashemi
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PP-06-51 **Identification of *Malassezia* species isolated from Iranian seborrhoeic dermatitis patients**

Mohammad T. Hedayati
Dept. of Medical Mycology and Parasitology, Mazandaran University of Medical Sciences, Iran

PP-06-52 ***Malassezia* microbiota and specific IgE antibody production in patients with atopic dermatitis**

Mayumi Miyamoto
Department of Dermatology, Tokyo Medical University, Japan

PP-06-53 **Identification of the major allergen of *Malassezia globosa* relevant for atopic dermatitis**

Yoshio Ishibashi
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PP-06-54 **Evaluation of specific IgG and IgA levels against *Malassezia* species in sera of patients with atopic dermatitis**

Hiroshi Kato
Department of Immunobiology, Meiji Pharmaceutical University, Japan

PP-06-55 **Characterization of melanogenesis in fungal skin infections**

Sirida Youngchim
Microbiology, Faculty of Medicine, Chiang Mai University, Thailand

PP-06-56 **Two phase itraconazole treatment of atopic dermatitis**

Makiko Takechi
Tsuchibashi Shinryosho (Clinic), Japan

PP-06-57 **Morphological and physiological characterization of *Sporothrix schenckii***

Maria L. Scroferneker
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PP-06-58 ***Sporothrix globosa*: Is the only newly described Sporothrix species causing human infections in India?**

Shivaprakash M Rudramurthy
Medical Microbiology, PGIMER, Chandigarh, India

PP-06-59 **Sabouraud dextrose broth for in vitro evaluation of the sensitivity of *Sporothrix schenckii* to antifungal agents**

Maria L. Scroferneker
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PP-06-60 **A case of lymphangitic sporotrichosis developing under the Nail**

Mariko Hattori
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PP-06-61 **Case report. Sporotrichosis successfully treated with oral itraconazole**

Maki Hamano
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PP-06-62 **Sporotrichosis in pregnancy: Report of four cases of a zoonotic outbreak in Rio de Janeiro, Brazil**

Leila M Lopes-Bezerra
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PP-06-63 **Survey of 157 sporotrichosis cases examined in Nagasaki prefecture between 1951 and 2008**

Asako Ogawa
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PP-06-64 **Purifying selection in Exophiala dermatitidis leads to adaptation to the human environment**

Montarop Sudhadham
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PP-06-65 **Isolation of black yeast in endemic areas of lethargic crab disease (LCD)**

Vania A. Vicente
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PP-06-66 **Antifungal activity of different pterocaulon alopecuroides extracts on fonsecaea pedrosoi**

Maria L. Scroferneker
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PP-06-67 **Susceptibility of fonsecaea pedrosoi to propolis and analysis of correlation with the phytochemical profile**

Maria L. Scroferneker
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PP-06-68 **A case of chronic chromoblastomycosis treated with a combination of voriconazole and local heat therapy**

Yoko Suzuki
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PP-06-69 **A chronic chromoblastomycosis model by *Fonsecaea monophora* in Wistar rat**

Liyan Xi
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PP-06-70 **Two cases of subcutaneous phaeohyphomycosis due to unidentified fungi in immunocompromised hosts**

Miwa Kobayashi
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PP-06-71 **The cases of subcutaneous phaeohyphomycosis**

Masayo Nomura
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PP-06-72 **Chromoblastomycosis and subcutaneous phaeohyphomycosis caused by *Exophiala bergeri* and *E. xenobiotica* in immuno-compromised patients**

Mari Iwasawa
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PP-06-73 **Mycetoma due to a novel species of *Pleurostomophora* in an indigenous woman from the Kimberley region of Western Australia**

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PP-06-74 **A case of Actinomycetic mycetoma**

Norihiro Ikoma
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PP-06-75 **Study of 62 cases of mycetoma in Iran**

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PP-06-76 **Protothecosis in Japan. Literature review of Japanese cases**

Hideki Miyagi
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PP-06-77 **Cutaneous protothecosis and review of Chinese reports**

Ze-Hu Liu
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PP-06-78 **A case of cutaneous *Pseudallescheria boydii* infection**

Yumiko Hagiya
Dermatology, Yamaguchi University Graduate School of Medicine, Japan

PP-06-79 ***Paecilomyces lilacinus* cutaneous infection in a case of Rheumatoid arthritis treated with oral voriconazole and topical Mycostatin solution**

Hsiang-Kuang Tseng
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PP-06-80 **Soft tissue infection caused by the coelomycetous fungus microsphaeropsis arundinis**

Thamara Wijesuriya
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PP-06-81 **Primary cutaneous zygomycosis due to *Absidia corymbifera* in a patient with cutaneous T cell lymphoma**

Ze-Hu Liu
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PP-06-82 **Primary cutaneous zygomycosis caused by rhizomucor variabilis: A new endemic zygomycosis? Cases report and overview of 7 cases reported in China**

Xuelian Lu
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PP-06-83 **Rhinofacial entomophthoromycosis due to *Conidiobolus coronatus* - a case report from north-India and an overview**

Anuradha Chowdhary
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PP-06-84 **Chaetothyriales associated with leafcutter ants: Opportunistic species**

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PP-06-85 **Repeated isolations of *Scedosporium apiospermum* from skin of manatees (*Trichechus manatus*)**

Keiichi Ueda
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PP-06-86 **Rapid detection of fungal keratitis using DNA stabilizing FTA^R filter paper**

Philipp P. Bosshard
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PP-06-87 **Fungal etiology in eye specimens submitted to clinical mycology laboratory from January 1998 through September 2008 in a turkish tertiary-Care Military Hospital**

Sinasi T Yildiran
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PP-06-88 **Fungal keratitis associated with contact lens wear**

Mohammad Javad Najafzadeh
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PP-06-89 **Fungal endophthalmitis caused by *Emericella nidulans* in a patient following cataract surgery**

Sinasi T Yildiran
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PP-06-90 **Expanded evaluations of contact lens cleansing solutions reveals impaired fungicidal activities against *Fusarium solani* and *Fusarium oxysporum***

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PP-07 Systemic mycoses

PP-07-1 **Epidemiology and in vitro susceptibility of yeasts isolated from cardiovascular patients in Iasi, Romania during a 7-year period**

Mihai Danciu
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PP-07-2 **Fungal peritonitis in chronic ambulatory peritoneal dialysis patients-A 7 year study in a tertiary care center in South India**

Anupma J. Kindo
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PP-07-3 **Prevalence of fungal rhinosinusitis in Delhi / New Delhi metropolitan area- A mycoserologic, histopathologic and clinical study**

Anuradha Chowdhary
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PP-07-4 **(1→3)-β-D-Glucan assay for the diagnosis of invasive fungal infections: Review of the literature**

Minoru Yoshida
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PP-07-5 **Recent trends in fungal isolation from clinical specimens of blood culture and central venous catheter**

Shigemi Kondo
Laboratory Medicine, Juntendo University School of Medicine, Japan

PP-07-6 **Development and application of *in situ* hybridization with peptide nucleic acid probes on tissue sections for histological diagnosis of invasive fungal infections**

Minoru Shinozaki
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PP-07-7 **Primary exploration of two-round PCR on the rapid molecular diagnosis of clinical fungal infection specimens**

Xuelian Lu
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PP-07-8 **How different is Neosartorya udagawae from *Aspergillus fumigatus* ?**

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PP-07-9 **Fatal central nervous system *Aspergillus granulosus* in a lung transplant recipient**

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PP-07-10 **Underlying disease frequency in patients with chronic pulmonary aspergillosis**

Nicola L Smith
Translational Medicine (Respiratory), University of Manchester, UK

PP-07-11 **Invasive oro-facial fungal infections in patients with hematological malignancies: Report of 27 cases due to Aspergillus and non-Aspergillus species**

Yoshinari Myoken
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PP-07-12 **Pathophysiological study of chronic necrotizing pulmonary aspergillosis associated with sequelae of tuberculosis**

Keishi Sugino
Respiratory Medicine, Toho University Omori Medical Center, Japan

PP-07-13 **Utility of mass spectrometry for studies of invasive pulmonary aspergillosis in the rat**

Jacques Chandenier
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PP-07-14 **The utility of Aspergillus galactomannan assay (GM EIA) for monitoring pediatric allogeneic bone marrow transplant (BMT) patients**

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PP-07-15 **Evaluation of an in situ imagery technique for the follow up of an experimental aspergillosis in chickens (Gallus gallus)**

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PP-07-16 **High resolution typing of *Aspergillus fumigatus* by multi locus VNTR analysis (MLVA)**

Jacques Guillot
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PP-07-17 **Iron chelator Deferasirox (Exjade®) alone or in combination with lipid formulations of amphotericin B (AmB) is effective in treatment of murine invasive pulmonary aspergillosis**

Ashraf S. Ibrahim
Medicine, David Geffen School of Medicine at UCLA, USA

PP-07-18 **Presumptive therapy for persistent febrile neutropenia in onco-hematological patients**

Yumiko Obata
Clinical Oncology, Hematology and Infectious Diseases, Fukuoka University Hospital, Japan

PP-07-19 **Exogenous *Aspergillus fumigatus* endophtalmitits**

Hsiang-Kuang Tseng
Institue of Clinical Medicine, National Yang-Ming University; Mackay Memorial Hospital, Taiwan

PP-07-20 **Gene expression in *Candida albicans* fatty acid desaturase null mutant**

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PP-07-21 **First report of *Candida nivariensis* pneumonia in a HIV infected patient in India**

Anuradha Chowdhary
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PP-07-22 **Karyotype differences of the Czech and Japanese *Candida glabrata* bloodstream isolates**

Petr Hamal
Department of Microbiology, Faculty of Medicine, Palacky University, Czech Republic

PP-07-23 **Molecular relatedness based on the analysis of the ribosomal R NA of *Candida albicans* isolated from patients hospitalized in eight medical centers in Brazil. A practical method to evaluate molecular epidemiology**

Maria L Moretti
Internal Medicine, State University of Campinas, Brazil

PP-07-24 **Micro-CT analysis of experimental *Candida* osteoarthritis**

Kenjirou Nakamura
Advanced Research Center, Nippon Dental University, Japan

PP-07-25 **Epidemiologic analysis and antifungal susceptibility of candidemia at four hospitals in Belo Horizonte, Brazil**

Maria A. Resende
Microbiologia, Universidade Federal de Minas Gerais, Brazil

PP-07-26 **Prevalence of *Candida* dubliniensis among cancer patients in Kuwait**

Eiman MA Mokaddas
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PP-07-27 **Pattern of *Candida* colonisation and invasive Candidiasis in the ICU**

Anna F Lau
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PP-07-28 **Presence of *Candida* spp. at the peg-and-socket articulation (gomphosis) in patients with periodontal disease: The diabetes as a risk factor**

Christian Napoli
Department of Biomedical Science and Human Oncology, University of Bari, Italy

PP-07-29 **Nosocomial *Candida* in intensive care unit (ICU): Epidemiology, transmission and prevention**

Ayat A Nasrollahi Omran
Medical Mycology, Islamic Azad University of Tonekabon Branch, Iran

PP-07-30 **A retrospective molecular screening for *Candida* orthopsilosis and C. metapsilosis among Danish C. parapsilosis blood isolates**

Hossein Mirhendi
Tehran University of Medical Sciences, Iran; Unit of Mycology and Parasitology, Statens Serum Institut, Copenhagen, Denmark

PP-07-31 **Mixed fungal colonization in non-surgical intensive-care patients**

Andreas Gloeckner
NRZ Greifswald, Germany

PP-07-32 **Recent experience with fungemia: Change in species distribution and azoles resistance and its correlation with outcome**

Arunaloke Chakrabarti
Medical Microbiology, PGIMER, Chandigarh, India

PP-07-33 **Candidaemia with uncommon *Candida* species in Australia: Predisposing factors, outcome, antifungal susceptibility and implications for management**

Sharon C Chen
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PP-07-34 **Retrospective analysis of diagnosis, management, and outcome of candidemia in non-neutropenic patients**

Reinhard Kappe
Institute of Medical Laboratory Diagnostics and Microbiology, Suedharz Hospital gGmbH, Nordhausen, Germany

PP-07-35 **The distribution of species and susceptibility of amphotericin B and fluconazole of yeast pathogens causing invasive infections in Taiwan**

Hsiu-Jung Lo
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PP-07-36 **Epidemiology and sensitivity profile of *Candida* strains from invasive infections in a tertiary hospital in Greece**

Maria Drogari-Apiranthitou
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PP-07-37 **Antifungal susceptibility testing and genomic DNA profiles of *Candida* isolates from oral cavity in AIDS patients under prolonged antiretroviral therapy**

Maria L Moretti
Internal Medicine, State University of Campinas, Brazil

PP-07-38 **Histopathological study of central nervous system candidiasis**

Haruo Nakayama
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PP-07-39 **Disseminated trichosporonosis caused by *Trichosporon* species in patients with hematological malignancies: A retrospective multicenter study from Japan**

Hisako Kushima
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PP-07-40 **Clinical, epidemiological and evolutive features of 77 patients with cryptococcocal meningitis in Uberaba, Minas Gerais, Brazil**

Mario L Silva-Vergara
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PP-07-41 **Ecological niche of Cryptococcus neoformans species complex in the soils of Betul, a city of central India**

Alka Pandey
BOTANY, J.H.Govt.P.G.College, Betul(M.P.), India

PP-07-42 **Molecular epidemiology of Cryptococcus neoformans in Taiwan**

Hsiang-Kuang Tseng
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PP-07-43 **Cryptococcosis in Saint Petersburg, Russia, 1990-2008**

Natalia V. Vasilyeva
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PP-07-44 **The occurrence of the primary pathogenic yeast *Cryptococcus gattii* in Europe**

Ferry Hagen
Yeast Research, CBS Fungal Biodiversity Centre, The Netherlands

PP-07-45 **Antifungal susceptibility profile and molecular typing of *Cryptococcus neoformans* and *Cryptococcus gattii* isolates from India**

Harbans Singh Randhawa
Medical Mycology, Vallabhbhai Patel Chest Institute, Delhi, India

PP-07-46 **A case of cryptococcal meningitis of which morphological examination on yeasts in cytological specimen was useful for accurate assessment for antifungal chemotherapy**

Yoko Miyake
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PP-07-47 ***Cryptococcus gattii* meningoencephalitis in an immunocompetent person 13 months after exposure**

Philipp P. Bosshard
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PP-07-48 **A fatal case of blastomycotic meningoencephalitis with neutrophilic pleocytosis in an immunocompetent patient**

Tze Shien Lo
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PP-07-49 **Cross-reaction of *Blastomyces dermatitidis* accuprobe test with *Chrysosporium carmichaelii***

Patricia L. Kammeyer
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PP-07-50 **Pulmonary cavity co-existence of hyphae and spherules in coccidiomycosis patients**

Angeles M. Martinez-Rivera
Microbiology, National School of Biological Sciences, Mexico

PP-07-51 **Increase in Non-Aspergillus mold infections in recipients of allogeneic bone marrow transplantation (BMT) at Memorial Sloan-Kettering Cancer Center (MSKCC)**

Carlos M. Jaramillo Hoyos
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PP-07-52 **An experience of zygomycosis in a tertiary care centre in North India**

Rungmei S K Marak
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PP-07-53 **Species-dependent differences in virulence in experimental pulmonary mucormycosis are related to sporangiospore germination, hyphal metabolism, and circulating molecular biomarker levels**

Thomas J Walsh
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PP-07-54 **Cutaneous Cunninghamella sp. infection and suspect lung infection in AML**

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PP-07-55 **Absidia corymbifera infections in leukemia patients: Two cases report in China**

Jin Yu
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PP-07-56 ***Cunninghamella bertholetiae*** **(Cb) angioinvasive pulmonary infection in a patient with acute lymphoblastic leukemia (ALL)**

Edna Bash
Microbiology Lab, Tel Aviv Sourasky and Rambam Medical Centers, Israel

PP-07-57 **A significantly emergent clinical entity as primary cutaneous A A significantly emergent clinical entity as primary cutaneous zygomycosis in tertiaty care health services**

Jagdish Chander
Education Research Centre, Regional Mycology Laboratory, UK

PP-07-58 **Cerebral phaeohyphomycosis due to *Rhinocladiella mackenziei* (formerly *Ramichloridium mackenziei*)**

Saad J. Taj-Aldeen
Laboratory Medicine and Pathology, Microbiology Division, Hamad Medical Corporation, Doha, Qatar

PP-07-59 **Dematiaceous moulds - Emerging pathogens in the pediatric oncology population**

Gabriela M Maron
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PP-07-60 **Validation and clinical application of a molecular method for the identification of histoplasma capsulatum in human specimens**

Beatriz L. Gomez
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PP-07-61 **Development and evaluation of an assay to detect *Histoplasma capsulatum* antigenuria: A diagnostic test needed in resource-limited settings**

Beatriz L. Gomez
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PP-07-62 **Histoplasmosis in two French university hospitals**

Michel Develoux
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PP-07-63 **IgG to *Histoplasma capsulatum* high MM antigens (hMMAgs) and IgG-hMMAgs immunecomplex in experimental histoplasmosis in mice**

Eiko N Itano
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PP-07-64 **The utility of recombinant proteins of H and M antigens of *Histoplasma capsulatum* in the detection of specific antibodies in patients' sera**

Takahito Toyotome
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PP-07-65 **Molecular characterization of two isolates of *Histoplasma capsulatum* from an outbreak in treasure hunters**

Angeles M. Martinez-Rivera
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PP-07-66 **Characterization of potential virulence factors of *Penicillium marneffei* under oxidative stress condition inside murine macrophage**

Sophit Thirach
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PP-07-67 **An endemic foci of Penicilliosis marneffei in India**

Ranjana Devi Khuraijam
Microbiology, Regional Institute of Medical Sciences, India

PP-07-68 **Interaction of *Penicillium marneffei* with soil amoeba as a model of fungal pathogenesis**

Sirida Youngchim
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PP-07-69 **Pulmonary involvement by Pseudallescheria/Scedosporium: An overview**

Serda A. Kantarcioglu
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PP-07-70 **Scedosporium aurantiacum virulence studies using a murine model**

Azian Harun
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PP-07-71 **Scedosporium aurantiacum: An emerging pathogen in Australia and New Zealand?**

Sharon C Chen
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PP-07-72 **Non-pigmented conidia of *Scedosporium prolificans* in a histology section of disseminated infection**

Masatomo Kimura
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PP-07-73 **Molecular typing of recurrent *Scedosporium apiospermum* isolates from a patient with cystic fibrosis**

Giulia Morace
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PP-07-74 **Invasive fusariosis among immunosuppressed patients: A matched case-control study in a tertiary care university hospital**

Maria L Moretti
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PP-07-75 **First case report primary actinomycosis of the breast from tamilnadu: Diagnosis by fine-needle aspiration cytology**

Pankajalakshmi V Venugopal
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PP-07-76 **Pneumocystis jirovecii diagnosis by polymerase chain reaction technique**

Maria M Panizo
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PP-07-77 **Pneumocystosis in Venezuelan patients: Epidemiology and diagnosis (2001-2008)**

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PP-07-78 **Yeasts isolated from HIV-infected patients in Jakarta, Indonesia: A first report**

Retno Wahyuningsih
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PP-08 Veterinary mycoses

PP-08-1 **Urogenital and digestive infection due to *Candida albicans* in a cat with diabetes mellitus**

Jacques Guillot
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PP-08-2 **First autochthonous cryptococcosis by *Cryptococcus gattii* in a Spanish ferret (Mustela putorius furo)**

Francisca Colom
Producción Vegetal y Microbiología, Universidad Miguel Hernandez, Spain

PP-08-3 **Moulds in the upper respiratory tract in dogs suffering from chronic rhinosinusitis - A pilot study**

Ellen Christensen
Department of Mycology, National Veterinary Institute, Norway

PP-08-4 **Radiographic evaluation of aspergillosis in 10 African gray parrot cases**

Mohammad Molazem
University of Tehran, Iran

PP-08-5 ***Aspergillus fumigatus* metabolic drift mutants. Isolation, morphologic characterization and significance to vaccine development**

Pietro Nenoff
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PP-08-6 **A canine case of histoplasmosis duboisii in Japan**

Ayako Sano
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PP-08-7 **A case of systemic infection of *Colletotrichum gloeosporioides* in a cat with feline immunodeficiency virus infection**

Yoshiteru Murata
Murata Animal Hospital, Mobara, Chiba; Medical Mycology Research Center, Chiba University, Chiba, Japan

PP-08-8 **Occurrence of *Trichophyton erinacei* in pet hedgehogs in Spain: One year study**

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PP-08-9 **An overview of ringworm infections in pets and domestic animals in Croatia within a six-year period**

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PP-08-10 **Biodiversity of dermatophytes isolated from animals in Italy**

Andrea Peano
Animal Production, Epidemiology and Ecology, University of Turin, Italy

PP-08-11 **A case report of onychomycosis in a Japanese monkey**

Mohamed M AlShahni
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PP-08-12 **Onychomycosis caused by chrysosporium keratinophilum in bennett's wallabies (Macropus rufogriseus)**

Jacques Guillot
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PP-08-13 ***Malassezia* dermatitis in dogs in Brazil: Clinical signs, diagnosis and molecular identification of causative agents**

Jacques Guillot
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PP-08-14 **First report of a hyalohyphomycosis due to Acremonium strictum in a red-eared slider semi-aquatic turtle: Successful treatment by ketoconazole and clotrimazole**

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PP-08-15 **Eumycetoma caused by *Aspergillus fumigatus* in an alpaca (Lama pacos)**

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PP-08-16 **Emerging fungal pathogens for pet reptiles**

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PP-08-17 ***In vitro* susceptibility of *Prototheca zopfii* genotype 1 and 2**

Hideto Sobukawa
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PP-08-18 **The white nose fungus**

Ira F Salkin
Biomedical Sciences, State University of New York, USA

PP-08-19 **Anti-fungal cell wall β-glucan antibody in animal sera**

Ken-ichi Ishibashi
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PP-08-20 **Antifungal activity of itraconazole and voriconazole against clinical isolates obtained from animals with mycoses**

Ken Okabayashi
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PP-08-21 **Poisoning of dogs with tremorgenic Penicillium toxins**

Ida Skaar
Department of Food and Feed Safety, National Veterinary Institute, Norway

PP-08-22 **Epidemiologic significance of the latent fungal carriage in animals**

Marina G Manoyan
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PP-08-23 **A case of alternariosis successfully treated with local hyperthermia**

Maho Yasui
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