



Working Group Interim Report

1	Title of Working Group	Fungiscope – Global Emerging Fungal Infection Registry
2	Name(s) of Coordinator(s)	<p>Chair Prof. Oliver A. Cornely MD, FACP, FIDSA, Cologne</p> <p>Coordinating physicians Dr. Maria J. G. T. Vehreschild MD, Cologne Dr. Kerstin Wahlers MD, Cologne</p> <p>Epidemiology, IT & statistics Dr. J. Janne Vehreschild MD, Cologne</p> <p>FungiThek Dr. Axel Hamprecht MD, Cologne Prof. Sybren de Hoog PhD, CBS Utrecht Dr. Volker Rickerts MD, Berlin Prof. Cornelia Lass-Flörl MD, Innsbruck</p> <p>Histopathology Dr. Birgid Markiefka MD, Cologne</p> <p>Thoracic surgery Prof. Khosro Hekmat MD, Cologne</p>

		Pharmacokinetics Dr. Fedja Farowski Biochemist, Cologne
3	Objectives	<p>The incidence of invasive fungal infections is increasing worldwide. While the etiology of this development has not been completely understood, evermore invasive medical care as well as increasing numbers of long-term immunocompromised patients are considered major contributing factors. To counter this development, diagnostic and therapeutic standards have been established for the most common fungi, i.e. <i>Candida spp.</i>, <i>Aspergillus spp.</i>, <i>Cryptococcus spp.</i> and <i>Pneumocystis jirovecii</i>. However, a wide variety of so-called emerging fungi accounts for a significant proportion of invasive fungal infections. Data on their epidemiology, pathogen biology and clinical course is scarce, often impeding evidence-guided decision making in the clinical setting.</p> <p>To overcome these difficulties and eventually improve patient care, Fungiscope — A Registry for Emerging Fungal Infections has been created in 2003</p>
4	Achievements of the Working Group in last year (250 words)	<p>Publications in peer-reviewed journals:</p> <ul style="list-style-type: none"> • Right flank pain and high fever in a neutropenic patient with acute lymphoblastic leukaemia. Christopheit M, Lindner A, Surov A, Weber T, Vehreschild MJ, Bialek R, Schmoll HJ <i>Mycoses</i> 2013, Jan; 56(1):90-92 • Combined antifungal approach for the treatment of invasive mucormycosis in patients with hematological diseases: a report from the SEIFEM and FUNGISCOPE registries. Pagano L, Cornely O, Busca A, Caira M, Cesaro S, Gasbarrino C, Girmenia C, Heinz WJ, Herbrecht R, Lass-Flörl C, Nosari A, Potenza L, Racil Z, Rickerts V, Sheppard DC, Simon A, Ullmann AJ, Valentini CG, Vehreschild JJ, Candoni A, Vehreschild MJ. <i>Haematologica</i>. 2013 May 28. [Epub ahead of print] <p>Posters have been presented at the following conferences in the last year:</p> <ul style="list-style-type: none"> • 18th Congress of the International Society for Human and Animal Mycology, Berlin, Germany

		<p>(June 23-26, 2012)</p> <ul style="list-style-type: none"> • 52nd Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), San Francisco, CA, USA (September 9-12, 2012) • Annual Congress of the German Society for Hematology and Oncology (DGHO), Stuttgart, Germany (October 19-23, 2012) • European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), Berlin, Germany (April 27-30, 2013) <p>In addition to the publications the following goals have been achieved in the last year:</p> <ul style="list-style-type: none"> • Launch of new, improved website in March 2013 • Initiation of the MSG Phaeohyphomycosis Registry by use of the Fungiscope database in October 2012. • Manuscript of joint analysis with Brazilian <i>Fusarium</i> spp group (Prof Nucci, Rio de Janeiro, Brazil) submitted. • New cooperation with the Robert Koch Institute (Dr. Volker Rickerts, Berlin, Germany) for extended diagnostics on paraffin-embedded specimens of patients with suspected invasive emerging fungal infections by use of sequencing plus ribosomal RNA FISH.
5	Is your Working Group going to continue for the next three years?	Yes, we have secured funding for the next 3 years.