

DETAILED PROGRAMME

Sunday, September 15, 2019 – Warsaw

15.00-20.00 Registration **Old Library**
foyer; ground floor

Monday, September 16, 2019 – Warsaw

07.00-09.00 Registration **Old Library**
foyer; ground floor

09.00-09.45 Congress Opening **Old Library**
main assembly hall; ground floor

Keynote lecture: The evolution of mycorrhizal genomes and transcriptomes

09.45-10.30 Annegret Kohler, Eniko Kiss, Emmanuelle Morin, Shingo Miyauchi, Laszlo G Nagy, Igor Grigoriev, Francis Martin, Mycorrhizal Genome Initiative **Old Library**
main assembly hall; ground floor

10.30-11.15 **Keynote lecture: Discovering the extent of fungal diversity**
David L Hawksworth **Old Library**
main assembly hall; ground floor

11.15-11.40 Discussion **Old Library**
main assembly hall; ground floor

11.40-12.00 Coffee break **Old Library**
foyer; 1st floor

12.00-13.30 **Parallel Sessions**

Offered Presentations Session 1 **Old Library**
main assembly hall; ground floor

12.00-12.15 **Fungal alkaline proteases and enzymes with activity of blood proteins**
Alexander Kurakov, Alexander Osmolovskyi, Anna Bobrovskaya, Yulia Pokrovskaya, Yakov Dunaevsky

12.15-12.30 **Effective usage of edible mushrooms extract for treatment of Hela Cells**
Inesa Avagyan, Siranush Nanagulyan, Liya Minasbekyan

- 12.30- **Filamentous fungi and yeast associates of phoretic mites on *Ips typographus* in Eastern Finland**
 12.45 Riikka Linnakoski, Ilmeini Lasarov, Pyry Veteli, Olli-Pekka Tikkanen, Risto Kasanen, Heli Viiri, Tuula Jyske, Tuan A. Duong, Michael J. Wingfield
- 12.45- **Ectomycorrhiza of *Tricholoma vaccinum*-spruce: Interactions and metal tolerance**
 13.00 Katrin Krause, Katharina Wagner, Wilhelm Boland, Erika Kothe
- 13.00- **Mycobiota of the soil contaminated by copper molybdenum mining**
 13.15 Ruzanna Matevosyan, Vahagn Gevorgyan, Tigran Yesayan
- 13.15- **Contents of ergothioneine in fruiting-body of wild strain *Lentinula edodes* collected in Korea**
 13.30 Rhim Ryoo, Hyo-rim Lee, Yeun Sug Jeong, Yeongseon Jang, Kang-Hyeon Ka

12.00- 13.30	Poster Session 1	Old Library rooms 105-109; 1 st floor
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Theme: From genome to function

- P1 **Identification of Antibacterial Agents from East African Basidiomycota**
 Tian Cheng, Clara Chepkirui, Cony Decock, Josphat Clement Matasyoh, Marc Stadler
- P2 **Diversity and pathogenicity of the *Alternaria* species complex involved in apple leaf blotch and fruit spots in France.**
 Kévin Fontaine, Céline Fourrier-Jeandel, Manuela Dagba, Anne-Laure Boutigny, Valérie Caffier, Jason Shiller, Bruno Le Cam, Renaud Ios, Jaime Aguayo
- P3 **Waste wood bioconversion under oxygen depletion by *Phlebia radiata* - Towards sustainable bioethanol**
 Hans Mattila, Mari Mäkinen, Eero Kiviniemi, Taina Lundell
- P4 **Special membrane domains of *Schizophyllum commune*, similar to lipid rafts?**
 Jessica Pötschner, Erika Kothe
- P5 **Unique wood-decay strategies and fruiting body development in the Schizophyllaceae**
 Neha Sahu
- P6 **Evolutionary history of a common fungal endophyte of Norway Spruce**
 Marie Leys, Sundry Maurice, Marie Louise Davey
- P7 **Revision of A1 family of aspartic proteinases in basal fungi**
 Malgorzata Zielinska, Anna Muszewska
- P8 **Effects of abiotic stresses on ketoisovalerate reductase (KIVR) gene expression and cyclodepsipeptides production by fungi from Hypocreales order**
 Monika Urbaniak, Grzegorz Koczyk, Agnieszka Waśkiewicz, Zuzanna Dutkiewicz, Łukasz Stępień

- P9 **Patterns of cytogenomic variability across fungi and the occurrence of very large genomes in the Pucciniales**
Mariana Reis, Rita Carvalho, Tatiana Valada, Ana Paula Ramos, Pedro Talhinhos
- P10 **Genetic diversity of fungal community in soil amendment with mineral fertilizers enriched with microorganisms**
Agata Gryta, Magdalena Fraç, Karolina Oszust, Mateusz Mączik, Giorgia Pertile
- Theme: Taxonomy and systematics**
- P11 **Two new African siblings of *Pulveroboletus ravenelii* (Boletaceae)**
Akotchayé Sylvestre Badou, André De Kesel, Olivier Raspé, Martin K. Ryberg
- P12 **Six new species in *Aspergillus* section *Nidulantes***
František Sklenář, Željko Jurjević, Stephen Peterson, Miroslav Kolařík, Alena Nováková, Alena Kubátová, Vít Hubka
- P13 **New record of *Hyphoderma etrusiae* (Fungi, Basidiomycota) in Portugal and its combination in *Lawrynomycetes***
Ireneia Melo, Isabel Salcedo, Ibai Olariaga
- P14 **Using variable rate models to study the evolution of ectomycorrhizal fungi through time**
Sanea Sheikh, Faheema Kalsoom, Muhammad Bahram, Martin Ryberg
- P15 **Disentangling the identity of the genus *Biatorellina***
Jiří Kout, James Mitchell, Adam Polhorský, Donald Pfister, Luis Quijada
- P16 **What do we know about *Grovesiella*?**
Jiří Kout, Eugene Popov, Adam Polhorský, Joey Tanney, Peter R. Johnston, Donald Pfister
- P17 **First worldwide report of *Colletotrichum tamarilloi* causing anthracnose in strawberry.**
Lincoln Vicente Araújo do Bizerra, Fernanda Lara dos Santos, Danilo Batista Pinho, Ailton Reis, Adalberto Corrêa Café-Filho
- P18 ***Phytophthora abietivora*, a new species isolated from diseased Christmas trees in Connecticut, USA**
De-Wei Li, Neil P. Schultes, James A. LaMondia, Richard S. Cowles
- P19 **Diversity and phylogeny of the compactoid *Russula***
Ruben De Lange, Annemieke Verbeken
- P20 **Barcoding approach as an effective tool for revealing *Astraeus* species in the Republic of North Macedonia**
Katerina Rusevska, Mitko Karadelev, María P. Martín

- P21 **Systematic revision of the genera *Holwaya* and *Patinella* (Ascomycota) based on phylogenetic traits**
Luis Quijada, Neven Matočec, Ivana Kušan, Peter R. Johnston, Armin Mešić, Hans-Otto Baral, Donald Pfister
- P22 **Species diagnostics of European oak powdery mildews**
Katarína Pastirčáková, Miroslav Caboň, Petra Mikušová, Katarína Adamčíková, Kamila Bacigálová, Martin Pastirčák, Slavomír Adamčík
- P23 **New interesting records of the genus *Entoloma* from southern and insular Greece**
Elias Polemis, Vassiliki Fryssouli, Machiel E. Noordeloos, Bálint Dima, Michael Gkilas, Linos Kottis, Georgios I. Zervakis
- P24 **Recent progress in species delimitation in *Subulicystidium* (Trechisporales, Basidiomycota)**
Alexander Ordynets, Karl-Henrik Larsson, Alessandro Saitta, Sergey Volobuev, Sergey Bolshakov, Bart Buyck, Anton Savchenko, Ewald Langer
- P25 **Morphology standards for description of *Russula* species**
Soňa Jančovičová, Miroslav Caboň, Slavomír Adamčík
- P26 **The expanded diversity of Trichomeriaceae: *Knufia* and *Trichomerium***
Magdalena Owczarek-Kościelniak, Paweł Czachura, Marcin Piątek
- P27 **The genus *Rachicladosporium*: introducing two new species from sooty mould communities**
Marcin Piątek, Paweł Czachura, Magdalena Owczarek-Kościelniak
- P28 ***Ganoderma lucidum* (Curtis) P. Karst. *sensu stricto*: host tree and habitat range in Finland**
Pyrý Veteli, Marta Cortina-Escribano, Henri Vanhanen, Riikka Linnakoski
- P29 **Living at the extremes: novel lineages in the Myriangiales**
Paweł Czachura, Magdalena Owczarek-Kościelniak, Marcin Piątek
- P30 **Cryptic diversity within the smut fungal species *Anthracoidea sempervirentis***
Martin Kemler, Anja Feige, Teodor T. Denchev, Cvetomir M. Denchev, Dominik Begerow
- P31 **The genus *Ravenelia* in South Africa – Diversity, Phylogeny and population structures**
Malte Ebinghaus, Martin Kemler, Andreas Brachmann, Michael Wingfield, Wolfgang Maier, Dominik Begerow
- P32 **A post-harvest disease of vanilla caused by two new *Moniliella* species**
Wolfgang Maier, Andrey Yurkov, Samad Ashrafi
- P33 **Evolution of ascospore morphology in Bryophilous Pezizales**
Lukáš Janošík

P34 **Species diversity of myxomycetes as a challenge for modern molecular technics**
Anna Tereba, Aleksandra Rosa-Gruszecka, Kateryna Fyałkowska

P35 **Multilocus phylogeny of Laboulbeniomycetes (Ascomycota) with special emphasis on Pyxidiophorales**
Michał Gorczak, Kamil Kisto, Marta Wrzosek

Theme: Fungi in Biotechnology

P36 **Characterization of minerals, elicitors in spent mushroom substrate extract and effects on growth, yield and the management of *Cassava* mosaic diseases**
Samuel Okere, Anthony Ataga

P37 **Development of suitable substrate for *Sparassis latifolia* using beet pulp and corn flour**
Heemin Gwon, Yunhae Lee, Deahoon Jeon, Jongin Choi, Youngsoon Lee

P38 **The effect of different lignocellulosic substrates on the incubation and yield of Oyster mushroom**
Dušanka Bugarski, Jelica Gvozdanović-Varga, Mirjana Vasić, Janko Červenski, Slobodan Vlajić

P39 **Biologically active compounds in lichenized fungi**
Marina Temina, Valery Dembitsky

P40 **Wood-decay fungi studied under fermentative and oxygen-stress conditions**
Eero Kiviniemi, Hans Mattila, Taina Lundell

P41 **CIRM-CF, a french Biological Resource Center dedicated to filamentous fungi for lignocellulosic biomass valorization**
Delphine Chaduli, David Navarro, Sabine Taussac, Laurence Lesage-Meessen, Chantal Parodi-Negri, Sabine Genet, Anne Favel

P42 **Breeding and characteristics of new oak mushroom (*Lentinula edodes*) variety**
Jeonghan Kim, Ilsun Baek, Bokeum Shin, Yunhae Lee, Youngsoon Lee

P43 **The role of osmolytes and membrane lipids in the adaptation of extremophilic fungi to heat, cold and osmotic shocks**
Vera Tereshina, Elena Ianutsevich, Sofiya Bondarenko, Olga Danilova, Elena Bilanenko

P44 **Structure of the microbiome associated to commercial button mushroom cultivation**
Jaime Carrasco, Maria Luisa Tello, Rebeca Lavega, Maria de Toro, Carlos Garcia-Delgado, M. Sonia Rodriguez, M. Jesus Sanchez

P45 **Prebiotic activity of hydrolysis product of (1→3)- α -D-glucans from fruiting bodies of *Laetiporus sulphureus***
Paulina Adamczyk, Adam Waško, Małgorzata Pleszczyńska, Katarzyna Próchniak, Szczodrak Janusz, Adrian Wiater

- P46 **Effect of pyrethroids on the phospholipid profile of *Beauveria bassiana***
Anna Litwin, Przemysław Bernat, Cezary Tkaczuk, Sylwia Różalska
- P47 **Degradation of *Fusarium* mycotoxin Zearalenone by *Isaria* sp.**
Monika Nowak, Adrian Soborń, Cezary Tkaczuk, Sylwia Różalska
- P48 ***In vitro* testing of potential growth inhibitors of *Hymenoscyphus fraxineus***
Miriam Kádasi Horáková, Marek Kobza, Jozef Pažitný, Radovan Ostrovský, Marek Barta, Emília Ondrušková, Katarína Pastirčáková
- P49 **Mechanical properties of thin films based on *Hericium erinaceus* mycelium**
Maiia Ziangirova, Nailya Almyasheva, Alexander Golyshkin, Larisa Krasnopolskaya, Andrey Teplykh, Boris Zaitsev, Irina Borodina, Alexander Semyonov, Vladimir Kolesov, Iren Kuznetsova
- P50 **Evaluation of different *Trichoderma* species in their ability of degrading engine oil**
Chiara Daccò, Marta Elisabetta Eleonora Temporiti, Lidia Nicola, Barbara Mannucci, Federica Corana, Solveig Tosi
- P51 **Management of *Fusarium* wilt by endophytic *Fusarium chlamydosporum***
Vineet Meshram, Meirav Elazar, Stanley Freeman
- P52 **Rhizo-bioremediation of DDT-contaminated soils**
Eligio Malusà, Małgorzata Tartanus, Artur Miszczak, Fabiana Russo, Andrea Ceci, Veronica Spinelli, Oriana Maggi, Ewa Furmańczyk, Anna Maria Persiani
- P53 **Potential in mycoremediation of soil saprotrophic fungi: arsenic uptake and tolerance in different nutritional conditions**
Andrea Ceci, Veronica Spinelli, Lorenzo Massimi, Silvia Canepari, Anna Maria Persiani
- P54 **Fruiting-body formation of *Gymnopilus junonius* by Sawdust Cultivation**
Hyo-rim Lee, Rhim Ryoo, Yeun Sug Jeong, Yeongseon Jang, Kang-Hyeon Ka
- P55 **Draft genome sequence and annotation of *Trichoderma hamatum* FBL 587 (Sordariomycetes): insights into the mycoremediation of contaminated soil**
Domenico Davolos, Fabiana Russo, Andrea Ceci, Loredana Canfora, Eligio Malusà, Małgorzata Tartanus, Oriana Maggi, Anna Maria Persiani
- P56 **Multiplex qPCR method for detection of *Verticillium* sp. and *Phytophthora* sp.**
Jacek Panek, Dominika Malarczyk, Magdalena Frąc
- P57 **Chemicals released by fungi to overcome wood preservatives**
Aitor Barbero López, Antti Haapala, Gry Alfredsen
- P58 **Detection of *Fusarium* species producers of fumonisins in maize grains in Portugal**
Daniela Simões, Eugénia Andrade, Carla Brites, Eugénio Diogo

- P59 **Mycelium growth of xylotrophic basidiomycetes on chemically modified lignocellulosic substrates**
Alexandr Golyshkin, Nailya Almyasheva, Maria Yarina, Larissa Krasnopolskaya
- P60 **The comparative study of phenolic metabolites produced by *Hericium erinaceus* and *Agrocybe aegerita* in vegetative and generative stages**
Nailya Almyasheva, Alexandr Golyshkin, Eugene Rogozhin, Larissa Krasnopolskaya
- P61 **Cultivation of *Ganoderma lucidum* using residues from forest industries**
Marta Cortina-Escribano, Pyry Veteli, Riikka Linnakoski, Henri Vanhanen
- P62 **Ascomycota composition based on next generation sequencing in soil amended with spent mushroom substrate**
Magdalena Frąc, Karolina Oszust, Jerzy Lipiec, Bogusław Usowicz
- P63 ***Fusarium temperatum* – the important producer of beauvericin and enniatins**
Marcin Wit, Piotr Ochodźki, Roman Warzecha, Jacek Olchowik, Monika Źurek, Emilia Jabłońska, Ewa Mirzwa-Mróż, Józef Adamczyk, Janusz Rogacki, Krzysztof Wójcik, Wojciech Wakuliński
- Theme: Fungal interactions**
- P64 **Monitoring without touching: can biocalorimetry reveal different fungal life history strategies and fungal interactions on solid substrates?**
Hieu Linh Duong, Sven Paufler, Thomas Maskow, Dietmar Schlosser
- P65 **Biodegradation of single use plastics by white-rot fungi**
Denise Hassinger, John Dighton
- P66 **The effect of abiotic factors on growth of ophiostomatal fungi- Factors shaping microbial communities of ecologically important bark beetles**
Karel Švec
- P67 **Mycorrhizal fungi modulate nitrate inhibitory effect on *Dactylorhiza majalis* seed germination**
Tomáš Figura, Jan Ponert
- P68 **Role of the microbial symbionts in the bark beetle holobiont**
Tereza Veselská, Karel Švec, Martin Kostovčík, Miroslav Kolařík, Paula García Fraile
- P69 **Metagenomic analysis of fungi and bacteria in rhizosphere soils around four basidiomycete mushrooms in Jeju Island in Korea**
Dong Hyeung Lee, Hyung Jin Noh, Kang Hyo Lee, Seong Hwan Kim
- P70 **Interactions in contaminated environment: Investigation of *Schizophyllum commune* in Chernobyl soil**
Lea Traxler, Erika Kothe
- P71 **Evaluation of the secondary metabolism of the genus *Laccaria* (Agaricomycetes, Hydnangiaceae)**
Hedda Schrey, Peter Spiteller

- P72 **Combinatorial impact of different shocks on the composition of membrane lipids and osmolytes in *Aspergillus niger***
Elena Ianutsevich, Olga Danilova, Vera Tereshina
- P73 **Genetic determinants and cellular processes involved in the interactions of ectomycorrhizal fungi with toxic metal species**
Tereza Leonhardt, Jan Sácký, Jan Borovička, Vojtěch Beneš, Pavel Kotrba
- P74 **The importance of inoculum volume for the competitive outcome and wood decay ability of brown- and white-rot basidiomycetes**
Yu Fukasawa, Emma Gilmartin, Melanie Savoury, Lynne Boddy
- P75 **Bacterial endosymbionts of Mucoromycota representatives**
Alicja Okraśńska, Aleksandra Miłobędzka, Aleksandra Bokus, Aleksandra Gęsiorska, Blanka Sokołowska, Marta Wrzosek, Julia Pawłowska
- P76 **The impact of fourteen tree species on arbuscular mycorrhizal fungi abundance, species richness and composition in soils of the Siemianice Experimental Forest**
Katarzyna Rożek, Kaja Rola, Janusz Błaszowski, Tomasz Leski, Szymon Zubek
- P77 **Rhizosphere and endophyte microcommunities of *Trifolium repens* from Zn-Pb waste heap (S. Poland)**
Ewa Oleńska, Wanda Małek, Jaco Vangronsveld, Sofie Thijs
- P78 **Ectomycorrhizal community composition changes along to silver fir (*Abies alba* Mill.) phenological stages in Slovenia**
Tina Unuk Nahberger, Rok Damjanić, Hojka Kraigher, Tine Grebenc
- P79 **Biological control potential of ectomycorrhizal fungi against *F. circinatum* on *Pinus patula* seedlings**
Veronique Chartier-FitzGerald, Joanna Dames, Greer Hawley
- P80 **Do dark septate endophytes parasitize plant parasitic nematodes?**
Samad Ashrafi, Abdelfattah A. Dababat, Marc Stadler, Soleiman Helaly, Maria R. Finckh, Wolfgang Maier
- P81 **Stem rust infection in Novosibirsk region: life cycle and origin**
Vasilij Kelbin, Ekaterina Skolotneva, Sretenka Vidich, Elena Salina
- P82 **How do mycorrhizal fungi cope with metal stress?**
Olga Bogdanova, Anna Bonrath, Katrin Krause, Erika Kothe
- P83 **Molecular, physiological and anatomical changes in common wheat (*Triticum aestivum* L.) seedlings during interaction with *Trichoderma* fungi**
Aneta Basińska – Barczak, Jan Homa, Lidia Błaszczyk, Michał Dziurka, Anna Janeczko

- P84 **Deciphering casing microbiome: effect of fungal infection and pesticide treatment in button mushroom crops**
M. Luisa Tello, Rebeca Lavega, Rosa Fernandez, Margarita Pérez, Gail Preston, Jaime Carrasco
- P85 **Identification and characterization of a new wasting disease affecting commercial exploitations of *Pleurotus ostreatus***
Marcos Vilariño, M. Luisa Tello, Alfredo Martínez, Margarita Pérez-Clavijo
- P86 **Characterization of extracellular laccases and decolorization of synthetic dyes from mycelium of *Lentinula edodes* (shiitake)**
Yeun Sug Jeong, Hyo-rim Lee, Yeongseon Jang, Kang-Hyeon Ka, Rhim Ryoo
- P87 **Spread of *Heterobasidion* root rot infection in Norway spruce stands on former agricultural land after thinning**
Darta Klavina, Lauma Bruna, Natalija Burnevica, Talis Gaitnieks
- P88 **Ecophysiology and virulence of *Pseudogymnoascus destructans***
Miroslav Kolařík, Hana Bandouchová, Jan Černý, Adéla Čmoková, Miroslav Flieger, Paula García Fraile, Veronika Kováčová, Alena Kubátová, Natália Martínková, Alena Nováková, Eva Stodůlková, Jiří Pikula
- P89 **Effects of season and bedrock on ectomycorrhizal community composition in Submediterranean oak secondary forest**
Tanja Mrak, Nataša Šibanc, Ines Štraus, Jožica Gričar, Hojka Kraigher
- P90 **Isolation and characterisation of metallothioneins from Cd-accumulating *Cystoderma carcharias***
Tereza Leonhardt, Jan Sácký, Jiří Černý, Jan Borovička, Pavel Kotrba
- P91 **Novel aluminium-binding compound from *Oidiodendron* sp.**
Svetlana Baiandina, Tereza Leonhardt, Antonín Kaňa
- P92 **Arsenic accumulation and speciation in *Russula pumila***
Gabriela Pelešková, Jan Sácký, Jan Borovička, Simone Braeuer, Walter Goessler, Pavel Kotrba
- P93 **Fungal microbiota of caterpillars and phylloplane – how much do they differ?**
Denisa Višňovská, Petr Pyszko, Martin Šigut, Martin Kostovčík, Nela Kotásková, Ondřej Dorňák, Pavel Drozd, Miroslav Kolařík
- P94 **Aclicinic method of trap culture for arbuscular mycorrhizal fungi**
Anna Drazhnikova, Tetiana Andrianova
- P95 **Can species belonging to *Mortierella lignicola* clade be associated with temperate forest ant species?**
Igor Siedlecki, Sylwia Różalska, Przemysław Bernat, Maciej Kopczyński, Marta Wrzosek

- P96 **Metagenomic analysis of rhizosphere soil around *Amanita caesarea*, *A. verna*, *Cortinarius violaceus*, *Laccaria vinaceoavellanea* in Jeju island in Korea**
Dong Hyeung Lee, Hyung Jin Noh, Kang Hyo Lee, Seong Hwan Kim
- P97 ***Puccinia brachypodii* a rare rust fungus with low genetic diversity**
Ewa Moliszewska, Magorzata Nabrdalik, Ewa Makowicz, Jacek Lipok
- P98 **Fungi accompanying the protist *Plasmodiophora brassicae* in the soil**
Noor Ramzi, Joanna Kaczmarek, Katarzyna Marzec-Schmidt, Tomasz Cłapa, Dorota Narożna, Małgorzata Jędryczka

13.30-14.30 Lunch **Old Library**
foyer; ground floor

14.30-17.00 **Parallel Sessions**

From genome to function **Old Library**
Leader: Ekaterina Shelest main assembly hall; ground floor

14.30-14.50 **Selective deconstruction of plant biomass : fungal enzymes active at the onset of solid state fermentation.**
Marie-Noëlle Rosso, Shingo Miyauchi, Laurence Lesage-Meessen, Anne Favel, Elodie Drula, Simeng Zhou, Sacha Grisel, Igor V. Grigoriev, Robert Riley, Isabelle Herpoël-Gimbert, Sana Raouche

14.50-15.10 **Waste wood bioconversion under oxygen depletion by *Phlebia radiata* - Towards sustainable bioethanol**
Hans Mattila, Mari Mäkinen, Eero Kiviniemi, Taina Lundell

15.10-15.30 **Bioinformatics approaches to understanding regulation of secondary metabolism in non-model fungi**
Ekaterina Shelest

15.30-15.50 **Fungal macrolactone toolkit: a phylogenomic atlas reveals usual suspects and unusual configurations in biosynthesis of ancient aromatic polyketides**
Grzegorz Koczyk, Michał Kawaliło, Zuzanna Dutkiewicz, Monika Urbaniak, Delfina Popiel

15.50-16.10 **Comparative genomics, evolution and adaptation of Antarctic cryptoendolithic Black Fungi**
Claudia Coleine, Jason Stajich, Sawyer Masonjones, Laura Zucconi, Silvano Onofri, Laura Selbmann

16.10-16.30 **Transposable elements in fungal genomes**
Anna Muszewska, Kamil Steczkiewicz, Marta Stepniewska-Dziubinska, Krzysztof Ginalski

16.30- **Cytogenomic analyses reveal nuclear content variation along the life cycles of the Pucciniales fungi and enable the distinction of heterokaryotic nuclei**
16.50 Rita Carvalho, Helena Azinheira, Marta Monteiro, João Loureiro, Leonor Morais-Cecílio, Pedro Talhinas

16.50- Discussion
17.00

Taxonomy and systematics

Leader: Jos Houbraken

Old Library

rooms 111-112; 1st floor

14.30- **Recent developments in the (infrageneric) classification of *Aspergillus* and *Penicillium***
14.50 Jos Houbraken, Robert A. Samson, Jens C. Frisvad

14.50- **Anybody seen root galls on graminoid plants? First steps towards understanding the evolution of inconspicuous *Entorrhiza* and its relatives**
15.10 Kai Riess, Max E. Schoen, Rebekka Ziegler, Matthias Lutz, Roger G. Shivas, Marcin Piątek, Sigisfredo Garnica

15.10- ***Chalara* revival – how to treat chalara-like fungi?**
15.30 Ondřej Koukol

15.30- **Polythetic taxonomy of Iranian Hypoxylaceae and Xylariaceae of the Xylariales**
15.50 Mohammad Javad Pourmoghammad, Christopher Lambert, Frank Surup, Kathrin Wittstein, Marc Stadler, Seyed Akbar Khodaparast, Irmgard-Krisai Greilhuber

15.50- **Phylogenetic revision of the basal Dacrymycetes (Basidiomycota): Cerinomycetaceae family**
16.10 Anton Savchenko

16.10- **Patterns of speciation in thallus-forming Laboulbeniomycetes**
16.30 Danny Haelewaters

16.30- **New taxa of Antarctic cryptoendolithic black fungi by multi locus phylogeny**
16.50 Laura Selbmann, Federica Mostardi, Claudia Coleine, Laura Zucconi, Silvano Onofri

16.50- Discussion
17.00

18.00- Welcome, Cultural Event
20.00

Botanical Garden

Tuesday, September 17, 2019 – Warsaw

09.00- **Keynote lecture: Geomycology: metals and minerals, bioremediation and biorecovery**
09.45 Geoffrey Michael Gadd

Old Library
main assembly hall; ground floor

9.45-10.30	Keynote lecture: The Evolutionary Origin and Stability of Cultivation of Termitomyces by Termites <u>Duur Aanen</u>	Old Library main assembly hall; ground floor
10.30-10.45	Discussion	Old Library main assembly hall; ground floor
10.45-11.00	Coffee break	Old Library foyer 1 st floor
11.00-13.30	Parallel Sessions	
	Fungi in Biotechnology Leader: Katarzyna Turnau	Old Library rooms 111-112; 1 st floor
11.00-11.20	Symbiotic fungi as an efficient tool in biotechnology Katarzyna Turnau	
11.20-11.40	Inositol signaling in <i>Schizophyllum commune</i> Erika Kothe	
11.40-12.00	Development of a biotechnology tool for tree stress mitigation under urban context Miguel A. Ramos, Cindy Serafim, Tugce Yilmaz, Kang Yu, Maarten Van Geel, Ben Somers, Thierry Ameglio, Olivier Honnay, Paula M.L. Castro	
12.00-12.20	Screening of strains from wood decay species for advancement of mycelium-based materials technology Carolina Girometta, Stefano Babbini, Rebecca Michela Baiguera, Diego Savio Branciforti, Marco Cartabia, Daniele Dondi, Anna Maria Picco, Elena Savino	
12.20-12.40	Taming the monster or how to control fungal morphology in the submerged cultures Marcin Bizukojć	
12.40-13.00	The genome of the pathogenic white rot fungus <i>Armillaria ostoyae</i> encodes a distinctive genetic potential to degrade aromatic compounds B. Indic, M. Münsterkötter, L. Kredics, <u>Gyoergy Sipos</u>	
13.00-13.20	Lignicolous fungi – natural sources of AChE enzymes inhibitors Maja Karaman	
13.20-13.30	Endophytic fungi improve Ni accumulation of hyperaccumulating plants Rafał Ważny, Piotr Rozpądek, Agnieszka Domka, Roman J. Jędrzejczyk, Katarzyna Turnau	
	Fungal interactions Leader: Martin Bidartondo	Old Library main assembly hall; ground floor

- 11.00- **Interactions of polyporoid fungi affect enzyme activities, release of volatile organic compounds and wood decomposition pattern**
 11.20 Tuulia Mali, Mari Mäki, Hans Mattila, Heidi Hellén, Jussi Heinonsalo, Jaana Bäck, Taina Lundell
- 11.20- **Compositional shift in communities of bacteria and fungi following tree species change from natural birch to planted spruce forests**
 11.40 Sunil Mundra, Luis Morgado, Håvard Kausrud, O. Janne Kjønnaas
- 11.40- **Biology, epidemiology and host range of the downy mildew of sage (*Peronospora salviae-officinalis*)**
 12.00 Mascha Hoffmeister, Wolfgang Maier, Marco Thines
- 12.00- **Competitive interactions between the plant pathogen *Armillaria mellea* and root endophytic *Trichoderma* spp. or the opportunist *A. gallica***
 12.20 Jassy Drakulic, Helen Rees, Matthew Cromey
- 12.20- **Large-scale controls of ectomycorrhizal fungi**
 12.40 Martin Bidartondo
- 12.40- **The impact of Southern Pine bark beetle on the decomposition and fungal success of pitch pine wood in the NJ pine barrens**
 13.00 John Dighton, Ning Zhang, Emily Walsh
- 13.00- Discussion
 13.30

13.30- 14.30	Lunch	Old Library foyer; ground floor
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14.30- **Parallel Sessions**
 16.00

Offered Presentations Session 2	Old Library main assembly hall; ground floor
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- 14.30- **Forest management's alteration of the underground fungal biodiversity in Mediterranean coniferous forest**
 14.40 Segula Masaphy
- 14.40- **Space for time: Soil fungal communities and biomass across a boreal forest age gradient**
 14.50 Luis Morgado, Sunil Mundra, Ella Thoen, O. Janne Kjønnaas, Yngvild Ransedokken, Line Nybakken, Erik Stange, Olav Skarpaas, Björn Nordén, Håvard Kausrud
- 14.50- **Biodiversity and news records of genus *Chaetomium* in Egypt**
 15.00 Ahmed Abdel-Azeem, Vijai Gupta, Robert Blanchette, Benjamin Held
- 15.00- **New data on phytopathogenic Ascomycota of Ukrainian *Polissya***
 15.10 Tetiana Andrianova

15.10- **Confusion in the taxonomy of genus *Phellinus***
15.20 Anuradha Kumari, [Nirmal S. K. Harsh](#), Manoj Kumar

15.20- **A molecular phylogenetic assessment of the genus *Scutellinia* (Pezizales: Pyronemataceae)**
15.30 Paola Angelini, Andrea Arcangeli, Giancarlo Bistocchi, Roberto Venanzoni, Andrea Rubini

15.30- Discussion
16.00

14.30- **Poster Session 2** **Old Library**
16.00 rooms 105-109; poster area; 1st floor

Theme: Medical mycology

P99 **Mycelial cultures of *Lentinula edodes* enriched with bioelements as a potential anti-inflammatory material**
Katarzyna Kała, Joanna Gdula-Argasińska, Anna Zając, Katarzyna Sroczyńska, Agata Krakowska, Bożena Muszyńska

P100 **Role of dephosphorylation of dolichyl diphosphate in protein glycosylation and morphological transitions in *Candida albicans***
Anna Janik, Monika Niewiadomska, Karolina Skorupińska-Tudek, Urszula Perlińska-Lenart, Jacek Lenart, Damian Kołakowski, Ewa Świeżewska, Joanna Kruszewska, Grażyna Palamarczyk

P101 **Dermatophytes isolated from wild rodents**
Stepanka Zarova, Lucie Novakova, Tereza Matejkova, Pavel Stopka, Jakub Kreisinger, Martin Kostovcik, Tomas Vetrovsky, Miroslav Kolarik, Adela Cmokova

P102 ***Cryptococcus* species complex stands out among yeast-like fungi by the ability to form Titan cells *in vitro***
Mariusz Dyląg, Rodney Colon-Reyes, Lukasz Kozubowski

P103 **Antitumor effect of the nigerooligosaccharides obtained by acid-hydrolysis of α -(1 \rightarrow 3)-glucans from fruiting bodies of *Fomitopsis betulina***
Arkadiusz Czerwonka, Adrian Wiater, Iwona Komaniecka, Paulina Adamczyk, Wojciech Rzeski, Małgorzata Pleszczyńska

P104 **Potential of *Aspergillus* proteases usage in biomedicine**
Svetlana Timorshina, Anna Rakova, Aleksandra Ochneva, Daria Bednenko, Alexander Osmolovskiy

P105 **Effectiveness of mycostats and disinfectants on yeast strains isolated from tap water**
Anna Biedunkiewicz, Tomasz Bałabański, Kamila Kulesza, Natalia Lipka

P106 **Mold fungi isolated from the sports locker room**
Tomasz Bałabański, Anna Biedunkiewicz

- P107 **Two poorly defined populations revealed by microsatellite analysis of *Trichophyton rubrum* complex**
Adela Cmokova, Miroslav Kolarik, Vit Hubka
- P108 **Differential gene expression of species from *T. benhamiae* clade**
Lenka Machova, Martin Kostovcik, Miroslav Kolarik, Adela Cmokova
- P109 **Characterization of bioactive compounds and antioxidant activity of some medicinal macromycetes harvested from different regions of Armenia**
Vahagn Gevorgyan, Torgom Seferyan, Lusine Margaryan, Siranush Nanagulyan
- P110 **Elucidating species boundaries between agents of superficial mycoses *Trichophyton interdigitale* and *T. mentagrophytes***
Michaela Švarcová, Vít Hubka
- P111 **Contents of heavy metals, macro- and microelements in selected species of edible mushrooms in NW Poland**
Małgorzata Stasińska, Zofia Sotek, Bogumiła Pilarczyk, Patrycja Radke, Ryszard Malinowski, Agnieszka Tomza-Marciniak, Małgorzata Bąkowska, Mateusz Bocian
- P112 **Yeast *Saccharomyces cerevisiae* as an eukaryotic model to study genotoxicity of potential drugs**
Magdalena Cal, Irwin Matyjaszczyk, Ireneusz Litwin, Daria Augustyniak, Grażyna Majkowska-Skrobek, Rafał Ogórek, Young Ko, Peter Pedersen, Stanisław Ułaszewski
- P113 **Chloroquine & Primaquine Diphosphate as Possible Alternative Drugs for the Treatment of Cryptococcal Infection**
Lynda Madu, Carolina Pohl, Olihile Sebolai
- Theme: Fungal diversity**
- P114 **Distribution of microfungi through soil profiles at the Hallamish dunefield, Negev Desert, Israel**
Isabella Grishkan, Giora Kidron
- P115 **Taxonomic composition of microfungal communities in organic layer under Japanese knotweed**
Karolina Oszust, , Magdalena Frąc, Anna M. Stefanowicz
- P116 **Changes of fungal diversity in soils amended with biofertilizers**
Giorgia Pertile, Agata Gryta, Mateusz Mącik, Magdalena Frąc
- P117 **Cladoniicolous fungi in the Carpathian Basin**
Nóra Varga, László Lőkös, Edit Farkas
- P118 **The diversity of fungi associated with *Quercus rubra* L.: the case of 100-year-old alley in the city center**
Mikołaj Matela, Natalia Stokłosa, Anna Frymark-Szymkowiak, Magdalena Kulczyk-Skrzeszewska, Barbara Kieliszewska-Rokicka

- P119 **Data collecting on distribution of fungi in Latvia by communication with general public**
Inita Daniele, Diana Meiere
- P120 **Macrofungi of Shar Planina the largest mountain range in the Central Balkan**
Katerina Rusevska, Slavica Tofilovska, Mitko Karadelev
- P121 **Fungi colonizing different parts of tomato plant (*Solanum lycopersicum*) in Slovakia**
Martin Pastirčák, Katarína Pastirčáková
- P122 **Soil contamination as a key factor influencing fungal diversity**
Julia Pawłowska, Przemysław Decewicz, Alicja Okrasińska, Łukasz Dziewit, Marta Wrzosek, Somayeh Dolatabadi
- P123 **Fungal endophytes in common wheat (*Triticum aestivum* L.) cultivated in Poland**
Sylwia Salamon, Katarzyna Mikołajczak, Lidia Błaszczyk
- P124 **Hidden from sight - mycorrhizal fungal diversity in South African soils**
Joanna Dames
- P125 **Microfungi (incl. larger Ascomycota) of the Białowieża Forest – synthesis result after 130 years of investigations**
Wiesław Mułenko, Monika Kozłowska, Marek Wołkowycki, Marcin Anusiewicz
- P126 **ITS diversity of the soil mycobiota in a Mediterranean forest ecosystem**
Paulo Oliveira, Beatriz Lourenço, Teresa Freire, Marco Guerreiro, Derek Peršoh
- P127 **Macrofungi Diversity in the Middle East: Survey and Identification of Wild Mushrooms in Lebanon**
Nadine Modad
- P128 **A widely applicable approach to fungal communities succession**
Paulo Oliveira, Cláudia Lopes, Gonçalo Isidoro, Rodrigo Teles, Carlos Vila-Viçosa
- P129 **Fungal diversity of Jagiellonian tapestries**
Łukasz Istel, Magdalena Dyda, Paulina Drabik, Magdalena Ozga, Jerzy Holc, Karolina Szlęk
- P130 **Fungal richness in Acute Oak Decline infected *Quercus robur* L. in Latvia**
Lauma Brūna, Natālija Burņeviča, Tālis Gaitnieks
- P131 **Innovative silvicultural treatments to enhance soil biodiversity in artificial black pine stands: effect on macrofungal diversity.**
Claudia Perini, Debora Barbato, Elena Salerni
- P132 **MycoIndoor: citizen science to unravel the mycobiomes of Norwegian houses**
Pedro M. Martin-Sanchez, Eva Lena F. Estensmo, Maria Nunez, Johan Mattsson, Ingeborg B. Engh, Inger Skrede, Håvard Kauserud

- P133 **Xylotrophic pathogens in orchards of the Middle Russian Upland: new hosts and new localities**
Sergey Volobuev
- P134 **Letters (on fungi) from small islands - comparisons from around the world**
Howard Fox, Maria Cullen
- P135 **Do tourists matter?**
Magdalena Dyda, Łukasz Istel, Paulina Drabik, Sławomir Korzeniowski, Piotr Jarek, Maria Kisiel-Jarek
- P136 **Characterizing fungal microbiota of Romaine lettuce using Sanger and next-generation sequencing platforms**
Danny Haelewaters, Samira Fatemi, Makenna L. Houston, M. Catherine Aime
- P137 **Rhizosphere of wild raspberries as a source of beneficial fungi**
Michał Pylak, Karolina Oszust, Magdalena Frąc
- P138 **Fungi as alien as their host? Microfungi associated with northern red oak (*Quercus rubra* L.) in Poland**
Małgorzata Ruszkiewicz-Michalska, Beata Woziwoda, Małgorzata Stasińska, Sebastian Piskorski, Zuzanna W. Botew
- P139 ***Dothistroma septosporum* mating types observed in Slovakia**
Emília Ondrušková
- Theme: Fungi in primeval forests and other natural habitats**
- P140 **Pathogenic fungi on *Prunus serotina* in selected localizations of north and south Poland - case study**
Katarzyna Patejuk, Wojciech Pusz
- P141 **Spatial distribution of mycelial individuals in populations of two saprotrophic basidiomycetes *Mycetinis alliaceus* and *Gymnopus androsaceus***
Eleonora Bošković, Vladislava Galović, Maja Karaman
- P142 **Relationship between environmental factors and macrofungal communities of different forest stands**
Milana Rakić, Miroslav Marković, Zoran Galić, Srđan Grušanović, Josipa Grušanović, Maja Karaman
- P143 **Macrofungi on fallen oak trunks in the Białowieża Virgin Forest – ecological role of trunk parameters and surrounding vegetation**
Jan Holec, Jan Běťák, Daniel Dvořák, Martin Kříž, Miriam Kuchaříková, Renata Krzyściak-Kosińska, Tomáš Kučera
- P144 **Microscopic fungi colonizing *Ursus spelaeus* bones and their susceptibility to commercially available antifungal preparations**
Ogórek Rafał, Agata Piecuch, Mariusz Dyląg, Katarzyna Niedźwiecka, Magdalena Cał, Artur Sawicki

- P145 **Comparative metagenomic analysis of fungi inhabiting roots of *Deschampsia antarctica* and *Poa annua*, two grass species collected in Antarctica**
Sebastian Piłsyk, Urszula Perlińska-Lenart, Jakub Grzesiak, Anna Znój, Katarzyna Chwedorzewska, Marta Ajchler-Adamska, Kamil Glizia, Joanna S. Kruszewska
- P146 **Aphylophoroid fungi of the Białowieża Forest (Belarus)**
Tatiana Shabashova, Eugene Yurchenko, Darya Belomesyatseva
- P147 **Macrofungi in birch bog forests on anthropogenically transformed raised bogs (NW Poland)**
Małgorzata Stasińska, Zofia Sotek, Ryszard Malinowski, Renata Gamrat, Małgorzata Gałczyńska
- P148 **Effect of deadwood on ectomycorrhizal colonisation of old - growth oak forests**
Jacek Olchowik, Dorota Hilszczańska, Roman Mariusz Bzdyk, Marcin Studnicki, Tadeusz Malewski, Zbigniew Borowski
- P149 **Diverse endophytic fungi colonize indigenous grasses in the Hyrcanian Forest of Iran**
Sara Yazdani-Khameneh, Alireza Golnaraghi, Stephen J. Wylie
- P150 **A new ecosystem and its fungal community: exploratory study of a pristine climatic forest patch in Southern Portugal**
Carlos Vila-Viçosa, Paulo Oliveira
- P151 **Fungal Diversity in Sacred Groves vs. Managed Forests of Epirus, NW Greece**
Stephanos Diamandis, Helen Topalidou
- P152 **The soil microfungi of the Colombian ecosystems**
Ángela Yaneth Landínez-Torres, Solveig Tosi
- Theme: Hypogeous mycorrhizal fungi**
- P153 **Community composition of root-associated fungi in a productive *Tuber aestivum* Vittad. Orchard**
Hanna Szmidla, Dorota Hilszczańska
- P154 **The neglected hypogeous ectomycorrhizal fungi of Artikutza (Northern Navarre, Spain)**
Isabel Salcedo, Julio Cabero, Asun Rodriguez, David Moreno
- P155 **Biogeography and ecology of *Tuber aestivum* in Croatia**
Magdalena Jambrek Fuellhart, Ana Pošta, Željko Zgrablić, Dino Buršić, Ivana Kušan, Neven Matočec, Zdenko Tkalčec, Armin Mešić
- P156 **Diversity of fungi inhabiting resin tapping wounds of Scots pine in Latvia: preliminary results**
Astra Zaluma, Talis Gaitnieks, Natalija Burnevica, Rimvys Vasaitis
- P157 **Diversity and distribution of genus *Tuber* in the Republic of North Macedonia**
Slavica Tofilovska, Katerina Rusevska, Mitko Karadelev, Tine Grebenc

- P158 **Hypogeous fungal diversity in Serbia**
Boris Ivančević, Mirosljub Milenković
- P159 **Morphological and DNA characterization of *Tuber panniferum* ectomycorrhizae**
Giorgio Marozzi, Leonardo Baciarelli Falini, Domizia Donnini
- P160 **Microbiome of fruiting bodies of Burgundy truffle (*Tuber aestivum* Vittad.)**
Urszula Perlińska-Lenart, Sebastian Piśsyk, Elżbieta Gryz, Jadwiga Turło, Dorota Hilszczańska, Joanna S. Kruszewska
- P161 **Evaluational approach to the Red List of hypogeous fungi in Poland**
Maria Ławrynowicz, Piotr Mleczko, Dominika Ślusarczyk
- P162 **TRUE – the revived TAUESG. Truffle Research Union of Europe for a new European truffle perspective**
Žaklina Marjanović, G. Chevalier, Christina Wedén
- Theme: Fungal conservation**
- P163 **Comparative study of wood decaying fungi over a time line from Chakrata in northwest Himalaya in India**
Manoj Kumar, Nirmal S. K. Harsh, Anuradha Kumari
- P164 **Evolution of the populations of ten macromycetes in Belgium since 1940**
André Fraiture
- P165 **Morphologically similar, cryptic taxa of macrolichens of conservation importance in the Carpathian Basin**
Edit Farkas, László Lőkös, Mónika Sinigla, Nóra Varga, Katalin Veres
- P166 **Fungi in the Red Book of Belarus**
Darya Belomesyatseva, Tatiana Shabashova, Olga Gapienko, Yadviga Shaporova, Eugene Yurchenko
- P167 **Inoculation for conservation – developing protocols for inoculating wood-decay fungi into living trees for targeted conservation outcomes**
Matthew Wainhouse, Emma Gilmartin, Lynne Boddy
- P168 **An annotated checklist of rust fungi (Pucciniales) occurring in Portugal reveals endangered species, invasion routes and speciation hotspots**
Rita Carvalho, Rui Figueira, Ana Paula Ramos, Pedro Talhinhos
- P169 **Mycology in Ireland - postcards from the edge**
Maria Cullen, Howard Fox
- P170 **Diversity of macrofungi in the old growth spruce forest of the Stołowe Mts National Park, Poland**
Izabela Kałucka, Andrzej Jagodziński
- P171 **Red list of the andorran fungi**
Manel Niell

P172 **Preliminary analysis of the first year of data on the study of the diversity and production of mushrooms in black pine forests (*Pinus uncinata*)**
Manel Niell

Offered posters

P173 **Oral candidiasis in HIV infected patients and its antifungal susceptibility pattern by disc diffusion method**
Pankaj Chaudhary, Samridhi Basnet, Anu Khadgi, Manisha Chaulagain, Samana Biswokarma

P174 **Evaluation of Three Mushroom Species Ethanol Extracts in the Treatment of Prostate Cancer in Wister Albino Rats and Phytochemical Analysis of the Fungi in Nigeria**
Elizabeth Olawumi Oyebanji, Adedotun Adeyinka Adekunle

P175 **Improvement of bottle cultivation method for automated shiitake(*Leninula edodes*) cultivation.**
Yeun Sug Jeong, Rhim Ryoo, Kang-Hyeon Ka, Hyo-rim Lee, Youngae Park, Yeongseon Jang

16.00-16.30 Coffee break **Old Library**
foyer; 1st floor

16.30-17.30 EMA General Assembly **Old Library**
main assembly hall; ground floor

18.00-20.00 **Open lecture: Mycology: a recent weapon in the forensic armoury**
Patricia E.J. Wiltshire **Copernicus Science Centre**
Wybrzeże Kościuszkowskie 20

Wednesday, September 18, 2019 – Warsaw, Białowieża

09.00-09.45 **Keynote lecture: Comparative Genomics of Smut Fungi to Bridge the Gap between Systematics, Ecology and Function**
Dominik Begerow

Old Library
main assembly hall; ground floor

9.45-10.30 **Keynote lecture: Time to re-think fungal ecological niches? Endophytic abilities in ectomycorrhizal taxa.**
Marc-André Selosse, Laure Schneider-Maunoury, Florent Martos, Julita Minasiewicz

Old Library
main assembly hall; ground floor

10.30-10.45 Discussion

Old Library
main assembly hall; ground floor

10.45-11.00 Coffee break

Old Library
foyer; 1st floor

11.00-13.30 **Parallel Sessions**

Medical mycology

Leader: Michaela Lackner

Old Library

rooms 111-112, 1st floor

11.00-11.20 **Alternative models to study antifungal susceptibility and virulence of pathogenic molds**
Ulrike Binder

11.20-11.40 **Sterol composition of clinically relevant Mucorales and changes resulting from posaconazole treatment**
Christoph Müller, Cornelia Lass-Flörl, Ulrike Binder, Franz Bracher

11.40-12.00 **Unravelling antibiotically active natural products of fungal endophytes from *Leontopodium nivale* subsp. *alpinum***
Martina Oberhofer, Havva Isikoglu, Claudia Haager, Nadine Haubenwallner, Judith Wackerlig, Ernst Urban, Martin Zehl, Christoph Wawrosch, Sergey B. Zotchev

12.00-12.20 **Genetic manipulation in *Mucor circinelloides*, a model organism for mucormycosis**
Francisco Esteban Nicolas Molina, Maria Isabel Navarro Mendoza, Carlos Perez Arquez, Laura Murcia Flores, Carlos Lax, Pablo Martinez Garcia, Eusebio Navarro, Jose Canovas Marquez, Jose Perez Ruiz, Victoriano Garre

12.20-12.40 **Use of a yeast model to improve azole drugs**
Brian Monk, Alia Sagatova, Rajni Wilson, Joel Tyndall, Michaela Lackner, Yasmeen Ruma, Parham Hosseini, Mikhail Keniya

12.40- **Bioactive compounds of Basidiomycota from Northeastern Thailand**
13.00 Pathompong Paomephan, Benjarong Thongbai, Kevin Becker, Chuenchit Boonchird, Marc Stadler

13.00- **Intrinsic short-tailed azole resistance in mucormycetes**
13.20 Michaela Lackner, Mikhail V Keniya, Brian C Monk

13.20- Discussion
13.30

Fungal diversity

Leader: Carrie Andrew

Old Library

main assembly hall; ground floor

11.00- **Keeping an eye on what we, literally, mostly cannot see: fungal diversity and the**
11.20 **identification of “bellwethers” of global change**
Carrie Andrew

11.20- **DNA-barcoding of fungi in Austria - state of the art of the HSRM project at the**
11.40 **University of Vienna**
Irmgard Krisai-Greilhuber

11.40- **Folk knowledge and observations as new sources of information about the**
12.00 **ecology of macrofungi and changes in local mycobiota**
Marcin Kotowski, Łukasz Łuczaj

12.00- **Soil fungal communities in industrial pollution gradients: good models for**
12.20 **testing community assembly hypotheses**
Vladimir Mikryukov, Olesya Dulya

12.20- **How to estimate fungal diversity in bogs?**
12.40 Martina Vašutová, Martin Jiroušek, Michal Hájek

12.40- **Effects of macroclimate and resource on the diversity of tropical wood-**
13.00 **inhabiting fungi**
Boris A. Olou, Nourou S. Yorou, Manuel Striegel, Claus Bässler, Franz-Sebastian Krah

13.00- **Current climate change and distribution patterns of clavarioid fungi**
13.20 **(Agaricomycetes) diversity in the Eurasian Arctic**
Anton Shiryayev

13.20- Discussion
13.30

13.30- Lunch
14.30

Old Library

foyer; ground floor

14.30- bus transfer to Białowieża
18.00 departure of buses from University of Warsaw (Krakowskie Przedmieście 26/28)
arrival of buses to Białowieża (PTTK parking – ul. Kolejowa 17)

18.00- 20.00	Dinner	Białowieża National Park (Park Pałacowy 11, Białowieża)
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Thursday, September 19, 2019 – Białowieża

Excursions to BNP Strict Reserve (in groups of 12 pers.) and to Bison Reserve (3 km from Białowieża) will be organized throughout Thursday and Friday; subscriptions for specific hours will be kept at the reception desk.

9.00- 10.00	Keynote lecture: Białowieża Forest: yesterday, today, tomorrow ... <u>Bogdan Jaroszewicz</u>	Białowieża National Park (Park Pałacowy 11, Białowieża) main hall; ground floor
10.00- 10.15	Discussion	Białowieża National Park (Park Pałacowy 11, Białowieża) main hall; ground floor
10.15- 10.30	Coffee break	Białowieża National Park (Park Pałacowy 11, Białowieża) restaurant; ground floor
10.30- 13.00	Fungi in primeval forests and other natural habitats Leader: Anders Dahlberg	Białowieża National Park (Park Pałacowy 11, Białowieża) main hall; ground floor
10.30- 10.50	Plot-based macrofungi monitoring in taiga zone of West Siberia and sampling event data publishing Nina Filippova	
10.50- 11.10	The occurrence and pathogenicity of <i>Geosmithia</i> spp. associated with two cypress bark beetle <i>Phloeosinus</i> spp. in planted forests in Israel Vineet Meshram, Meirav Elazar, Stanley Freeman	
11.10- 11.30	Combined meta'omics reveal links among fungal community composition, gene expression, and chemical changes in decomposing leaf litter Marco Alexandre Guerreiro, Stephan Kambach, Raphael Stoll, Andreas Brachmann, Dominik Begerow, Derek Peršoh	
11.30- 11.50	Climate structures belowground fungal communities in semi-natural grasslands Ella Thoen, Synnøve S. Botnen, Leticia Pérez-Izquierdo, Line Nybakken, Aud H. Halbritter Rechsteiner, Einar Heegaard, Vigdis Vandvik, Karina E. Clemmensen, Håvard Kausrud, Unni Vik	
11.50- 12.10	Inside Oak – fungal community structure in the heartwood of oak trunks Matthew Wainhouse, Hilary Rogers, Lynne Boddy	
12.10- 12.30	Low fungal host specificity of epiphytic orchids in a Neotropical canopy Christoffer Bugge Harder	

12.30- **Diversity in buried wood - each running metre matters?**
12.50 Marta Wrzosek, Julia Pawłowska, Brunon Malicki, Przemysław Decewicz, Ewa Chećko, Olga Cholewińska, Bogdan Jaroszewicz

12.50- Discussion
13.00

13.00- **Białowieża National Park**
14.00 Lunch (Park Pałacowy 11, Białowieża)
restaurant, ground floor

14.00- Visit in Nature and Forest Museum,
16.00 BNP (in groups 20 pers.; entry each
10 min.; visit 55 min.) **Białowieża National Park**
(Park Pałacowy 11, Białowieża)

18.00- Congress Dinner **"Białowieski" Hotel**
23.00 (Stoczek 218b, Białowieża)

Friday, September 20, 2019 – Białowieża

9.00- Excursion to Białowieża forest with collecting fungi: 1) and 2) parasitic
13.00 micromycetes (limit 2x 12 pers.), 3) Polypores (limit 50 pers.), 4) macromycetes
(limit 50 pers.), 5) miscellaneous (limit 50 pers.)

13.00- **Białowieża National Park**
14.00 Lunch (Park Pałacowy 11, Białowieża)
restaurant; ground floor

14.00- **Keynote lecture: Trees ancient and**
14.45 **young: a veritable feast for wood**
decay fungi **Białowieża National Park**
Lynne Boddy (Park Pałacowy 11, Białowieża)
main hall; ground floor

15.00- **Parallel sessions**
16.30

Hypogeous mycorrhizal fungi **Forest Research Institute**
Leader: Giovanni Pacioni (Park Dyrekcyjny 6, Białowieża)
first floor

15.00- **Competitive dynamics in *Tuber* genus: what do we know?**
15.15 Mirco Iotti, Francesca Ori, Marco Leonardi, Pamela Leonardi, Claude Murat,
Alessandra Zambonelli, Giovanni Pacioni

15.15- **The Algerian desert truffles: taxonomy, distribution and mycorrhizal ecology**
15.30 Fatima El-Houaria Zitouni-Haouar, Zohra Fortas, Hanane Zitouni

15.30- **Hypogeous fungi in the Republic of North Macedonia – what we know and what**
15.45 **can we expect**
Slavica Tofilovska, Katerina Rusevska, Mitko Karadelev, Tine Grebenc

15.45- **Shedding light on the *Tuber mesentericum* complex**
16.00 Marco Leonardi, Mirco Iotti, Gian Luigi Rana, Aurelia Paz-Conde, Daniele Salvi, Giovanni Pacioni

16.00- **Insects inhabiting fruiting bodies of Burgundy truffle (*Tuber aestivum* Vittad.)**
16.15 Aleksandra Rosa-Gruszecka, Dorota Hilszczańska

Small mammals as dispersal agents of hypogeous fungi in the Pieniny Mountains, Western Carpathians
16.15- Patryk Komur, Piotr Chachuła, Joanna Kapusta, Izabela Wierzbowska, Paweł Olejniczak, Kaja Rola, Piotr Mleczko
16.30

Data session

Leader: Dmitry Schigel

Białowieża National Park

(Park Pałacowy 11, Białowieża)
main hall; ground floor

15.00- **The formal and informal sources of data on protected and redlisted species in Poland**
15.20 Małgorzata Ruskiewicz-Michalska, Julia Pawłowska, Anna Kujawa

15.20- **PacBio sequences from material samples are incorporated into UNITE Species Hypotheses datasets**
15.40 Urmas Kõljalg

15.40- **Establishing GBIF infrastructure in Poland: opportunities and challenges**
16.00 Piotr Tykarski

16.00- **Fungi, sequences, and global biodiversity: boosting the impact of mycology through primary data**
16.20 Dmitry Schigel

16.20- Discussion
16.30

16.30-17.00	Coffee break	Białowieża National Park (Park Pałacowy 11, Białowieża) restaurant, ground floor
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17.00-19.30	Workshop 1: Global Fungal Red-listing Leader: David Minter	Białowieża National Park (Park Pałacowy 11, Białowieża) main hall, ground floor
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bus transfer to Topiło (campfire) will be organized for participants of workshop 1 and they could join return trip by narrow-gauge railway

17.00-22.00	narrow-gauge railway trip Hajnówka - Topiło (campfire)	Hajnówka-Topiło
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Saturday, September 21, 2019 – Białowieża, Warsaw

09.00-11.00	Fungal conservation Leader: Susana C. Gonçalves	Białowieża National Park (Park Pałacowy 11, Białowieża) main hall, ground floor
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09.00-09.20	Advancing Fungal Conservation Gregory Mueller	
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09.20-09.40	Fungal conservation in practice – 40 years’ experiences from the Nordic countries Anders Dahlberg	
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09.40-10.00	Deployment of NextGen sequencing in fungal conservation Gareth Griffith	
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10.00-10.20	Medicinal properties of macromycetes in Shikahogh State Reserve of Armenia Lusine Margaryan, Vahagn Gevorgyan, Yeva Hovhannisyan, Siranush Nanagulyan	
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10.20-10.40	What do Polish students know about fungi? A study on mycological education in primary school and nature education centers Igor Siedlecki, Michał Kochanowski, Alicja Okraśńska, Julia Pawłowska, Marta Wrzosek	
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10.40-11.00	Celebrating the Fungi to fight fungal blindness and boost conservation Susana C. Gonçalves, Miguel Ferreira, Joana Cabral-Oliveira, António C. Gouveia, Helena Freitas, M. Teresa Gonçalves, Rita Campos	
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11.00-11.15	Coffee break	Białowieża National Park (Park Pałacowy 11, Białowieża) restaurant; ground floor
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11.15-12.30	ECCF Open Discussion Forum	Białowieża National Park (Park Pałacowy 11, Białowieża) main hall, ground floor
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11.00- 12.30	Workshop 2: Biology of Polypores Leader: Dmitry Schigel	Białowieża Geobotanical Station (Sportowa 19, Białowieża)
12.30- 13.00	Closing Ceremony	Białowieża National Park (Park Pałacowy 11, Białowieża) main hall; ground floor
13.00- 14.00	Lunch	Białowieża National Park (Park Pałacowy 11, Białowieża) restaurant; ground floor
13.00- 17.00, 18.00	Transfer to Warsaw (arrival of first buses to Warsaw ca. 17.00; buses will stop at Warsaw Chopin airport and Warsaw Central Railway Station)	departure from Białowieża National Park (PTTK parking – Kolejowa 17, Białowieża)