

METIS SCIENTIFIC PUBLICATIONS 2010

Journal article (refereed)

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- Lackner M, Kaltseis J, Najafzadeh MJ, Gerrits van den Ende AHG, Sun J, Hoog GS de: Molecular identification and detection of *Scedosporium/Pseudallescheria* strains. NVMM Papendal 20 april 2010.
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Olga Vinnere Pettersson^{1*}, Su-lin L. Leong¹, Therese Rice¹, Jan Dijksterhuis², Jos Houbraken², Robert A. Samson², Johan Schnürer¹ **2010 The extreme xerophile *Xeromyces bisporus*: our current state of**

- P. Verwer, M. Woodle, T. Boekhout, F. Hagen, I. Bakker-Woudenberg, W. Van de Sande.
Susceptibility of *Aspergillus* spp., *Candida* spp., *Cryptococcus* spp. and *Trichosporon* spp. to branched histidine and lysine rich peptides (BHKPs). Scientific Meeting of the Netherlands Society for Medical Mycology, Utrecht, The Netherlands, December 8, 2010.
- Peer A van, Driel K van, Boekhout T, Mueller W, Wosten HAB, Lugones L. (2010) Function and structure of septal pore caps in Basidiomycota. Poster 1.2 IMC 9, Edinburgh August 1-6.
- Robert, V. 2010. Bioinformatics activities at CBS. Invited speaker at Joined meeting between Chinese Academy of Science and CBS, Utrecht, The Netherlands. August 9th.
- Robert, V. 2010. Database work package progress. Invited speaker at 2nd QBOL meeting, York, UK. May 7th
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- Robert, V. 2010. The quest for the best barcodes. Invited speaker at 2nd Embarc meeting, Braga, Portugal. 14th April
- Robert, V. 2010. Bioinformatics and Information management and data analysis systems. Invited speaker at ICC12 meeting, Florianopolis, Brazil. October 1st
- Robert, V. 2010. Bioinformatics at CBS: The LIMS system. Invited speaker at Network of European Leading Labs (NELL) meeting, Utrecht, The Netherlands. 13th April
- Robert, V. 2010. BioloMICS Software and associated databases. Invited speaker at Australian Collections meeting, Brisbane, Australia. February 8th-9th
- Robert, V. 2010. Conference on BioloMICS software at the Robert Koch Institute in Berlin, Germany, May 20th.
- Robert, V. 2010. Course on BioloMICS software and associated databases at INRA in Montpellier, France, June 11th.
- Robert, V. 2010. Course on BioloMICS software and associated databases at CBS. Utrecht, The Netherlands. July 19th to 23rd.
- Robert, V. 2010. FES - QBOL - QBANK data management and analyzes system. Invited speaker at FES-symposium at Naturalis, Leiden, The Netherlands. June 22nd.
- Robert, V. 2010. Identification algorithms. Chair and speaker at 3rd QBOL meeting, Bologna, Italy. October 20th
- Robert, V. 2010. Database work package progress. Invited speaker at 3rd QBOL meeting, Bologna, Italy. October 22nd
- Vu, D. (presenter) and Robert, V. 2010. Automated curation and assignment of DNA

sequences. Joint meeting CBS-Phytopathology on Bioinformatics and Medical Mycology, November 12th

Robert, V. 2010. Identification des levures et gestions des données. Invited speaker at Institut Pasteur Course on Medical Mycology, Paris, France. April 6th

Robert, V. 2010. Information management and data analysis systems in culture collections: why we need them? Chair at ICC12 meeting, Florianopolis, Brazil. October 1st.

Robert, V. 2010. QBOL and ECBOL data management and analyzes system. Invited speaker at 2nd ECBOL meeting, Braga, Portugal. June 4th .

Rüping MJGT, Heinz WT, Kindo AJ, Hamprecht A, Krafczyk T, Fischer G, Hoog GS de, Vehreschild JJ: Fungiscope – A global registry for rare fungal infections. DGHO Jahrestagung and 50st ICAAC, Boston, Sept. 12-15, 2010.

Samson, R A (2010) DNA Barcoding of the Mycobiota in indoor environments. Korean Agricultural Culture collection. National AgroBiodiversity Center. 27 October 2010. Korea
Samson, R A (2010) DNA Barcoding of the mycobiota in indoor environments. Ninth International Mycological Congress, Edinburgh

Samson, R A (2010) Fermented Food CJ Research institute, Seoul Korea 28 October

Samson, R A (2010) Fortbildungsveranstaltung.Ringversuch Innenraum- und Lebensmittelrelevante Schimmelpilze- Praktische Fortbildung Dematiaceae/Schwärzepilze-München 26.03.2010

Samson, R A (2010) Fungi in Food: Friends or enemies Sunchang jangryu Institut. 26 October Korea

Samson, R A (2010) Global warming and the change in the airborne mycotoxin-producing mycobiota. The World Mycotoxin Forum - 6th Conference. 8-10 November 2010 - Noordwijkerhout

Sande W van de, Badali H: Subcutaneous infections. Workshop Emerging Potential of Black Yeasts, Ljubljana, 14-16 May 2010.

Saunte Linhardt D, Hoog GS de: Black fungi on the skin. Workshop Emerging Potential of Black Yeasts, Ljubljana, 14-16 May 2010.

Selbmann L, Gueidan C, Ruibal C, Onofri S, Hoog GS de: Millions of years without sex and still happy. Workshop Emerging Potential of Black Yeasts, Ljubljana, 14-16 May 2010.

Seyedmousavi Tasieh S, Vicente VA, Najafzadeh MJ, Hoog GS de: The pathogenic potential of waterborne black yeasts. Workshop Emerging Potential of Black Yeasts, Ljubljana, 14-16 May 2010.

Van den Brink J, Boekhout T, de Vries RP (2010). Screening of fungal diversity: a strategy to improve lignocellulolytic bio-ethanol production. Presentation at: 3rd Progress Meeting NEMO, Ljubljana, Slovenia, May 10-11

Van den Brink J, Boekhout T, de Vries RP (2010). Screening of fungal diversity: a strategy to improve lignocellulolytic bio-ethanol production. Presentation at: 4th Progress Meeting NEMO, Milan, Italy, May 10-11

Van den Brink J, de Vries RP, Boekhout T (2010). Screening of fungal diversity: a strategy to improve lignocellulolytic bio-ethanol production. Poster at: 4th Conference on Physiology of Yeast and Filamentous Fungi, Rotterdam, June 1-4

Vasco-P.A, Boekhout T, Franco-Molano E. (2010). Fungal diversity in Colombian Amazonian tropical rain forests. Poster at: The Annual PhD-day of the Research School Biodiversity. Leiden, The Netherlands, December 6th.

Verwer PEB, Woodle M, Boekhout T, Hagen F, Bakker-Woudenberg I and Sande van der WWJ: Susceptibility of *Aspergillus* spp., *Candida* spp., *Cryptococcus* spp. and *Trichosporon* spp. to Branched Histatin and Lysine rich peptides (BHKPs). Poster at Scientific Spring Meeting, Arnhem, The Netherlands, April 20-21, 2010.

Vicente VA, Najafzadeh MJ, Hoog GS de: Isolation of agents of chromoblastomycosis. Workshop Emerging Potential of Black Yeasts, Ljubljana, 14-16 May 2010.

Vinnere-Pettersen, O., Leong, S-L., Rice, T., Dijksterhuis, J., Hourbaken, J., Samson, R.A., and Schnürer, J. (2010). The extreme xerophile *Xeromycesbisporus*: our current state of knowledge. Workshop International Commission on Food Mycology, 7-9 June 2010, Freising, Germany (oral presentation).

Voigt K, Hoffmann K, Fliegerová K, Eckart M, Jacobsen ID, Schwartz V, Hoog GS de, Ebersberger I, Gube M, Strauss S, Kupczok A, Kothe E, Haeseler A von: Evolution of basal fungal lineages: linking phylogenies to pathogenicity and morphology. IMC Edinburgh, Aug. 2010.

Vu, D. (presenter) and Robert, V. 2010. Clustering massive sequence databases. 9th European Conference on Computational Biology (ECCB), Ghent, Belgium. September 26-29.

Wyatt, T.T., Büchner, D., Hanssen, M., Hoekstra, F.A., Golovina E.A., Samson, R.A., Wösten, H.A.B., Lugones, L.G., and Dijksterhuis, J. (2010). ICARUS, a protein involved in the extreme dormancy of ultra stress-resistant ascospores. International Mycological Congress 9, August 1-6, Edinburgh, UK (poster presentation).

Wyatt, T.T., Leeuwen, M.R. van, Dijksterhuis, J. (2010) Compatible solutes in fungal cells. Workshop International Commission on Food Mycology, 7-9 June 2010, Freising, Germany (oral presentation).

Xin L, Hoog GS de: Black yeasts in your bathroom. Workshop Emerging Potential of Black Yeasts, Ljubljana, 14-16 May 2010.

Zwiers LH (2010). Het FES-programma Versterking Infrastructuur Plantgezondheid. Derde workshop toegepaste Fytopathologie, 10 February 2010, Roelofarendsveen, the Netherlands

*CBS seminar series

January 11: **Henk Brouwer**

Carbohydrate-active enzyme content of oomycete genomes.

January 18: **Timon Wyatt**

Mechanisms of heat resistance of food spoilage fungi.

January 25: **Kerstin Voelz** (School of Biosciences, University of Birmingham, U.K.)

Macrophage-*Cryptococcus* interactions during cryptococcosis.

February 1: **Marizeth Groenwald**

CBS Yeast Collection: a goldmine of novel species.

February 8: **Jos Houbraken**

Polyphasic taxonomy of *Penicillium*. *P. citrinum* as an example.

February 15: **Sybre de Hoog**

Millions of years without sex and still happy.

February 22: **Teun Boekhout**

Lost in the forest.

March 8: **Rolf Boesten**

CandIDazol: From Genome Sequence to Commercial Kit.

March 15: **Jan Dijksterhuis**

The use of panels of fungal species for different applications.

March 22: **Vincent Robert**

Bioinformatics at CBS

March 29: **Vania Vicente**

How coincidental is coincidence? Questions on plant and human pathogenicity in Chaetothyriales.

April 12: **William Quaedvlieg**

DNA barcoding of *Mycosphaerella* species. An EU 7th framework project.

April 19: **Ewald Groenewald**

Phylogenetic trees: finding your way through the jungle.

April 26: **Bert Gerrits van den Ende**

Population dynamics in *Exophiala dermatitidis*. Where did it come from, where is it going.

May 3: **Qiaoyun Lu**

Evaluation of a PCR-reverse line blot and a real-time PCR assay for identification of six *Pseudallescheria* / *Scedosporium* species

May 10: **Martin Meier**

Ochratoxin A and fumonisin production in industrial strains of *Aspergillus niger*.

May 17: **Amir Tasieh**

The pathogenic potential of waterborne black yeasts in cold-blooded animals.

May 31: **Joost van den Brink**

Screening of fungal diversity: a strategy to improve lignocellulolytic bio-ethanol production.

June 7: **Lute Harm Zwiers**

Genome plasticity in *Mycosphaerella*.

June 14: **Michaela Lackner**

State of the art molecular identification of *Pseudallescheria* / *Scedosporium*.

June 21: **Ulrike Damm**

Unravelling *Colletotrichum* species complexes.

June 28: **Timon Wyatt**

Compatible solutes in the fungal cell.

August 30: **Ronald de Vries**

Spatial differentiation of mannitol dehydrogenase and mannitol-1-phosphate dehydrogenase in *Aspergillus niger*.

September 6: **Mohammad Javad Najafzadeh**

Fonsecaea nubica sp. nov. a new agent of human chromoblastomycosis revealed using molecular data.

September 13: **Neriman Yilmaz**

Studies on *Penicillium* and food borne fungi.

September 27: **Henk Brouwer**

The Q-bank *Phytophthora* database.

October 4: **Marijke Nauta**

Morphological and molecular characters of Mollisoid fungi: looking differently at grey discomycetes.

October 11: **Ursula Eberhardt**

Status of the CBS barcoding project.

October 18: **Clement Tsui** (Forest Sciences Centre, The University of British Columbia Vancouver, BC)

Population structure and migration pattern of *Grosmannia clavigera*, a conifer pathogen associated with mountain pine beetles.

October 25: **Qi-Ming Wang**

Genetic diversity and population differentiation of wild and domestic *Saccharomyces cerevisiae*.

November 1: **Sybre de Hoog & Yvonne Gräser*** (*Institute for Microbiology, Charite, Berlin, Germany)

Kinds of species in dermatophytes.

November 8: **Rolf Boesten**

CandIDazol: From Genome Sequence to Commercial Kit.

November 15: **Anne van Diepeningen** (Lab. Genetics, Dept. Plant Sciences, Wageningen University).

Ageing in filamentous fungi.

November 22: **Jan Dijksterhuis**

Nothing is what it seems.

November 29: **Rob Samson**

The mycobiota of Meju.

December 6: **Robert Weingart Barreto** (Departamento de Fitopatologia, Universidade Federal de Viçosa, Brazil)

Endangered plant parasitic fungi

December 13: **Jan Baumbach** (Max-Planck-Institut für Informatik, Computational Systems Biology, Saarbrücken, Germany)

Identification of functionally related proteins with Transitivity Clustering.

Journal article (popularizing)

Crous PW (2010). IMA medals awarded at the IMC9. *IMA Fungus* **1**: (15)–(17).

Hoog GS de (2010). Fungi on German TV: Focus on black fungi. *IMA Fungus* **2**: (4)–(6).

Hoog GS de (2010). **Persoonial reflections**: Beware of your dishwasher! *Persoonia* **25**: 117–118.

Shivas RG, McTaggart AR, Young AJ, Crous PW. 2010. *Zasmidium scaevolicola*. **Fungal Planet** **47**, **Persoonia** **24**: 132–133.

Software 2010

Jabas, B. and Robert, V. 2010. BioloMICS Net Software Version 8.5

Robert, V., Szoke, S. Jabas, B., Vu, D., Chouchen. 2010. BioloMICS Desktop Software Version 8.5

Vu, D. and Robert, V. 2010. LIMS & Sequences Management Software Version 1 (final release)

Ben Hadj Amar, A., Robert, V., Stegehuis, G. and Stalpers, J. 2010. Mycobank remote curation software Version 1 (beta release)

Dissertation (voor promoties)

Promotie van **Hamid Badali**

Datum: 25 juni 2010

Promotoren:

Prof. dr. G.S. de Hoog

Prof. dr. S.B.J. Menken

Titel van de thesis: Biodiversity, pathogenicity and antifungal susceptibility of *Cladophialophora* and relatives.

Media

Dijksterhuis J: On **18 november 2009** I had a contribution in the Radio 1 program Kassa! (VARA) about "*Beschimmeld eten*". On **7 januari 2010** I had another contribution in this Radio 1 program about "*Minder voedselbederf door schimmels*". As I noticed these contributions are broadcasted on a regular base.

Dijksterhuis J: On **20 March 2010** the newspaper **Nederlands Dagblad** published about the CBS and me in the column "Aagje".

Hoog, GS.; Gerrits vanden Ende 22 september 2010 **Abenteuer Wissen ZDF** "**Pilze, die heimlichen Herrscher der Welt**"