

Draft classification of the Fungi. January 13, 2006

Note that this classification includes the Phyla Chytridiomycota and Zygomycota, but in a restricted sense. This also preserves Microsporidiomycota. Several groups formerly in Chytridiomycota and Zygomycota are treated as “incertae sedis” among the Fungi.

Phylum (/Subkingdom)	Subphylum	Class	Subclass	Order	Consultants
<i>Fungi incertae sedis</i>					Naomi Fast James Becnel Charles Vossbrink Kerry O'Donnell Rich Humber Bob Lichtwardt Merlin White Gerald Benny Joyce Longcore David Porter Peter Letcher Sharon Mozley-Standridge
	Harpellomycotina				
				Kickxellales	
				Dimargaritales	
				Harpellales	
				Asellariales	
	Entomophthoromycotina				
				Entomophthorales	
	Blastocladiomycotina				
		Blastocladiomycetes			
				Blastocladales	
	<i>Genera incertae sedis</i>				
				<i>Olpidium</i>	
				<i>Rozella</i>	
				<i>Basidiobolus</i>	
<b>Microsporidiomycota</b>	Microsporidiomycotina	Microsporidiomycetes			
				Aquasporidiales	
				Marinosporidiales	
				Terresporidiales	
				Metchnikovellidiales	
<b>Zygomycota</b>	Mucoromycotina				
				Mucorales	
				Endogonales	
				Mortierellales	
<b>Chytridiomycota</b>	Chytridiomycotina				
		Chytridiomycetes			
				Chytridiales	
				Spizellomycetales	
		Neocallimastigomycetes			
				Neocallimastigales	
		Monoblepharomycetes			

				Monoblepharidales	Arthur Schussler Joe Morton Jim Trappe
<b>Glomeromycota</b>					
				Archaeosporales	
				Diversisporales	
				Glomerales	
				Paraglomerales	
<b>SUBKINGDOM: Dikarya</b>					
<b>Ascomycota</b>					John Taylor Mary Berbee Meredith Blackwell
	Classes Incertae sedis				Junta Sugiyama
		Neoelectomyces			
		Pneumocystidomycetes			
		Schizosaccharomycetes			
		Taphrinomycetes			
	Saccharomycotina				Clete Kurtzman Sung-Oui Suh
		Saccharomycetes			
				Saccharomycetales	
	Pezizomycotina				
		Arthoniomycetes			?
				Arthoniales	
		Dothideomycetes			Pedro Crous Conrad Schoch Mary Berbee Bob Shoemaker Sarah Hambleton Barry Pryor
				Capnodiales	
				Dothideales	
				Hysteriales	
				Jahnulales	
				Myriangiales	
				Patellariales	
				Pleosporales	
		Eurotiomycetes			David Geiser John Pitt Cécile Gueidan Randy Currah Wendy Untereiner
			Chaetothyriomycetidae		
				Chaetothyriales	
				Pyrenulales	
				Verrucariales	
			Eurotiomycetidae		
				Arachnomycetales	
				Ascosphaerales	
				Eurotiales	

				Onygenales	
		Laboulbeniomyces			Meredith Blackwell Alex Weir
				Laboulbeniales	
				Pyxidiophorales	
		Lecanoromycetes			Andre Aptroot Jolanta Miadlikowska Valerie Reeb Thorsten Lumbsch
			Acarosporomycetidae		
				Acarosporales	
			Lecanoromycetidae		
				Lecanorales	
				Peltigerales	
				Teloschistales	
			Ostropomycetidae		
				Agyriales	
				Baeomycetales?	
				Ostropales	
				Pertusariales	
		Leotiomycetes			Linda Kohn Don Pfister Brian Spooner Zheng Wang
				Cyttariales	
				Erysiphales	
				Helotiales	
				Rhytismatales	
				Thelebolales	
		Lichinomycetes			?
				Lichinales	
		Orbiliomycetes			Don Pfister
				Orbiliales	
		Pezizomycetes			Don Pfister Nancy Weber Karen Hansen Brian Spooner
				Pezizales	
		Sordariomycetes			
			Hypocreomycetidae		Amy Rossman Gary Samuels
				Coronophorales	
				Halosphaeriales	
				Hypocreales	
				Microascales	
			Sordariomycetidae		Sabine Hundorf Andy Miller
				Bolinales	
				Chaetosphaeriales	
				Coniochaetales	

				Diaporthales	
				Ophiostomatales	
				Sordariales	
			Xylariomycetidae		Jack Rogers
				Xylariales	
			Sordariomycetes Orders incertae sedis		
				Calosphaeriales	
				Lulworthiales	
				Meliolales	
				Phyllachorales	
				Spathulosporales	
				Trichosphaeriales	
		Pezizomycotina Orders <i>incertae sedis</i>			
				Coryneliales	
				Lahmiales	
				Medeolariales	
				Mycocaliciales	
				Triblidiales	
				Trichotheliales	
<b>Basidiomycota</b>					Franz Oberwinkler Robert Bandoni Eric Swann Brandon Matheny
	Agaricomycotina				Ewald Langer Greg Mueller Scott Redhead Thomas Laessoe Ron Petersen
		Tremellomycetes			Michael Weiss Teun Boekhout
				Cystofilobasidiales	Jack Fell
				Filobasidiales	Michael Weiss
				Tremellales	Michael Weiss Chee-Jen Chen
		Dacrymycetes			Michael Weiss
				Dacrymycetales	
		Agaricomycetes			
			Agaricomycetidae		
				Agaricales	Jean-Marc Moncalvo R. Greg Thorn Karen Hughes Jean Lodge Ursula Peintner Tim Baroni
				Atheliales	Karl-Henrik Larsson Nils Hallenberg
				Boletales	Manfred Binder Nils Hallenberg Roy Halling

				Zhu-Liang Yang Annette Kretzer
			Phallomycetidae	Kentaro Hosaka Wes Colgan Jim Trappe
				Geastrales
				Gomphales
				Hysterangiales
				Phallales
			Agaricomycetes Orders <i>incertae sedis</i>	Michael Weiss Gaston Guzman
				Auriculariales
				Cantharellales
				Jean-Marc Moncalvo Henrik Nilsson Eric Dannell Susan Dunham
				Corticiales
				Karl-Henrik Larsson Nils Hallenberg
				Gloeophyllales
				Hymenochaetales
				Karl-Henrik Larsson Aristoteles Goes-Neto Erast Parmasto
				Polyporales
				Karl-Henrik Larsson Leif Ryvarden Yu-Cheng Dai
				Russulales
				Steve Miller Karl-Henrik Larsson Ellen Larsson Teresa Lebell Bart Buyck
				Sebacinales
				Michael Weiss
				Thelephorales
				Urmaz Kõljalg
				Trechisporales
				Karl-Henrik Larsson
	Urediniomycotina			Cathie Aime Beth Frieders Jose Paulo Sampaio Alvaro Fonseca Michael Weiss Robert Bauer Les Szabo Patricia Crane Tom Bruns Daniel Henk Brenda Wingfield
		Urediniomycetes		
				Helicobasidiales
				Platyglloeales
				Septobasidiales
				Uredinales
				Taxa <i>incertae sedis</i>

		Cystobasidiomycetes			
				Cystobasidiales	
				Erythrobasidiales	
				Taxa <i>incertae sedis</i>	
		Agaricostilbomycetes			
				Agaricostilbales	
		Microbotryomycetes			
				Heterogastridiales	
				Leucosporidiales	
				Microbotryales	
				Sporidiobolales	
				Taxa <i>incertae sedis</i>	
		Atractiellomycetes			
				Atractiellales	
		Urediniomycotina Orders <i>incertae sedis</i>			
				Classicales	
				Cryptomycocolacales	
				Mixiales	
		Urediniomycotina Other taxa <i>incertae sedis</i>			
				“ <i>Mycogloea</i> group”	
				<i>Reniforma strues</i>	
	Ustilaginomycotina				Robert Bauer Dominik Begerow Franz Oberwinkler Meike Piepenbring Lori Carris Lisa Castlebury Kalman Vanky
		Entorrhizomycetes			
				Entorrhizales	
		Exobasidiomycetes			
				Doassansiales	
				Entylomatales	
				Exobasidiales	
				Georgefischeriales	
				Malasseziales	
				Microstromatales	
				Tilletiales	
		Ustilaginomycetes			
				Urocystales	
				Ustilaginales	
	Basidiomycota Order <i>incertae sedis</i>				
				Wallemiales	