

Fungi and Slime Moulds of Queen's University Biological Station – A Preliminary List

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This is a preliminary list of fungi and slime moulds that have been identified at Queen's University Biological Station (QUBS). Though this list is far from complete, as no comprehensive sampling of fungi has even been conducted across all 3000 ha of QUBS land, it serves as a first step to documenting the mycological diversity at the station. This list was compiled from two main sources: species lists prepared during two short autumn fungi workshops lead by Richard Aaron in 2009 and 2011, and the field notes of Mark Andrew Conboy which include incidental observations of fungi and slime moulds from 2008 through 2011. The specific identification of some fungi is extremely complex. As such, many fungi that have been found at QUBS by casual observers remain unidentified beyond the genus level and most of those have been excluded from this list. The species on this list are arranged into non-taxonomic groups based on growth form and other phenotypic characteristics, because it is a more user-friendly system for those without extensive knowledge of fungi systematics. The Kingdom Fungi contains a vast number of species which are constantly undergoing taxonomic revisions and reclassifications. In light of this, we have made an effort to use the most up-to-date scientific names. We treat slime moulds in this list as well because they were once classified in the Kingdom Fungi, but phylogenetic work reveals that they are polyphyletic and are now classified in Amoebozoa among other kingdoms. Common names for fungi and slime moulds are given when there are widely used ones listed in field guides or on the internet, but it should be cautioned that there exists no official list of common names so their utility is somewhat limited. Station visitors are strongly encouraged to add additional species to this list in order to make it more comprehensive. Please send records (as well as comments and suggestions) to mconboy@lakeheadu.ca.

GILLED FUNGI

- | | | |
|--------------------------|------------------------------------|-------------------|
| <input type="checkbox"/> | <i>Agaricus campestris</i> | Meadow mushroom |
| <input type="checkbox"/> | <i>Agaricus diminutivus</i> | |
| <input type="checkbox"/> | <i>Agaricus bitorquis</i> | Sidewalk mushroom |
| <input type="checkbox"/> | <i>Agaricus micromegathus</i> | |
| <input type="checkbox"/> | <i>Agrocybe molesta</i> | |
| <input type="checkbox"/> | <i>Amanita citrina</i> | |
| <input type="checkbox"/> | <i>Amanita flavoconia</i> | Yellow patches |
| <input type="checkbox"/> | <i>Amanita fulva</i> | Tawny grisette |
| <input type="checkbox"/> | <i>Amanita gemmata</i> | |
| <input type="checkbox"/> | <i>Amanita muscaria</i> | Fly agaric |
| <input type="checkbox"/> | <i>Amanita sinicoflava</i> | |
| <input type="checkbox"/> | <i>Amanita virosa</i> | Destroying angel |
| <input type="checkbox"/> | <i>Armillaria mellea</i> (complex) | Honey mushroom |
| <input type="checkbox"/> | <i>Baeospora myosura</i> | |
| <input type="checkbox"/> | <i>Cantharellus cibarius</i> | Chanterelle |

<input type="checkbox"/>	<i>Cantharellus cinnabarinus</i>	Cinnabar chanterelle
<input type="checkbox"/>	<i>Cantharellus lutescens</i>	
<input type="checkbox"/>	<i>Clitocybe candicans</i>	
<input type="checkbox"/>	<i>Clitocybe ectypoides</i>	
<input type="checkbox"/>	<i>Clitocybe gibba</i>	
<input type="checkbox"/>	<i>Clitopilus prunulus</i>	The miller
<input type="checkbox"/>	<i>Conocybe filaris</i>	
<input type="checkbox"/>	<i>Coprinus atramentarius</i>	Tippler's bane
<input type="checkbox"/>	<i>Coprinus comatus</i>	Shaggy mane
<input type="checkbox"/>	<i>Coprinus dilectus</i>	
<input type="checkbox"/>	<i>Coprinus micaceus</i>	Mica cap
<input type="checkbox"/>	<i>Cortinarius alboviolaceus</i>	
<input type="checkbox"/>	<i>Cortinarius violaceus</i>	
<input type="checkbox"/>	<i>Craterellus cornucopioides</i>	Black trumpet
<input type="checkbox"/>	<i>Craterellus fallax</i>	Black trumpet
<input type="checkbox"/>	<i>Crepidotus applanatus</i>	
<input type="checkbox"/>	<i>Crepidotus cinnabarinus</i>	
<input type="checkbox"/>	<i>Crepidotus crocophyllus</i>	
<input type="checkbox"/>	<i>Crepidotus mollis</i>	
<input type="checkbox"/>	<i>Cyptotrama asprata</i>	
<input type="checkbox"/>	<i>Entoloma abortivum</i>	Aborted entoloma
<input type="checkbox"/>	<i>Flammulina velutipes</i>	Velvet foot
<input type="checkbox"/>	<i>Galerina autumnalis</i>	Deadly galerina
<input type="checkbox"/>	<i>Gymnopilus spectabilis</i>	Big laughing Jim
<input type="checkbox"/>	<i>Gymnopus confluens</i>	
<input type="checkbox"/>	<i>Hebeloma crustuliniforme</i>	Poison pie
<input type="checkbox"/>	<i>Hygrocybe cantharellus</i>	
<input type="checkbox"/>	<i>Hygrocybe ceracea</i>	
<input type="checkbox"/>	<i>Hygrocybe conica</i>	
<input type="checkbox"/>	<i>Hygrocybe flavescens</i>	
<input type="checkbox"/>	<i>Hygrocybe marginata</i>	
<input type="checkbox"/>	<i>Hygrocybe miniata</i>	
<input type="checkbox"/>	<i>Hygrocybe pratensis</i>	
<input type="checkbox"/>	<i>Hygrocybe psittacina</i>	Parrot mushroom
<input type="checkbox"/>	<i>Hygrocybe punicea</i>	
<input type="checkbox"/>	<i>Hygrocybe virginea</i>	
<input type="checkbox"/>	<i>Hygrophoropsis aurantiaca</i>	False chanterelle
<input type="checkbox"/>	<i>Hygrophorus pudorinus</i>	
<input type="checkbox"/>	<i>Hypholoma capnoides</i>	
<input type="checkbox"/>	<i>Hypholoma sublateritium</i>	Brick tops
<input type="checkbox"/>	<i>Inocybe geophylla</i> var. <i>geophylla</i>	

<input type="checkbox"/>	<i>Laccaria bicolor</i>	
<input type="checkbox"/>	<i>Laccaria laccata</i>	
<input type="checkbox"/>	<i>Lactarius aquifluus</i>	
<input type="checkbox"/>	<i>Lactarius deterrimus</i>	
<input type="checkbox"/>	<i>Lactarius griseus</i>	
<input type="checkbox"/>	<i>Lactarius lignyotus</i>	
<input type="checkbox"/>	<i>Lactarius indigo</i>	
<input type="checkbox"/>	<i>Lactarius rufus</i>	
<input type="checkbox"/>	<i>Lentinellus cochleatus</i>	
<input type="checkbox"/>	<i>Lepiota clypeolaria</i>	
<input type="checkbox"/>	<i>Lepista nuda</i>	Blewit
<input type="checkbox"/>	<i>Leptonia incana</i>	
<input type="checkbox"/>	<i>Leptonia serrulata</i>	
<input type="checkbox"/>	<i>Leucoagaricus naucinus</i>	
<input type="checkbox"/>	<i>Leucopaxillus albissimus</i>	
<input type="checkbox"/>	<i>Marasmiellus epiphyllus</i>	
<input type="checkbox"/>	<i>Marasmius capillaris</i>	
<input type="checkbox"/>	<i>Marasmius cohaerens</i>	
<input type="checkbox"/>	<i>Marasmius pulcherripes</i>	
<input type="checkbox"/>	<i>Marasmius rotula</i>	
<input type="checkbox"/>	<i>Marasmius siccus</i>	
<input type="checkbox"/>	<i>Mycena corticola</i>	
<input type="checkbox"/>	<i>Mycena haematopus</i>	Bleeding Mycena
<input type="checkbox"/>	<i>Mycena leaiana</i>	
<input type="checkbox"/>	<i>Mycena pura</i>	
<input type="checkbox"/>	<i>Mycena subcaerulea</i>	
<input type="checkbox"/>	<i>Omphalotus olearius</i>	Jack o'lantern
<input type="checkbox"/>	<i>Panaeolina foenisecii</i>	Haymaker's mushroom
<input type="checkbox"/>	<i>Panaeolus sphinctrinus</i>	
<input type="checkbox"/>	<i>Panellus serotinus</i>	Late fall oyster
<input type="checkbox"/>	<i>Panellus stipticus</i>	
<input type="checkbox"/>	<i>Pholiota aurivella</i>	
<input type="checkbox"/>	<i>Pholiota squarrosa</i>	
<input type="checkbox"/>	<i>Pholiota squarrosoides</i>	
<input type="checkbox"/>	<i>Phyllogaster saccatus</i>	
<input type="checkbox"/>	<i>Phyllostopsis nidulans</i>	Orange mock oyster
<input type="checkbox"/>	<i>Pleurocybella porrigens</i>	Angel's wings
<input type="checkbox"/>	<i>Pleurotus dryinus</i>	
<input type="checkbox"/>	<i>Pleurotus ostreatus</i>	Oyster mushroom
<input type="checkbox"/>	<i>Plicaturopsis crispa</i>	
<input type="checkbox"/>	<i>Pluteus cervinus</i>	Deer mushroom

- Pluteus granularis*
- Rhodocollybia butyracea*
- Rhodocybe mundula*
- Rhodotus palmatus*
- Russula brevipes*
- Russula emetica*
- Russula laurocerasi*
- Russula nigricans*
- Russula paludosa*
- Schizophyllum commune* Common split gill
- Tricholoma columbetta*
- Tricholoma leucophyllum*
- Tricholoma michiganense*
- Tricholoma odorum*
- Tricholoma sulphurescens*
- Xerula furfuracea*
- Xerula megalospora*

BOLETES

- Boletellus chrysenteroides*
- Boletus edulis* King bolete
- Boletus ornatipes*
- Boletus subglabripes*
- Gyroporus cyanescens*
- Leccinum atrostitipitatum*
- Leccinum scabrum*
- Phylloporus rhodoxanthus* Gilled bolete
- Strobilomyces strobilaceus* Old man of the woods
- Suillus americanus* Chicken-fat Suillus
- Suillus granulatus*
- Suillus salmonicolor*

POLYPORES, BRACETS & RESUPINATE FUNGI

- Bjerkandera adusta*
- Cerrena unicolor*
- Daedaleopsis confragosa* Thin-maze Flat Polypore
- Favolus alveolaris* Hexagonal-pored polypore
- Fomes fomentarius* Tinder polypore
- Fomitopsis pinicola* Red-belted polypore
- Ganoderma applanatum* Artist's conk

<input type="checkbox"/>	<i>Ganoderma lucidum</i>	Ling chih
<input type="checkbox"/>	<i>Ganoderma tsugae</i>	Hemlock varnish shelf
<input type="checkbox"/>	<i>Heterobasidion annosum</i>	
<input type="checkbox"/>	<i>Inonotus obliquus</i>	Chaga
<input type="checkbox"/>	<i>Irpex lacteus</i>	
<input type="checkbox"/>	<i>Ischnoderma resinosum</i>	
<input type="checkbox"/>	<i>Laetiporus sulphureus</i>	Chicken of the woods
<input type="checkbox"/>	<i>Lenzites betulina</i>	
<input type="checkbox"/>	<i>Oxyporus populinus</i>	Mossy maple polypore
<input type="checkbox"/>	<i>Peniophora rufa</i>	
<input type="checkbox"/>	<i>Phaeolus schweinitzii</i>	Dye polypore
<input type="checkbox"/>	<i>Phellinus gilvus</i>	
<input type="checkbox"/>	<i>Phellinus igniarius</i>	
<input type="checkbox"/>	<i>Phellinus tremulae</i>	
<input type="checkbox"/>	<i>Phlebia incarnata</i>	
<input type="checkbox"/>	<i>Phlebia radiata</i>	
<input type="checkbox"/>	<i>Phlebia tremellosa</i>	
<input type="checkbox"/>	<i>Piptoporus betulinus</i>	Birch polypore
<input type="checkbox"/>	<i>Plicaturopsis crispa</i>	
<input type="checkbox"/>	<i>Polyporus arcularius</i>	Spring polypore
<input type="checkbox"/>	<i>Polyporus badius</i>	
<input type="checkbox"/>	<i>Polyporus brumalis</i>	Winter polypore
<input type="checkbox"/>	<i>Polyporus squamosus</i>	Dryad's saddle
<input type="checkbox"/>	<i>Polyporus varius</i>	
<input type="checkbox"/>	<i>Postia caesia</i>	Blue cheese polypore
<input type="checkbox"/>	<i>Postia fragilis</i>	
<input type="checkbox"/>	<i>Pycnoporus cinnabarinus</i>	Cinnabar polypore
<input type="checkbox"/>	<i>Stereum complicatum</i>	
<input type="checkbox"/>	<i>Stereum ostrea</i>	False turkey tail
<input type="checkbox"/>	<i>Stereum striatum</i>	
<input type="checkbox"/>	<i>Thelephora terrestris</i>	
<input type="checkbox"/>	<i>Trametes conchifer</i>	
<input type="checkbox"/>	<i>Trametes hirsuta</i>	
<input type="checkbox"/>	<i>Trametes pubescens</i>	
<input type="checkbox"/>	<i>Trametes versicolor</i>	Turkey tail
<input type="checkbox"/>	<i>Trichaptum abietinum</i>	Violet-toothed polypore
<input type="checkbox"/>	<i>Trichaptum bifforme</i>	Violet-toothed polypore
<input type="checkbox"/>	<i>Tyromyces chioneus</i>	White cheese polypore
<input type="checkbox"/>	<i>Tyromyces fissilis</i>	

PUFFBALLS & SIMILAR

- | | | |
|--------------------------|--------------------------------|-------------------------|
| <input type="checkbox"/> | <i>Calvatia cyathiformis</i> | |
| <input type="checkbox"/> | <i>Calvatia excipuliformis</i> | |
| <input type="checkbox"/> | <i>Calvatia gigantea</i> | Giant puffball |
| <input type="checkbox"/> | <i>Lycoperdon molle</i> | |
| <input type="checkbox"/> | <i>Lycoperdon perlatum</i> | Gem-studded puffball |
| <input type="checkbox"/> | <i>Lycoperdon pyriforme</i> | Pear-shaped puffball |
| <input type="checkbox"/> | <i>Scleroderma citrinum</i> | Pigskin poison puffball |

BIRD'S NEST FUNGI

- | | | |
|--------------------------|----------------------------|--------------------|
| <input type="checkbox"/> | <i>Cyathus stercoreus</i> | Bird's nest fungus |
| <input type="checkbox"/> | <i>Nidularia pulvinata</i> | |

EARTHSTARS

- | | | |
|--------------------------|-----------------------------|--------------------|
| <input type="checkbox"/> | <i>Geastrum quadrifidum</i> | |
| <input type="checkbox"/> | <i>Geastrum rufescens</i> | |
| <input type="checkbox"/> | <i>Geastrum saccatum</i> | |
| <input type="checkbox"/> | <i>Geastrum triplex</i> | Collared earthstar |

STINKHORNS

- | | | |
|--------------------------|--------------------------|---------------|
| <input type="checkbox"/> | <i>Mutinus ravenelii</i> | Dog stinkhorn |
|--------------------------|--------------------------|---------------|

TOOTH FUNGI

- | | | |
|--------------------------|----------------------------------|----------------|
| <input type="checkbox"/> | <i>Climacodon septentrionale</i> | Northern tooth |
| <input type="checkbox"/> | <i>Hericium americanum</i> | Bear's head |
| <input type="checkbox"/> | <i>Hericium coralloides</i> | Comb tooth |
| <input type="checkbox"/> | <i>Hericium erinaceus</i> | Lion's mane |
| <input type="checkbox"/> | <i>Hydnellum peckii</i> | |
| <input type="checkbox"/> | <i>Hydnum umbilicatum</i> | |
| <input type="checkbox"/> | <i>Hydnum repandum</i> | Sweet tooth |
| <input type="checkbox"/> | <i>Mycorrhaphium adustum</i> | |
| <input type="checkbox"/> | <i>Steccherinum ochraceum</i> | |

CORAL FUNGI

- | | | |
|--------------------------|----------------------------------|--|
| <input type="checkbox"/> | <i>Clavaria vermicularis</i> | |
| <input type="checkbox"/> | <i>Clavicornia pyxidata</i> | |
| <input type="checkbox"/> | <i>Clavulina cristata</i> | |
| <input type="checkbox"/> | <i>Clavulinopsis corniculata</i> | |

- Ramaria botrytis*
- Ramariopsis laeticolor*

RUSTS, BLIGHTS & SMUTS

- | | |
|--|-------------------------|
| <input type="checkbox"/> <i>Cronartium ribicola</i> | White pine blister rust |
| <input type="checkbox"/> <i>Gymnosporangium juniperi-virginianae</i> | Cedar-apple rust |
| <input type="checkbox"/> <i>Naohidemyces vaccinii</i> | Hemlock-blueberry rust |
| <input type="checkbox"/> <i>Rhytisma punctatum</i> | Maple tar spot |
| <input type="checkbox"/> <i>Venturia macularis</i> | Poplar shoot blight |

JELLY FUNGI

- | | |
|---|------------------|
| <input type="checkbox"/> <i>Ascocoryne cylichnium</i> | |
| <input type="checkbox"/> <i>Dacrymyces palmatus</i> | Orange jelly |
| <input type="checkbox"/> <i>Dacryopinax spathularia</i> | |
| <input type="checkbox"/> <i>Exidia glandulosa</i> | Black jelly roll |
| <input type="checkbox"/> <i>Exidia recisa</i> | |
| <input type="checkbox"/> <i>Tremella mesenterica</i> | Witch's butter |
| <input type="checkbox"/> <i>Tremella reticulata</i> | |

CUP FUNGI

<input type="checkbox"/>	<i>Aleuria aurantia</i>	Orange peel
<input type="checkbox"/>	<i>Aleuria rhenana</i>	False orange peel
<input type="checkbox"/>	<i>Bisporella citrina</i>	Lemon drops
<input type="checkbox"/>	<i>Chlorencoelia versiformis</i>	
<input type="checkbox"/>	<i>Chlorociboria aeruginascens</i>	Blue-stain fungus
<input type="checkbox"/>	<i>Peziza micropus</i>	
<input type="checkbox"/>	<i>Peziza repanda</i>	
<input type="checkbox"/>	<i>Peziza succosa</i>	
<input type="checkbox"/>	<i>Peziza vesiculosa</i>	
<input type="checkbox"/>	<i>Sarcoscypha austriaca</i>	Scarlet cup
<input type="checkbox"/>	<i>Sarcoscypha occidentalis</i>	Stalked scarlet cup
<input type="checkbox"/>	<i>Scutellinia scutellata</i>	Eyelash cup
<input type="checkbox"/>	<i>Scutellinia setosa</i>	
<input type="checkbox"/>	<i>Urnula craterium</i>	Devil's urn

MORELS & SIMILAR

<input type="checkbox"/>	<i>Gyromitra esculenta</i>	False morel
<input type="checkbox"/>	<i>Helvella atra</i>	
<input type="checkbox"/>	<i>Helvella elastica</i>	Common elfin saddle
<input type="checkbox"/>	<i>Helvella lacunosa</i>	Black elfin saddle
<input type="checkbox"/>	<i>Morchella elata</i>	Black morel
<input type="checkbox"/>	<i>Morchella esculenta</i>	Yellow morel
<input type="checkbox"/>	<i>Morchella semilibera</i>	Half-free morel
<input type="checkbox"/>	<i>Ptychoverpa bohemica</i>	
<input type="checkbox"/>	<i>Underwoodia columnaris</i>	

CLUB FUNGI & EARTHTONGUES

<input type="checkbox"/>	<i>Cordyceps ophioglossoides</i>	
<input type="checkbox"/>	<i>Geoglossum difforme</i>	Common earth tongue
<input type="checkbox"/>	<i>Leotia viscosa</i>	Green-capped jelly baby
<input type="checkbox"/>	<i>Microglossum rufum</i>	Orange earth tongue
<input type="checkbox"/>	<i>Spathularia flavida</i>	Yellow fairy fan
<input type="checkbox"/>	<i>Trichoglossum hirsutum</i>	Hairy earth tongue
<input type="checkbox"/>	<i>Xylaria hypoxylon</i>	Carbon antlers
<input type="checkbox"/>	<i>Xylaria longipes</i>	
<input type="checkbox"/>	<i>Xylaria polymorpha</i>	Dead man's fingers

TRUFFLES

- Elaphomyces* sp. False truffle

CARBONBALLS & CUSHIONS

- Apiosporina morbosa* Black knot
- Daldinia concentrica* Carbon balls
- Hypoxylon fragiforme* Beech hypoxylon
- Ustulina deusta*

PARASITIC HYPOMYCES

- Hypomyces lactifluorum* Lobster mushroom

OTHER FUNGAL FORMS

- Eutypella parasitica* Eutypella canker
- Hymenoscyphus fructigenus* Acorn cup fungus
- Ophiostoma* sp. Elm disease sp.
- Phaeocalicium polyporaeum*
- Sirococcus clavignenti-juglandacearum* Butternut canker
- Taphrina pruni* Plum pocket

SLIME MOULDS

- Brefeldia maxima* Tapioca slime mould
- Ceratiomyxa fruticulosa* Coral slime mould
- Fuligo septica* Scrambled-egg slime mould
- Leocarpus fragilis* Insect-egg slime mould
- Lycogala epidendrum* Wolf's milk slime mould
- Metatrachia vesparium*
- Mucilago crustacea*
- Stemonitis axifera* Chocolate tube slime mould
- Trichia varia*