

***Schizophyllum commune* Bibliography, May 2004**

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Ahmad, S. S. (1969). Studies on Hyphal Fusions in the Wood-Rotting Fungus, *Schizophyllum commune*: State University of New York at Buffalo.

Ahmad, S. S. & Miles, P. G. (1970). Hyphal Fusions in the Wood-Rotting Fungus *Schizophyllum commune*. I. The Effects of Incompatibility Factors. Genet Res 15, 19-28.

Aitken, W. B. (1970). *Schizophyllum commune* Basidiospore Germination: Biochemical and Physiological Alterations: Indiana University.

Aitken, W. B. & Niederpruem, D. J. (1972). Isotopic Studies of Carbohydrate Metabolism During Basidiospore Germination in *Schizophyllum commune*. I. Uptake of Radioactive Glucose and Sugar Alcohols. Arch Mikrobiol.

Aitken, W. B. & Niederpruem, D. J. (1973). Isotopic Studies of Carbohydrate Metabolism During Basidiospore Germination in *Schizophyllum commune*. II. Changes in Specifically Labeled Glucose and Sugar Alcohol Utilization. Arch Mikrobiol.

Alic, M., Clark, E. K., Kornegay, J. R. & Gold, M. H. (1990). Transformation of *Phanerochaete chrysosporium* and *Neurospora crassa* with adenine biosynthetic genes from *Schizophyllum commune*. Current genetics 17, 305-311.

Amitani, R., Nishimura, K., Mimi, A., Kobayashi, H., Nawada, R., Murayama, T., Taguchi, H. & Kuze, F. (1996). Bronchial Mucoid Impaction Due to the Monokaryotic Mycelium of *Schizophyllum commune*. Clinical infectious diseases : an official publication of the Infectious Diseases Society of America 22, 3.

Anderson, M. R. & Deppe, C. S. (1976). Control of Fungal Development. I. The Effects of Two Regulatory Genes on Growth in *Schizophyllum commune*. Dev Biol 53, 21-29.

Anderson, M. R. & Deppe, C. S. (1977). Selection for Conditional Lethals: A General Negative Selective System for [the Filamentous Fungus] *Schizophyllum commune*. Genet Res 29, 93-96.

Asada, Y., Yue, C. L., Wu, J., Shen, G. P., Novotny, C. P. & Ullrich, R. C. (1997). *Schizophyllum commune* A alpha mating-type proteins, Y and Z, form complexes in all combinations in vitro. Genetics 147, 117-123.

Asbirk, S. (1976). Udbredelsen Af Svampen Klovblad, *Schizophyllum commune*, I Danmark. Flora Fauna 82, 83-84.

Asgeirsdottir, S. A., Schuren, F. H. J. & Wessels, J. G. H. (1994). Assignment of genes to pulse-field separated chromosomes of *Schizophyllum commune*. Mycological research 98, 689-693.

- Asgeirsdottir, S. A., Wetter, M. A. v. & Wessels, J. G. H. (1995). Differential expression of genes under control of the mating-type genes in the secondary mycelium of *Schizophyllum commune*. Microbiology 141, 8.
- Bartholomew, K., Dos Santos, G., Dumonceaux, T., Charles, T. & Archibald, F. (2001). Genetic transformation of *Trametes versicolor* to phleomycin resistance with the dominant selectable marker shble. Applied Microbiology and Biotechnology 56, 201-204.
- Belsare, D. K. & Prasad, D. Y. (1988). Decolorization of effluent from the bagasse-based pulp mills by white-rot fungus, *Schizophyllum commune*. Applied microbiology and biotechnology 28, 301-304.
- Biely, P., Cote, G. L., Kremnicky, L., Weisleder, D. & Greene, R. V. (1996). Substrate specificity of acetylxy lan esterase from *Schizophyllum commune*: mode of action on acetylated carbohydrates. Biochimica et biophysica acta = International journal of biochemistry and biophysics 1298, 209-222.
- Bilbrey, R. E., Penheiter, A. R., Gathman, A. C. & Lilly, W. W. (1996). Characterization of a novel phenylalanine-specific aminopeptidase from *Schizophyllum commune*. Mycological research 100, 462-466.
- Binder, M., Hibbett, D. S. & Molitoris, H. P. (2001). Phylogenetic relationships of the marine gasteromycete *Nia vibrissa*. Mycologia 93, 679-688.
- Borchers, A. T., Stern, J. S., Hackman, R. M., Keen, C. L. & Gershwin, M. E. (1999). Mushrooms, tumors, and immunity. Proceedings of the Society for Experimental Biology and Medicine 221, 281-293.
- Brasier, C. M. (1970). Variation in a Natural Population of *Schizophyllum commune*. Amer Natur 104, 191-204.
- Braun, M. L. & Niederpruem, D. J. (1969). Erythritol Metabolism in Wild-Type and Mutant Strains of *Schizophyllum commune*. J Bacteriol 100, 625-634.
- Bray, M. R. (1990). Characterization and Chemical Modification Studies of Xylanase a from *Schizophyllum commune*: University of Guelph (Canada).
- Bray, M. R. (1994). The Catalytic Process of *Schizophyllum commune* Xylanase A: University of Guelph (Canada).
- Bray, M. R. & Clarke, A. J. (1991). Pattern of xylo-oligosaccharide hydrolysis and subsite structure of *Schizophyllum commune* xylanase A. Progress in biotechnology, 423-428.
- Bray, M. R. & Clarke, A. J. (1992). Action pattern of xylo-oligosaccharide hydrolysis by *Schizophyllum commune* xylanase A. European journal of biochemistry 204, 191-196.
- Bray, M. R. & Clarke, A. J. (1994). Identification of a glutamate residue at the active site of xylanase A from *Schizophyllum commune*. European journal of biochemistry 219, 821-827.
- Bray, M. R. & Clarke, A. J. (1995). The structure and function relationship of *Schizophyllum commune* xylanase A. In Carbohydrate bioengineering : proceedings of an international

conference, Elsinore, Denmark, 23-26 April, 1995, pp. 147-163. Amsterdam ; New York: Elsevier.

Bray, M. R. & Clarke, A. J. (1995). Identification of an Essential Tyrosyl Residue in the Binding Site of *Schizophyllum commune* Xylanase A. *Biochemistry* 34, 2006.

Bromberg, S. K. (1976). Genetic Control of Basidiospore Development in *Schizophyllum commune*: Univ. Of Medicine and Dentistry of N.J. Grad. Sch. Of Biomed. Sci.

Bromberg, S. K. & Schwalb, M. N. (1976). Studies on Basidiospore Development in *Schizophyllum commune* [Fungi]. *J Gen Microbiol* 96, 409-413.

Bromberg, S. K. & Schwalb, M. N. (1977). Isolation and Characterization of Temperature Sensitive Sporulationless Mutants of the Basidiomycete *Schizophyllum commune* [Fungi]. *Can J Genet Cytol* 19, 477-481.

Bromberg, S. K. & Schwalb, M. N. (1978). Sporulation in *Schizophyllum commune* [Fungi]: Changes in Enzyme Activity. *Mycologia* 70, 481-486.

Buckner, B., Novotny, C. P. & Ullrich, R. C. (1988). Developmental regulation of the methylation of the ribosomal DNA in the basidiomycete fungus *Schizophyllum commune*. *Current genetics* 14, 105-111.

Buckner, B., Novotny, C. P. & Ullrich, R. C. (1988). Organization of the ribosomal RNA genes of *Schizophyllum commune*. *Current genetics* 13, 417-424.

Buzina, W., Lang-Loidolt, D., Braun, H., Freudenschuss, K. & Stammberger, H. (2001). MYCOLOGY - Development of Molecular Methods for Identification of *Schizophyllum commune* from Clinical Samples. *Journal of clinical microbiology* 39, 6.

Carmi, P., Koltin, Y. & Stamberg, J. (1978). Meiosis in *Schizophyllum commune* [Fungi]: Premeiotic DNA Replication and Meiotic Synchrony Induced with Hydroxyurea. *Genet Res* 31, 215-226.

Carmi, P., Raudaskoski, M., Stamberg, J. & Koltin, Y. (1977). Meiosis in *Schizophyllum commune* [Fungi]: The Effect of Hydroxyurea on Basidiospore Sporulation, Germination, and Nuclear Number. *Mol Gen Genet (Mgg)*.

Casselton, L. A. (1975). Control of Nuclear Migration in Basidiomycetes [Fungi, *Coprinus Lagopus*, *Schizophyllum commune*]. In *Proc Intersect Congr Int Assoc Microbiol Soc*.

Casselton, L. A. & Olesnick, N. S. (1998). Molecular genetics of mating recognition in basidiomycete fungi. *Micro. Mol. Biol. Rev.* 62, 55-70.

Chang, S. T. & Wai, C. C. (1971). A Dome Morphological Mutant Linked to the B Incompatibility Factor of *Schizophyllum commune*. *Genetics* 68, 13-19.

Chen, H. & McCormick, D. B. (1997). Riboflavin 5'-hydroxymethyl oxidation: molecular cloning, expression, and glycoprotein nature of the 5'-aldehyde-forming enzyme from *Schizophyllum commune*. *The Journal of biological chemistry* 272, 20077-20081.

- Chiu, S. C. & Tzean, S. S. (1995). Glucanolytic enzyme production by *Schizophyllum commune* Fr. during mycoparasitism. *Physiological and molecular plant pathology* 46, 83-94.
- Clark, S., Campbell, C. K., Sandison, A. & Choa, D. I. (1996). *Schizophyllum commune*: An Unusual Isolate from a Patient with Allergic Fungal Sinusitis. *The Journal of infection* 32, 147.
- Clarke, A. J. (1987). Essential tryptophan residues in the function of cellulase from *Schizophyllum commune*. *Biochimica et biophysica acta* 912, 424-431.
- Clarke, A. J. (1990). Chemical modification of a beta-glucosidase from *Schizophyllum commune*: evidence for essential carboxyl groups. *Biochimica et biophysica acta : International journal of biochemistry and biophysics* 1040, 145-152.
- Clarke, A. J. & Yaguchi, M. (1985). The role of carboxyl groups in the function of endo-beta-1,4-glucanase from *Schizophyllum commune*. *European journal of biochemistry* 149, 233-238.
- Clarke, A. J. & Yaguchi, M. (1986). Difference spectrophotometric study on the interaction of cellulase from *Schizophyllum commune* with substrate and inhibitors. *Biochimica et biophysica acta* 870, 401-407.
- Clarke, A. J. & Strating, H. (1989). Affinity labelling of *Schizophyllum commune* cellulase with [1-3H]-4,5-epoxypentyl beta-cellobioside: synthesis of inhibitor and stoichiometry of interaction. *Carbohydrate research* 188, 245-250.
- Clarke, A. J., Drummelsmith, J. & Yaguchi, M. (1997). Identification of the catalytic nucleophile in the cellulase from *Schizophyllum commune* and assignment of the enzyme to Family 5, subtype 5 of the glycosidases (FEBS 19197). *FEBS letters* 414, 3.
- Connolly, V. & Simchen, G. (1973). Two-Environment Selection with Inbreeding in *Schizophyllum commune*. *Genet Res* 22, 25-36.
- Connolly, V. & Jinks, J. L. (1975). The Genetical Architecture of General and Specific Environmental Sensitivity [*Schizophyllum commune*]. *Heredity* 35, 249-259.
- Cotter, D. A. & Niederpruem, D. J. (1971). Control of Arabitol Formation in *Schizophyllum commune* Development. *Arch Mikrobiol* 78, 128-138.
- Cotter, D. A., Laclave, A. J., Wegener, W. S. & Niederpruem, D. J. (1970). Co2 Control of Fruiting in *Schizophyllum commune*: Noninvolvement of Sustained Isocitrate Lyase Depression. *Can J Microbiol* 16, 605-608.
- Croan, S. C. & Kim, Y. H. (1997). Carpogenesis and basidiosporogenesis by *Flammulina velutipes*, *Schizophyllum commune*, and *Trametes versicolor* in vitro. *Material und Organismen. Materials and organisms* 31, 16.
- Crowe, L. K. (1963). Competition between compatible nuclei in the establishment of a dikaryon in *Schizophyllum commune*. *Heredity* 18, 525-533.
- Dasgupta, H., Schiffman, R. & Deppe, C. S. (1977). Control of Fungal Development. Ii. Kinetics of Growth During Dikaryosis in *Schizophyllum commune*. *Dev Biol* 59, 135-139.

De Groot, R. C. (1972). Growth of Wood-Inhabiting Fungi in Saturated Atmospheres of Monoterpenoids. [Trichoderma Viride, Lenzites Saepiaria, *Schizophyllum commune*]. Mycologia 64, 863-870.

de vries, O. M. H. & Wessels, J. G. H. (1972). release of protoplasts of *Schizophyllum commune* by a lytic enzyme preparation from Trichoderma viride. Journal of Genetic Microbiology 73, 13-22.

De Vries, O. M. H. & Wessels, J. G. H. (1973). Release of Protoplasts from *Schizophyllum commune* by Combined Action of Purified Alpha-1,3-Glucanase and Chitinase Derived from Trichoderma Viride. J Gen Microbiol 76, 319-330.

De Vries, O. M. H., Kooistra, W. H. C. F. & Wessels, J. G. H. (1986). Formation of an extracellular laccase by a *Schizophyllum commune* dikaryon. The Journal of general microbiology 132, 2817-2826.

De Vries, O. M. H., Fekkes, M. P., Wosten, H. A. B. & Wessels, J. G. H. (1993). Insoluble hydrophobin complexes in the walls of *Schizophyllum commune* and other filamentous fungi. Archives of microbiology 159, 330.

Deng, R. C., Rubnitz, J. E. & Leonard, T. J. (1985). Somatic recombination of the mnd chromosomal region in diploids and dikaryons of *Schizophyllum commune*. Experimental mycology 9, 122-132.

Dennen, D. W. (1966). Regulation of Glutamate Dehydrogenases During Morphogenesis of *Schizophyllum commune*: Indiana University.

Deppe, C. S. (1974). Protein Degradation in *Schizophyllum commune*: Harvard University.

Desrochers, M., Jurasek, L. & Paice, M. G. (1981). Production of cellulase, beta-glucosidase, and xylanase by *Schizophyllum commune* grown on a cellulose-peptone medium. Developments in industrial microbiology, 675-684.

deVries, O. M. H. & Wessels, J. G. H. (1972). Release of Protoplasts from *Schizophyllum commune* by a Lytic Enzyme Preparation from Trichoderma Viride. J Gen Microbiol 73, 13-22.

deVries, O. M. H. & Wessels, J. G. H. (1975). Chemical Analysis of Cell Wall Regeneration and Reversion of Protoplasts from *Schizophyllum commune* [Fungus]. Arch Mikrobiol.

deVries, S. C. & Wessels, J. G. H. (1982). Polarized outgrowth of hyphae by constant electrical fields during reversion of *Schizophyllum commune* protoplasts Fungi. Experimental mycology 6, 95-98 ill.

deVries, O. M. H. & Reddingius, J. (1984). Synthesis of macromolecules and compartment size in monokaryotic and dikaryotic hyphae of *Schizophyllum commune*. Experimental mycology 8, 378-381.

deVries, O. M. H. & Wessels, J. G. H. (1984). Patterns of polypeptide synthesis in non-fruiting monokaryons and a fruiting dikaryon *Schizophyllum commune* [Fungi, proteins]. The Journal of general microbiology 130, 145-154 ill.

- deVries, O. M. H., Fekkes, M. P., Wosten, H. A. B. & Wessels, J. G. H. (1993). Insoluble hydrophobin complexes in the walls of *Schizophyllum commune* and other filamentous fungi. Archives of microbiology 159, 330-335.
- Dick, S. (1960). The Origin of Expressed Mutations in *Schizophyllum commune*: Harvard University.
- Dick, S. & Raper, J. R. (1961). Origin of expressed mutations in *Schizophyllum commune*. Nature (Lond.) 189, 81-82.
- DiRusso, C. C., Novotny, C. P. & Ullrich, R. C. (1983). Orotidylate decarboxylase activity in *Schizophyllum commune* Fungi, uracil biosynthesis. Experimental mycology 7, 90-93.
- Divjak, H.-I. (1989). Produktion Und Charakterisierung Von Beta-Glucanen Von Sclerotium Rolfsii Und *Schizophyllum commune* Mit Pentosen Als Kohlenstoffquelle: Technische Universitaet Graz (Austria).
- Dons, J. J. M., Springer, J., De Vries, S. C. & Wessels, J. G. H. (1984). Molecular cloning of a gene abundantly expressed during fruiting body initiation in *Schizophyllum commune* [Fungi]. Journal of bacteriology 157, 802-808 ill.
- Dons, J. J. M., Mulder, G. H., Rouwendal, G. J. A., Springer, J., Bremer, W. & Wessels, J. G. H. (1984). Sequence analysis of a split gene involved in fruiting from the fungus *Schizophyllum commune*. The EMBO journal - European Molecular Biology Organization 3, 2101-2106.
- Doyle, P., Morrison, R. & Whalley, A. J. S. (1976). Stimulation of Fruiting in *Schizophyllum commune*. Trans Br Mycol Soc 66, 173-174.
- Dubouvoý, C. (1973). A class of genes controlling B-factor regulated development in *Schizophyllum*. Cambridge, MA: Harvard University.
- Dubouvoý, C. & Munos, A. (1977). Anormalidades De Los Cuerpos Fructiferos De *Schizophyllum commune* Fr. En Medios Cn Metilxantinas. Bol Soc Mex Micol.
- Dubovoy, C. (1976). A Class of Genes Affecting B Factor-Regulated Development in *Schizophyllum commune* [Fungi]. Genetics 82, 423-428.
- Eerdmans, M. M., Amundson, S. A., Reinhart, T. A. & Klein, K. K. (1990). Dominance relationships of cycloheximide-resistant mutants of *Schizophyllum commune* Fr. Journal of the Minnesota Academy of Science 55, 21-24.
- Eis, C. & Nidetzky, B. (1999). Characterization of trehalose phosphorylase from *Schizophyllum commune*. Biochemical Journal 341, 385-393.
- Eis, C. & Nidetzky, B. (2002). Substrate-binding recognition and specificity of trehalose phosphorylase from *Schizophyllum commune* examined in steady-state kinetic studies with deoxy and deoxyfluoro substrate analogues and inhibitors. Biochemical Journal 363, 335-340.
- Eis, C., Albert, M., Dax, K. & Nidetzky, B. (1998). The stereochemical course of the reaction mechanism of trehalose phosphorylase from *Schizophyllum commune*. FEBS letters 440, 4.

- Eis, C., Watkins, M., Prohaska, T. & Nidetzky, B. (2001). Fungal trehalose phosphorylase: Kinetic mechanism, pH-dependence of the reaction and some structural properties of the enzyme from *Schizophyllum commune*. *Biochemical Journal* 356, 757-767.
- Ellingboe, A. H. (1963). Illegitimacy and specific factor transfer in *Schizophyllum commune*. *Proceedings of the National Academy of Sciences of the United States of America* 49, 286-292.
- Ellingboe, A. H. (1964). Nuclear migration in dikaryotic-homokaryotic matings in *Schizophyllum commune*. *American Journal of Botany* 51, 133-139.
- Ellingboe, A. H. & Raper, J. R. (1962). The Buller Phenomenon in *Schizophyllum commune*: nuclear selection in fully compatible dikaryotic-homokaryotic matings. *American Journal of Botany* 49, 454-459.
- Ellingboe, A. H. & Raper, J. R. (1962). Somatic recombination in *Schizophyllum commune*. *Genetics* 47, 85-98.
- Epstein, E. (1966). Studies of the Biosynthesis of Indigotin by the Basidiomycete *Schizophyllum commune* Fr: State University of New York at Buffalo.
- Essig, F. M. (1920). The Morphology, Development and Economic Aspects of *Schizophyllum commune* Fries. Berkeley: University of California.
- Evers, D. C. & Ross, I. K. (1983). Isozyme patterns and morphogenesis in higher basidiomycetes *Coprinus congregatus*, *Schizophyllum commune*. *Experimental mycology* 7, 9-16 ill.
- Fang, J., Liu, W. & Gao, P. J. (1998). Cellobiose dehydrogenase from *Schizophyllum commune*: purification and study of some catalytic, inactivation, and cellulose-binding properties. *Archives of biochemistry and biophysics* 353, 37-46.
- Fang, J., Huang, F. & Gao, P. (1999). Optimization of cellobiose dehydrogenase production by *Schizophyllum commune* and effect of the enzyme on kraft pulp bleaching by ligninases. *Process biochemistry* (Barking, London, England) 34, 957-961.
- Foudin, A. S. & Calvert, O. H. (1982). *Schizophyllum commune* as a possible mycotoxin producer in association with sorghum grain Fungal feed contamination. *Mycologia* 74, 1041-1043.
- Fowler, T. J., Mitton, M. F. and Raper, C. A. (1998). Gene mutations affecting specificity of pheromone/receptor mating interactions in *Schizophyllum commune*. *Proceedings of the Fourth Meeting on the Genetics and Cellular Biology of Basidiomycetes*, L.J.L.D. Van Griensven and J. Visser, eds., 130-134.
- Fowler, T. J., DeSimone, S. M., Mitton, M. F., Kurjan, J. and Raper, C. A. (1999). Multiple sex pheromones and receptors of a mushroom-producing fungus elicit mating in yeast. *Mol. Biol. Cell* 10, 2559-2572.
- Fowler, T. J. & Mitton, M. F. (2000). Scooter, a new active transposon in *Schizophyllum commune*, has disrupted two genes regulating signal transduction. *Genetics* 156, 1585-1594.

- Fowler, T. J., Mitton, M. F., Vaillancourt, L. J. & Raper, C. A. (2001). Changes in mate recognition through alterations of pheromones and receptors in the multisexual mushroom fungus *Schizophyllum commune*. *Genetics* 158, 1491-1503.
- Fowler, T. J., Mitton, M. F., Rees, E. I. & Raper, C. A. (2004). Crossing the boundary between the B-alpha and B-beta mating-type loci in *Schizophyllum commune*. *Fungal Genetics and Biology* 41, 89-101.
- Frankel, C. S. (1974). The Role of Sexual Incompatibility Factors in Somatic Recombination in *Schizophyllum commune*: Michigan State University.
- Frankel, C. S. & Ellingboe, A. H. (1976). Isolation and Characterization of Compatible Diploids of *Schizophyllum commune* [Fungi]. *Mol Gen Genet* (Mgg).
- Frankel, C. & Ellingboe, A. H. (1977). Sexual Incompatibility Factors and Somatic Recombination in *Schizophyllum commune* [Fungi]. *Genetics* 85, 427-437.
- Frankel, C. & Ellingboe, A. H. (1977). New Mutations and a 7-Chromosome Linkage Map of *Schizophyllum commune* [Fungi]. *Genetics* 85, 417-425.
- Fripp, Y. J. (1972). Genotype-Environmental Interactions in *Schizophyllum commune*. Ii. Assessing the Environment. *Heredity* 28, 223-238.
- Fripp, Y. J. & Caten, C. E. (1971). Genotype-Environmental Interactions in *Schizophyllum commune*. I. Analysis and Character. *Heredity* 27, 393-407.
- Fripp, Y. J. & Caten, C. E. (1973). Genotype-Environmental Interactions in *Schizophyllum commune*. Iii. The Relationship between Mean Expression and Sensitivity to Change in Environment. *Heredity* 30, 341-349.
- Frisa, P. S. (1980). Carbon-Dioxide Fixation and Fruiting in *Schizophyllum commune*: Saint Bonaventure University.
- Froeliger, E. H., Munoz-Rivas, A. M., Specht, C. A., Ullrich, R. C. & Novotny, C. P. (1987). The isolation of specific genes from the basidiomycete *Schizophyllum commune*. *Current genetics* 12, 547-554.
- Funaki, Y., Kawai, G. & Mori, K. (1986). Synthesis and biological activity of the isomers and analogs of (4E,8E,2S,3R,2'R)-N-2'-hydroxyhexadecanoyl-9-methyl-4,8-sphingadienine, the ceramide portion of the fruiting-inducing cerebroside in a basidiomycete *Schizophyllum commune*. *Agricultural and biological chemistry* 50, 615-623.
- Giasson, L., Specht, C. A., Milgrim, C., Novotny, C. P. & Ullrich, R. C. (1989). Cloning and comparison of A alpha mating-type alleles of the Basidiomycete *Schizophyllum commune*. *M G G : Molecular and general genetics* 218, 72-77.
- Gladstone, P. R. (1972). Genetic studies on heritable diploidy in *Schizophyllum*. Cambridge, MA: Harvard University.
- Gola, S., Hegner, J. & Kothe, E. (2000). Chimeric pheromone receptors in the basidiomycete *Schizophyllum commune*. *Fungal genetics and biology : FG & B* 30, 191-196.

- Gordon, L. J. & Lilly, W. W. (1995). Quantitative analysis of *Schizophyllum commune* metalloprotease ScPrB activity in SDS-gelatin PAGE reveals differential mycelial localization of nitrogen limitation-induced autolysis. *Current microbiology* 30, 337-343.
- Graham, R. W., Atkinson, T., Kilburn, D. G., Miller, R. C., Jr. & Warren, R. A. J. (1993). Rational design and PCR-based synthesis of an artificial *Schizophyllum commune* xylanase gene. *Nucleic acids research* 21, 4923-2938.
- Gray, S. N., Dighton, J., Olsson, S. & Jennings, D. H. (1995). Real-time measurement of uptake and translocation of ^{137}Cs within mycelium of *Schizophyllum commune* Fr. by autoradiography followed by quantitative image analysis. *The New phytologist* 129, 449-465.
- Gubitza, G. M., Laussamauer, B., Schubert-Zsilavcz, M. & Steiner, W. (2000). Production of 6¹- α -D-galactosyl- β -D-mannotriose with endo-1,4- β -mannanases from *Schizophyllum commune* and *Sclerotium rolfii* - Methods in carbohydrate chemistry. *Enzyme and microbial technology* 26, 15-21.
- Gura, E. & Rau, U. (1993). Comparison of agitators for the production of branched β -1,3-D-glucans by *Schizophyllum commune*. *Journal of Biotechnology* 27, 193-201.
- Haapala, O. K. (1973). Changes Caused by Air-Drying and Alcohol Dehydration of Spread Insect Sperm and Fungal Spore Chromosome Fibres. [*Schizophyllum commune*, *Drosophila Melanogaster*]. *Exp Cell Res* 79, 235-239.
- Haapala, O. K. & Nienstedt, I. (1976). Chromosome Ultrastructure in the Basidiomycete Fungus *Schizophyllum commune*. *Hereditas*.
- Hafiz, A. (1965). Physiological Studies of Basidiospore Germination in *Schizophyllum commune*: Indiana University.
- Halgasova, N., Kutejova, E. & Timko, J. (1994). Purification and some characteristics of the acetylxylenesterase from *Schizophyllum commune*. *Biochemical journal* (London, England : 1984) 298, 751-755.
- Haltrich, D. (1993). Studies on the Formation of β -1,3-D-Glucans and Hemicellulolytic Enzymes by *Sclerotium rolfii* and *Schizophyllum commune* (β -Glucans): Technische Universitaet Graz (Austria).
- Haltrich, D. & Steiner, W. (1994). Formation of xylanase by *Schizophyllum commune*: Effect of medium components. *Enzyme and microbial technology* 16, 229.
- Haltrich, D., Preiss, M. & Steiner, W. (1993). Optimization of a culture medium for increased xylanase production by a wild strain of *Schizophyllum commune*. *Enzyme and microbial technology* 15, 854.
- Haltrich, D., Sebesta, B. & Steiner, W. (1995). 19 Induction of Xylanase and Cellulase in *Schizophyllum commune*. *ACS symposium series* 618, 14.
- Hannan, M. A. (1972). Mutation in *Schizophyllum commune* for Resistance to P-Fluorophenylalanine. *Experientia* 28, 1242-1243.

Harmsen, M. C., Schuren, F. H. J., Moukha, S. M., Zuilen, C. M. v., Punt, P. J. & Wessels, J. G. H. (1992). Sequence analysis of the glyceraldehyde-3-phosphate dehydrogenase genes from the basidiomycetes *Schizophyllum commune*, *Phanerochaete chrysosporium* and *Agaricus bisporus*. Current genetics 22, 447-454.

Hart, J. H. (1982). Variation in inherent decay resistance of black walnut Sapwood and heartwood, *Coriolus vesicolor*, 3 *Poria placenta*, *Schizophyllum commune*. USDA Forest Service general technical report NC - United States, North Central Forest Experiment Station, 12-17 ill.

Hatamoto, O., Sekine, H., Nakano, E. & Abe, K. (1999). Biochemistry & Molecular Biology - Cloning and Expression of a cDNA Encoding the Laccase from *Schizophyllum commune*. Bioscience, biotechnology, and biochemistry 63, 7.

Hegner, J., Siebert-Bartholmei, C. & Kothe, E. (1999). Ligand recognition in multiallelic pheromone receptors from the basidiomycete *Schizophyllum commune* studied in yeast. Fungal genetics and biology : FG & B 26, 190-197.

Higgins, S. M. & Lilly, W. W. (1993). Multiple responses to heat stress by the basidiomycete *Schizophyllum commune*. Current microbiology 26, 123-127.

Hoffman, R. M. a. J. R. R. (1971). Genetic restriction of energy conservation in *Schizophyllum*. Science (Wash. D.C.) 171, 418-419.

Hoffman, R. M. & Raper, J. R. (1972). Lowered Respiratory Response to Adenosine Diphosphate of Mitochondria Isolated from a Mutant B Strain of *Schizophyllum commune*. J Bacteriol 110, 780-781.

Hoge, J. H. C., Springer, J. & Wessels, J. G. H. (1982). Changes in complex RNA during fruit-body initiation in the fungus *Schizophyllum commune*. Experimental mycology 6, 233-243 ill.

Hoge, J. H. C., Heisterkamp, E. C. P. & Dons, J. J. M. (1983). Changes in translatable RNA population during basidiospore germination in *Schizophyllum commune* Fungi. FEMS microbiology letters - Federation of European Microbiological Societies 17, 7-11 ill.

Hoge, J. H. C., Springer, J., Zantinge, B. & Wessels, J. G. H. (1982). Absence of differences in polysomal RNAs from vegetative monokaryotic and dikaryotic cells of the fungus *Schizophyllum commune*. Experimental mycology 6, 225-232 ill.

Hong, L. T. (1982). The decay of tropical hardwoods. II. Mass loss and degradation of cell-wall components of *Hevea brasiliensis* caused by *Ganoderma applanatum*, *Poria* sp., *Schizophyllum commune* and *Trametes corrugata*. The Malaysian forester 45, 124-126.

Hong, L. T. & Khoo, L. E. (1981). In vitro fungitoxicity of organotin compounds against some Malaysian decay fungi. I. Tributyltin oxide, triphenyltin oxide and triphenyltin esters *Pycnoporus sanguineus*, *Lenzites palisotii*, *Schizophyllum commune*. The Malaysian forester 44, 495-499.

Horton, J. S. & Raper, C. A. (1991). A mushroom-inducing DNA sequence isolated from the Basidiomycete, *Schizophyllum commune*. Genetics 129, 707-716.

Horton, J. S. & Raper, C. A. (1991). Pulsed-field gel electrophoretic analysis of *Schizophyllum commune* chromosomal DNA. Current genetics 19, 77-80.

- Horton, J. S. & Raper, C. A. (1995). The mushroom-inducing gene *Frt1* of *Schizophyllum commune* encodes a putative nucleotide-binding protein. *Molecular & general genetics* : MGG 247, 358-366.
- Horton, J. S., Palmer, G. E. & Smith, W. J. (1999). Regulation of dikaryon-expressed genes by *FRT1* in the basidiomycete *Schizophyllum commune*. *Fungal genetics and biology* : FG & B 26, 33-47.
- Hosoe, T., Nozawa, K., Kawahara, N., Fukushima, K., Nishimura, K., Miyaji, M. & Kawai, K.-i. (1999). Isolation of a new potent cytotoxic pigment along with indigotin from the pathogenic basidiomycetous fungus *Schizophyllum commune*. *Mycopathologia* 146, 4.
- Hummel, K. M., Inselman, A. L., Ramos, E. R., Gathman, A. C. & Lilly, W. W. (1998). Extracellular protease production by submerged cultures of *Schizophyllum commune*. *Mycologia* 90, 883-889.
- Hummel, K. M., Inselman, A. L., Ramos, E. R., Gathman, A. C. & Lilly, W. W. (1998). Physiology/Biochemistry - Extracellular protease production by submerged cultures of *Schizophyllum commune*. *Mycologia* 90, 7.
- Hundert, P., Koltin, Y., Stamberg, J. & Wertzberger, R. (1978). Repair of Uv [Ultraviolet]-Induced Damage in Wild-Type and Mutant Strains of *Schizophyllum commune* [Fungi]. *Mutat Res* 50, 157-162.
- Iizasa, T., Kamei, K., Chiyo, M., Suzuki, M., Baba, M., Toyosaki, T., Hiroshima, K., Ohwada, H., Kanno, S., Nishimura, K. & Fujisawa, T. (2001). Colonization with *Schizophyllum commune* of Localized Honeycomb Lung with Mucus. *Respiration* 68, 3.
- Inselman, A. L., Gathman, A. C. & Lilly, W. W. (1999). Two fluorescent markers identify the vacuolar system of *Schizophyllum commune*. *Current Microbiology* 38, 295-299.
- Isaya, G., Sakati, W. R., Rollins, R. A., Shen, G. P., Hanson, L. C., Ullrich, R. C. & Novotny, C. P. (1995). Mammalian mitochondrial intermediate peptidase: structure/function analysis of a new homologue from *Schizophyllum commune* and relationship to thimet oligopeptidases. *Genomics* 28, 450-461.
- James, T. Y. & Vilgalys, R. (2001). Abundance and diversity of *Schizophyllum commune* spore clouds in the Caribbean detected by selective sampling. *Molecular ecology* 10, 471-479.
- James, T. Y., Porter, D., Hamrick, J. L. & Vilgalys, R. (1999). Evidence for limited intercontinental gene flow in the cosmopolitan mushroom, *Schizophyllum commune*. *Evolution* 53, 1665-1677.
- James, T. Y., Moncalvo, J.-M., Li, S. & Vilgalys, R. (2001). Polymorphism at the ribosomal DNA spacers and its relation to breeding structure of the widespread mushroom *Schizophyllum commune*. *Genetics* 157, 149-161.
- Jelsma, J. & Kreger, D. R. (1979). Polymorphism in crystalline (1 to 3)-alpha-D-glucan from fungal cell-walls *Laetiporus sulphureus*, *Piptoporus betulinus*, *Schizophyllum commune*, *Aspergillus nidulans*. 51-64 ill.

Jersild, R. A., S. Mishkin and D. J. Niederpruem (1967). Origin and ultrastructure of complex septa in *Schizophyllum commune* development. Archives of microbiology 57, 20-32.

Jinks, J. L. & Connolly, V. (1973). Selection for Specific and General Response to Environmental Differences. [*Schizophyllum commune*]. Heredity 30, 33-40.

Jinks, J. L. & Connolly, V. (1975). Determination of the Environmental Sensitivity of Selection Lines by the Selection Environment [*Schizophyllum commune*]. Heredity 34, 401-406.

Johnston, J. M., Ramos, E. R., Bilbrey, R. E., Gathman, A. C. & Lilly, W. W. (2000). Characterization of ScPrI, a small serine protease, from mycelia of *Schizophyllum commune*. Mycological Research 104, 726-731.

Jonathan, S. G. & Fasidi, I. O. (2001). Studies on phytohormones, vitamins and mineral element requirements of *Lentinus subnudus* (Berk) and *Schizophyllum commune* (Fr Ex Fr) from Nigeria. Food chemistry 75, 303-307.

Jurgens, C. (1958). Physiologische und genetische Untersuchungen uber die Fruchtkorperbildung bei *Schizophyllum commune*. Archives of Mikrobiology 30, 409-432.

Kamei, K., Unno, H., Nagao, K., Kuriyama, T. & Nishimura, K. (1994). Allergic Bronchopulmonary Mycosis Caused by the Basidiomycetous Fungus *Schizophyllum commune*. Clinical infectious diseases : an official publication of the Infectious Diseases Society of America 18, 305.

Kano, R., Oomae, S., Nakano, Y., Minami, T., Sukikara, M., Nakayama, T. & Hasegawa, A. (2002). First report on *Schizophyllum commune* from a dog. Journal of clinical microbiology 40, 3535-3537.

Kawai, G. & Ikeda, Y. (1983). Fruiting-inducing activity of cerebrosides observed with *Schizophyllum commune* [Fungi]. Report of the Noda Institute for Scientific Research, 5-11 ill.

Kawai, G. & Ikeda, Y. (1985). Structure of biologically active and inactive cerebrosides prepared from *Schizophyllum commune*. Journal of lipid research 26, 338-343.

Kawai, G., Ikeda, Y. & Tubaki, K. (1985). Fruiting of *Schizophyllum commune* induced by certain ceramides and cerebrosides from *Penicillium funiculosum*. Agricultural and biological chemistry 49, 2137-2146.

Kekelidze, T. N., Edmondson, D. E. & McCormick, D. B. (1994). Flavin substrate specificity of the vitamin B₂-aldehyde-forming enzyme from *Schizophyllum commune*. Archives of biochemistry and biophysics 315, 100-103.

Kekelidze, T. N., Edmondson, D. E. & McCormick, D. B. (1994). Flavin Substrate Specificity of the Vitamin B₂-Aldehyde-Forming Enzyme from *Schizophyllum commune*. Archives of Biochemistry and Biophysics 315, 100-103.

Kekelidze, T. N., Edmondson, D. E. & McCormick, D. B. (1995). Preparation of Riboflavin Specifically Labeled in the 5'-Hydroxymethyl Terminus Using A Vitamin B₂-Aldehyde-Forming Enzyme from *Schizophyllum commune*. Journal of labelled compounds & radiopharmaceuticals 36, 953.

Kim, M.-S. (2000). Technical Features - b-(1,6)-Branched b-(1,3)-Glucan in Skin Care - b-(1,3)-Glucan, produced in a new way from the *Schizophyllum commune* mushroom, has measurable benefits. *Cosmetics and toiletries* 115, 9.

Kinoshita, H., Maki, Y., Nakai, R., Sen, K. & Shibai, H. (2001). MICROBIAL PHYSIOLOGY, AND BIOTECHNOLOGY - Competitive Amino Acid Transport between L-Tryptophan and Other Amino Acids in *Schizophyllum commune*. *Journal of bioscience and bioengineering* 92, 4.

Kinoshita, H., Sen, K., Iwama, H., Samadder, P. P., Kurosawa, S. I. & Shibai, H. (2002). Effects of indole and caffeine on cAMP in the *ind1* and *cfm1* mutant strains of *Schizophyllum commune* during sexual development. *Federation of European Microbiological Societies* 206, 247-251.

Klein, K. K. (1982). *Studies in the Developmental Genetics of Schizophyllum commune*: University of Minnesota.

Klein, K. K., Landry, J., Friesen, T. & Larimer, T. (1997). Kinetics of asymmetric mycelial growth and control by dikaryosis and light in *Schizophyllum commune*. *Mycologia* 89, 916-923.

Kniep, H. (1930). Über Selektionswirkungen in fortlaufenden Massenaussaaten von *Schizophyllum*. *Z. Bot.* 23, 510-536.

Kogen, H., Tago, K., Kaneko, S., Hamano, K., Onodera, K., Haruyama, H., Minagawa, K., Kinoshita, T., Ishikawa, T., Tanimoto, T. & Tsujita, Y. (1996). Schizostatin, a Novel Squalene Synthase Inhibitor Produced by the Mushroom, *Schizophyllum commune* II Structure Elucidation and Total Synthesis. *Journal of antibiotics* 49, 7.

Koltin, Y. (1967). *The Structure and Function of the B Incompatibility Factor of Schizophyllum commune*: Harvard University.

Koltin, Y. (1968). The genetic structure of the incompatibility factors of *Schizophyllum commune*: comparative studies of primary mutations in the B factor. *Mol Gen Genet* 102, 196-203.

Koltin, Y. (1969). The structure of the incompatibility factors of *Schizophyllum commune*. *Mol Gen Genet* 103, 380-384.

Koltin, Y. (1970). Development of the Amut Bmut Strain of *Schizophyllum commune*. *Arch Mikrobiol* 74, 123-128.

Koltin, Y. (1970). Studies on Mutations Disruptive to Nuclear Migration in *Schizophyllum commune*. *Mol Gen Genet*.

Koltin, Y. & Raper, J. R. (1966). *Schizophyllum commune*: new mutations in the B incompatibility factor. *Science (Wash. D.C.)* 154, 510-511.

Koltin, Y. & Raper, J. R. (1967). The genetic structure of the incompatibility factor of *Schizophyllum commune*: three functionally distinct classes of B factors. *Proceedings of the National Academy of Sciences of the United States of America* 58, 1220-1226.

Koltin, Y. & Raper, J. R. (1967). The genetic structure of the incompatibility factors of *Schizophyllum commune*; resolution of class III B factors. *Mol Gen Genet* 100, 275-282.

- Koltin, Y. & Raper, J. R. (1968). Dikaryosis: Genetic determination in *Schizophyllum*. Science (Wash. D.C.) 160, 85-86.
- Koltin, Y. & Flexer, A. S. (1969). Alteration of Nuclear Distribution in B-Mutant Strains of *Schizophyllum commune*. J Cell Sci 4, 739-749.
- Koltin, Y. & Stamberg, J. (1973). Genetic Control of Recombination in *Schizophyllum commune*: Location of a Gene Controlling B-Factor Recombination. Genetics 74, 55-62.
- Koltin, Y., Raper, J. R. & Simchen, G. (1967). Genetic structure of the incompatibility factors of *Schizophyllum commune*: the B factor. Proceedings of the National Academy of Sciences of the United States of America 47, 55-63.
- Koltin, Y., Stamberg, J. & Simchen, G. (1971). Three Tests for Shared Allelic Specificities in the B Incompatibility Factor of *Schizophyllum commune*. Genetica.
- Koltin, Y., Stamberg, J. & Lemke, P. A. (1972). Genetic structure and evolution of the incompatibility factors in higher fungi. Bacteriology Review 36, 156-171.
- Koltin, Y., Berick, R. & Stamberg, J. (1973). Virus-Like Particles and Cytoplasmic Inheritance of Plaques in a Higher Fungus. [*Schizophyllum commune*]. Nat New Biol 241, 108-109.
- Koltin, Y., Wessels, J. G. H. & Valk, P. V. D. (1973). Chlamydospores of *Schizophyllum commune*. Arch Mikrobiol 91, 179-182.
- Koltin, Y., Stamberg, J. & Ronen, R. (1975). Meiosis as a Source of Spontaneous Mutations in *Schizophyllum commune*. Mutat Res 27, 319-325.
- Kothe, E. (1997). J/Wendland Isolation of *tefl* encoding translation elongation factor EF1 α from the homobasidiomycete *Schizophyllum commune*. Mycological research 101, 5.
- Kothe, E. (1997). Solving a Puzzle Piece by Piece: Sexual Development in the Basidiomycetous Fungus *Schizophyllum commune*. Botanica acta : Berichte der Deutschen Botanischen Gesellschaft = journal of the German Botanical Society 110, 6.
- Kothe, E. (1999). Mating types and pheromone recognition in the homobasidiomycete *Schizophyllum commune*. Fungal genetics and biology : FG & B 27, 146-152.
- Kothe, E. (2001). Mating-type genes for basidiomycete strain improvement in mushroom farming. Applied Microbiology and Biotechnology 56, 602-612.
- Kothe, E., Kothe, H. W., Specht, C. A., Novotny, C. P. & Ullrich, R. C. (1993). The *flr1* gene, a useful system for rapid screening of tryptophan auxotrophs in *Schizophyllum commune*. Mycologia 85, 381-384.
- Krstic, M. (1968). An Experiment on Inhibiting *Schizophyllum commune* Fr., Development by Antagonism.
- Lacok, P. (1982). Rast mycelia a tvorba fruktifikacnych organov u huby *Schizophyllum commune* Fr. Biologia 37, 13-21 ill.

- Latham, A. J. (1969). Unusual Fruit Rot Found in Alabama. [Apples, Fruit, Wood, *Schizophyllum commune*]. Highlights Agr Res 16, 13.
- Latham, A. J. (1970). Development of Apple Fruit Rot and Basidiocarp Formation by *Schizophyllum commune*. Phytopathology 60, 596-598.
- Laussamayer, B. (1996). Untersuchungen Zur Wirkungsweise Von Hemicellulasen an Nadelholzzellstoffen: Technische Universitaet Graz (Austria).
- Leary, J. V. (1969). Early Mating Interactions in *Schizophyllum commune*, pp. 109 L ILLUS. East Lansing.
- Leary, J. V. (1969). Isolation and functional ribosomes and polysomes from lyophilized fungi. Biochim Biophys Acta 182, 113-120.
- Leary, J. V. & Ellingboe, A. H. (1970). The Kinetics of Initial Nuclear Exchange in Compatible and Noncompatible Matings of *Schizophyllum commune*. Amer J Bot 57, 19-23.
- Lee, W.-L. S. (1972). Regulation of Carbohydrate Metabolism in the Developmental Process of *Schizophyllum commune*: State University of New York at Buffalo.
- Lengeler, K. B. & Kothe, E. (1999). Identification and characterization of *brt1*, a gene down-regulated during B-regulated development in *Schizophyllum commune*. Current Genetics 35, 551-556.
- Lengeler, K. B. & Kothe, E. (1999). Mated: a putative peptide transporter of *Schizophyllum commune* expressed in dikaryons. Current genetics 36, 159-164.
- Leonard, T. J. (1967). Studies of Induced and Spontaneous Fruiting in *Schizophyllum commune*: Indiana University.
- Leonard, T. J. (1971). Phenoloxidase Activity and Fruiting Body Formation in *Schizophyllum commune*. J Bacteriol 106, 162-167.
- Leonard, T. J. (1972). Phenoloxidase Activity in Mycelia Carrying Modifier Mutations That Affect Sporocarp Development in *Schizophyllum commune*. J Bacteriol 111, 292-293.
- Leonard, T. J. (1973). The Effects of Smoke Fractions on Mutagenesis in *Schizophyllum commune*. Ky Univ Tob Health Res Inst Conf Rep.
- Leonard, T. J. (1973). Induction of Haploid Fruiting by Mechanical Injury in *Schizophyllum commune*. Mycologia 65, 809-822.
- Leonard, T. J. (1975). An Inherited "Neoplasm" in a Fungus [*Schizophyllum commune*]. Proc Natl Acad Sci U S A 72, 4626-4630.
- Leonard, T. J. & Dick, S. (1968). Chemical inductions of haploid fruiting in *Schizophyllum commune*. Proceedings of the national Academy of Sciences of the United States of America 59, 745-751.

Leonard, T. J. & Raper, J. R. (1969). *Schizophyllum commune*: gene controlling induced haploid fruiting. Science (Wash. D.C.) 165, 190.

Leonard, T. J. & Phillips, L. E. (1973). Study of Phenoloxidase Activity During the Reproductive Cycle in *Schizophyllum commune*. J Bacteriol 114, 7-10.

Leonard, T. J., Gaber, R. F. & Dick, S. (1978). Internuclear Genetic Transfer in Dikaryons of *Schizophyllum commune* [Fungi]. II. Direct Recovery and Analysis of Recombinant Nuclei. Genetics 89, 685-693.

Leonard, T. J., Dick, S. & Gaber, R. F. (1978). Internuclear Genetic Transfer in Vegetative Dikaryons of *Schizophyllum commune* [Fungi]. I. Di-Mon Mating Analysis. Genetics 88, 13-26.

Leonard, T. J., Dick, S. & Deng, R. (1989). A new genetic element affecting somatic mnd recombination in *Schizophyllum commune*. Experimental mycology 13, 231-238.

Leonhartsberger, S. (1989). Durchfuehrung Von Fermentationen Mit *Schizophyllum commune* Auf Hexosen Und Verschiedenen Staerken Sowie Gewinnung Von Schizophyllan: Karl-Franzens Universitaet Graz (Austria).

Leslie, J. F. (1979). Genetic and Physiologic Aspects of Monokaryotic Fruiting in the Basidiomycetous Fungus *Schizophyllum commune*. Madison: The University of Wisconsin.

Lilly, W. W. (1979). Regulation of Acid Phosphatase in *Schizophyllum commune*: University of Minnesota.

Lilly, W. W. & Henson, T. L. (1985). Mycelial phosphorus content of *Schizophyllum commune*. Mycologia 77, 545-548.

Lilly, W. W. & Charvat, I. (1987). Activities and isozymes of acid phosphatase in *Schizophyllum commune*: a re-examination. Mycologia 79, 314-319.

Lilly, W. W., Higgins, S. M. & Wallweber, G. J. (1990). Electrophoretic detection of multiple proteases from *Schizophyllum commune*. Mycologia 82, 505-508.

Lilly, W. W., Higgins, S. M. & Wallweber, G. J. (1990). Uptake and translocation of 2-aminoisobutyric acid by *Schizophyllum commune*. Experimental mycology 14, 169-177.

Lilly, W. W., Wallweber, G. J. & Higgins, S. M. (1991). Proteolysis and amino acid recycling during nitrogen deprivation in *Schizophyllum commune*. Current microbiology 23, 27-32.

Lilly, W. W., Wallweber, G. J. & Lukefahr, T. A. (1992). Cadmium absorption and its effects on growth and mycelial morphology of the basidiomycete fungus, *Schizophyllum commune*. Microbios 72, 227.

Lilly, W. W., Bilbrey, R. E., Williams, B. L. & Loos, L. S. (1994). Partial characterization of the cellular proteolytic system of *Schizophyllum commune*. Mycologia 86, 564.

Lilly, W. W., Bilbrey, R. E., Williams, B. L., Loos, L. S., Venabale, D. F. & Higgins, S. M. (1994). Partial characterization of the cellular proteolytic system of *Schizophyllum commune*. Mycologia 86, 564-570.

- Lo, A. C., Barbier, J. R. & Willick, G. E. (1990). Kinetics and specificities of two closely related beta-glucosidases secreted by *Schizophyllum commune*. *European journal of biochemistry* 192, 175.
- Lugones, L. G., Scholtmeijer, K., Klootwick, R. & Wessels, J. G. H. (1999). Introns are necessary for mRNA accumulation in *Schizophyllum commune*. *Molecular microbiology* 32, 681-689.
- Lugones, L. G., Wosten, H. A. B., Birkenkamp, K. U., Sjollem, K. A., Zagers, J. & Wessels, J. G. H. (1999). Hydrophobins line air channels in fruiting bodies of *Schizophyllum commune* and *Agaricus bisporus*. *Mycological Research* 103, 635-640.
- Luo, Y., Ullrich, R. C. & Novotny, C. P. (1994). Only one of the paired *Schizophyllum commune* A-alpha mating-type, putative homeobox genes encodes a homeodomain essential for A-alpha-regulated development. *Molecular & general genetics : MGG* 224, 318-324.
- MacKenzie, C. R. & Bilous, D. (1988). Ferulic acid esterase activity from *Schizophyllum commune*. *Applied and Environmental microbiology* 54, 1170-1173.
- Magae, Y., Novotny, C. & Ullrich, R. (1995). Interaction of the Aα Y and Z Mating-Type Homeodomain Proteins of *Schizophyllum commune* Detected by the Two-Hybrid System. *Biochemical and Biophysical Research Communications* 211, 1071-1076.
- Magnani, G. (1975). Un Attacco Di *Schizophyllum commune* Fr. Su Giovani Piante Di Pioppo Bianco. *Cellul Carta* 26, 55-61 ENG.
- Magruder, G. C. (1979). The Chitin Synthetase Enzyme of *Schizophyllum commune* "Wild-Type" and the Mutant "Streak". Rolla: University of Missouri.
- Mankel, A. & Kothe, E. (1999). Determining parameters for the use of a b-galactosidase reporter gene in *Schizophyllum commune*. *Journal of basic microbiology* 39, 2.
- Mao, C.-P. (1993). Immune Response Enhancement in Channel Catfish, *Ictalurus punctatus*, Using Beta-Glucan from *Schizophyllum commune*: Mississippi State University.
- Marchant, R. & Wessels, J. G. H. (1973). Septal Structure in Normal and Modified Strains of *Schizophyllum commune* Carrying Mutations Affecting Septal Dissolution. *Arch Mikrobiol.*
- Marchant, R. & Wessels, J. G. H. (1974). An Ultrastructural Study of Septal Dissolution in *Schizophyllum commune*. *Arch Mikrobiol.*
- Marchant, R., Raudaskoski, M. & Shneyour, Y. (1976). Ultrastructure of an Indigotin-Producing Dome Mutant of *Schizophyllum commune* [Fungi]. *J Gen Microbiol* 96, 333-339.
- Marion, A. L., Bartholomew, K. A., Wu, J., Yang, H., Novotny, C. P. & Ullrich, R. C. (1996). The Aalpha mating-type locus of *Schizophyllum commune*: structure and function of gene X. *Current genetics* 29, 7.
- Marlier, S., De Jaureguiberry, J. P., Aguilon, P., Carlot, E. & Duval, J. L. (1993). Chronic sinusitis caused by *Schizophyllum commune* in a male AIDS patient. *La Presse médicale* 22, 1107.

- Martin, S. A. (1983). Studies on a Nuclease from the Fungus *Schizophyllum commune* with a Preference for Single-Stranded Nucleic Acid: The University of Vermont and State Agricultural College.
- Martin, M. C. & De Bolaros, R. (1994). Aislamiento de *Schizophyllum commune* en Panama. Revista médica de Panamá 19, 117.
- Martin, S. A., Ullrich, R. C. & Meyer, W. L. (1986). Partial purification and properties of a nuclease from *Schizophyllum commune* with a preference toward single-stranded nucleic acid. Biochimica et biophysica acta 867, 67-75.
- Matthee, F. N. (1982). Treatment of pruning wounds on fruit trees and grapevines with Baycor and Bayleton Bitertanol, triadimefon, Polyporus adustus-hirsutus group, Stereum purpureum, Eutypa armeniacae, *Schizophyllum commune*, South Africa. Pflanzenschutz-Nachrichten Bayer 35, 134-151 ill.
- Mayfield, J. E. (1972). Electron Microscopic and Cytochemical Analyses of the Vegetative Hyphae in *Schizophyllum commune*: State University of New York at Buffalo.
- Mayfield, J. E. (1974). Septal Involvement in Nuclear Migration in *Schizophyllum commune*. Arch Mikrobiol.
- Meinhardt, F., Saleh, F. & Esser, K. (1982). Two morphological markers indicating dikaryosis in *Schizophyllum commune* Wood destroying basidiomycete. Theoretical and applied genetics 63, 279-281.
- Middleton, R. B. (1963). Common-Ab Heterokaryosis in *Schizophyllum commune*: Harvard University.
- Middleton, R. B. (1964). Sexual and somatic recombination in common AB heterokaryons of *Schizophyllum commune*. Genetics 50, 701-710.
- Miles, P. G., H. Lund and J. R. Raper (1956). The identification of indigo as a pigment produced by a mutant strain of *Schizophyllum commune*. Archives of Biochemical Biophysics 62, 1-5.
- Miles, P. G. (1970). The Action of a Modifier Gene on the Puff Morphological Mutant of *Schizophyllum commune*. Can J Genet Cytol 12, 70-79.
- Mills, D. I. (1969). The Induction of Recessive Suppressor Mutations and Somatic Recombination in the Common-Ab Diploid of *Schizophyllum commune*: Michigan State University.
- Mills, D. I. (1971). The induction of recessive suppressor mutations and somatic recombination in the common-AB diploid of *Schizophyllum commune*, pp. ix, 121 leaves. Ann Arbor, Mich.: University Microfilms
- Michigan State University.
- Mills, D. I. & Ellingboe, A. H. (1969). A Common-Ab Diploid of *Schizophyllum commune*. Genetics 62, 271-279.

- Mills, D. I. & Ellingboe, A. H. (1969). The Induction and Characterization of Recessive Suppressors of Arg-2 in *Schizophyllum commune*. *Z Vererbungslehre*.
- Mills, D. I. & Ellingboe, A. H. (1971). Somatic Recombination in the Common-Ab Diploid of *Schizophyllum commune*. *Mol Gen Genet* 110, 67-76.
- Mishkin, S. L. (1967). Genetic and Cytological Studies of a Linked Suppressor of the B-Incompatibility Factor and a Haploid Fruiting Phenomenon in *Schizophyllum commune*: Indiana University.
- Mizuno, K. & Tachiki, T. (1998). Extracellular Dextran-induced p-Nitrophenyl-a-D-glucoside-hydrolyzing Enzyme of *Bacillus circulans* KA-304: A Producer of *Schizophyllum commune*-lytic Enzyme. *Bioscience, biotechnology, and biochemistry* 62, 3.
- Mizuno, K., Kimura, O. & Tachiki, T. (1997). Protoplast Formation from *Schizophyllum commune* by a Culture Filtrate of *Bacillus circulans* KA-304 Grown on a Cell-wall Preparation of *S. commune* as a Carbon Source. *Bioscience, biotechnology, and biochemistry* 61, 6.
- Mizuno, K., Awazu, N. & Tachiki, T. (1998). Purification and Some Properties of p-Nitrophenyl-b-D-glucoside-hydrolyzing Enzymes in Culture Filtrate of *Bacillus circulans* KA-304 Grown on Cell-wall Preparation of *Schizophyllum commune*. *Bioscience, biotechnology, and biochemistry* 62, 5.
- Mokady, S. & Koltin, Y. (1971). Sterols of *Schizophyllum commune*. *Phytochemistry* 10, 2035-2036.
- Mooibroek, H., Kuipers, A. G. J., Sietsma, J. H., Punt, P. J. & Wessels, J. G. H. (1990). Introduction of hygromycin B resistance into *Schizophyllum commune*: preferential methylation of donor DNA. *M G G : Molecular and general genetics* 222, 41-48.
- Moore, R. T. & McAlear, J. H. (1962). Fine structure of Mycota. 7. Observations on septa of Ascomycetes and Basidiomycetes. *American Journal of Botany* 49, 86-94.
- Moore, R. T. & Patton, A. M. (1975). Parenthesome Fine Structure in *Pleurotus Cystidiosus* and *Schizophyllum commune* [Fungi]. *Mycologia* 57, 1200-1205.
- Moranelli, F., Barbier, J. R., Dove, M. J., MacKay, R. M., Seligy, V. L., Yaguchi, M. & Willick, G. E. (1986). A clone coding for *Schizophyllum commune* beta-glucosidase: homology with a yeast beta-glucosidase. *Biochemistry international* 12, 905-912.
- Mori, K. & Funaki, Y. (1984). Synthesis of (2S, 3R, 4E, 8E)-N-(2'R)-2'hydroxyhexadecanoyl-9-methyl-4,8-sphingadienine, the ceramide portion of the fruiting-inducing cerebroside in a basidiomycete *Schizophyllum commune*. *Tetrahedron letters* 25, 5291-5294.
- Mori, K. & Uenishi, K. (1996). Synthesis of Sphingosine Relatives, XVII - Synthesis of (2S,2'R,3R,3'E,4E,8E)-1-O-(b-D-Glucopyranosyl)-N-(2'-hydroxy- 3'-octadecenoyl)-9-methyl-4,8-sphingadienine (Pen II), the Major Cerebroside Isolated from *Penicillium funiculosum* as the Fruiting-Inducer Against *Schizophyllum commune*. *Liebigs Annalen : organic and bioorganic chemistry*, 6.

- Morris, B. B. & Motta, J. J. (1982). Isolation of an apparent temperature-sensitive cell cycle mutant of *Schizophyllum commune* Fungi. Mycologia 74, 412-422.
- Mueller, W. H., Van Aelst, A. C., Van der Krift, T. P. & Boekhout, T. (1994). Scanning electron microscopy of the septal pore cap of the basidiomycete *Schizophyllum commune*. Canadian journal of microbiology 40, 879.
- Mulder, G. H. & Wessels, J. G. H. (1986). Molecular cloning of RNAs differentially expressed in monokaryons and dikaryons of *Schizophyllum commune* in relation to fruiting. Experimental mycology 10, 214-227.
- Muller, W. H., Aelst, A. C. v., Krift, T. P. v. d. & Boekhout, T. (1994). Scanning electron microscopy of the septal pore cap of the basidiomycete *Schizophyllum commune*. Canadian journal of microbiology 40, 879-883.
- Munoz, A. & Dubovoy, C. (1979). Influencia de la cafeina en la antibiosis de *Schizophyllum commune*. Boletin de la Sociedad Mexicana de Micologia, 30-37 ill.
- Munoz-Rivas, A. M., Specht, C. A., Ullrich, R. C. & Novotny, C. P. (1986). Isolation of the DNA sequence coding indole-3-glycerol phosphate synthetase and phosphoribosylanthranilate isomerase of *Schizophyllum commune*. Current genetics 10, 909-913.
- Munoz-Rivas, A., Specht, C. A., Drummond, B. J., Froeliger, E., Novotny, C. P. & Ullrich, R. C. (1986). Transformation of the basidiomycete, *Schizophyllum commune*. M G G : Molecular and general genetics 205, 103-106.
- Nesvera, J. (1975). Genetic Analysis of Formation of Chlamydospore-Like Structures in *Schizophyllum commune* [Fungi]. Ceska Mykol 29, 105-109.
- Nesvera, J. (1977). Cyanide-Insensitive Respiration in *Schizophyllum commune* [Fungi]. Folia Microbiol.
- Nguyen, T. T. (1985). Biological and Biochemical Studies of Cellular Interactions in *Schizophyllum commune*: Indiana University.
- Nguyen, T. & Niederpruem, D. J. (1984). Hyphal interactions in *Schizophyllum commune*: the di-mon mating. Symposium series - British Mycological Society, 73-102 ill.
- Nguyen, T. T., Schloemer, R. H. & Niederpruem, D. J. (1987). Control of basidiospore germination in *Schizophyllum commune*. Mycologia 79, 399-404.
- Nicolotti, G., Martinis, R. & Tamiatti, G. (1998). Control of *Schizophyllum commune* and *Ophiostoma piliferum* growth in wood by solarization. Material und Organismen. Materials and organisms 32, 12.
- Nidetzky, B. & Eis, C. (2001). alpha-Retaining glucosyl transfer catalysed by trehalose phosphorylase from *Schizophyllum commune*: Mechanistic evidence obtained from steady-state kinetic studies with substrate analogues and inhibitors. Biochemical Journal 360, 727-736.

- Niederpruem, D. J. (1960). Comparative Studies on the Respiratory Mechanisms of *Streptococcus Faecalis*, *Schizophyllum commune* and *Streptomyces*: State University of New York at Buffalo.
- Niederpruem, D. J. (1963). Role of carbon dioxide in the control of fruiting of *Schizophyllum commune*. *Journal of Bacteriology* 85, 1300-1308.
- Niederpruem, D. J. (1971). Kinetic Studies of Septum Synthesis, Erosion and Nuclear Migration in a Growing B-Mutant of *Schizophyllum commune*. *Arch Mikrobiol* 75, 189-196.
- Niederpruem, D. J. & Hackett, D. P. (1961). Cytochrome system in *Schizophyllum commune*. *Plant Physiology* 36, 79-84.
- Niederpruem, D. J. & Wessels, J. G. H. (1969). Cytodifferentiation and morphogenesis in *Schizophyllum commune*. *Bacteriology Review* 33, 505-535.
- Niederpruem, D. J. & Jersild, R. A. (1972). Cellular Aspects of Morphogenesis in the Mushroom *Schizophyllum commune*. *Crc Crit Rev Microbiol* 1, 545-576.
- Niederpruem, D. J., Jersild, R. A. & Lane, P. L. (1971). Direct Microscopic Studies of Clamp Connection Formation in Growing Hyphae of *Schizophyllum commune*. Ii. The a-Mutant Homokaryon and Pseudo-Clamp Connections. *Arch Mikrobiol*.
- Novotny, C. P., Stankis, M. M., Specht, C. A., Yang, H., Ullrich, R. C. & Giasson, L. (1991). The Aa mating type locus of *Schizophyllum commune*. *More Gene Manipulations in Fungi*, Bennett, J. W. and Lasure, L. L., eds., 234-257.
- Nsolomo, V. R., Venn, K. & Solheim, H. (2000). The ability of some fungi to cause decay in the East African camphor tree, *Ocotea usambarensis*. *Mycological Research* 104, 1473-1479.
- Ogawa, T. & Kaburagi, T. (1982). Synthesis of a branched D-glucotetraose, the repeating unit of the extracellular polysaccharides of *Grifola umbellata*, *Sclerotinia libertiana*, *Porodiscus pendulus*, and *Schizophyllum commune* Fries Fungi. *Carbohydrate research* 103, 53-64 ill.
- Oprea, M., Sesan, T. & Balan, V. (1995). *Schizophyllum commune*-Canker and Dieback Disease of Apricot Trees in Orchards of South-Eastern Rumania. *Acta horticulturae*, 6.
- Paice, M. G. & Jurasek, L. (1977). Wood Saccharifying Enzymes from *Schizophyllum commune* [Wood Destroying Fungi]. In *Tappi Forest Biology, Wood Chemistry Conference*.
- Paice, M. G. & Jurasek, L. (1984). Removing hemicellulose from pulps by specific enzymic hydrolysis [*Schizophyllum commune*]. *Journal of wood chemistry and technology* 4, 187-198.
- Paice, M. G., Desrochers, M., Rho, D., Jurasek, L. & Roy, C. (1984). Two forms of endoglucanase from the basidiomycete *Schizophyllum commune* and their relationship to other beta-1,4-glycoside hydrolases [Cellulose chemistry]. *Bio technology* 2, 535-539 ill.
- Papazian, H. P. (1950). The Genetics and Physiology of the Incompatibility Alleles and Some Related Genes in *Schizophyllum commune*: The University of Chicago.

- Papazian, H. P. (1950). Physiology of the incompatibility factors in *Schizophyllum commune*. Bot. Gaz. 112, 441-459.
- Papazian, H. P. (1962). The incompatibility factors and related gene in *Schizophyllum commune*. Genetics 36, 441-459.
- Parag, Y. (1961). Genetic Studies on Somatic Recombination and Common-B Heterokaryosis in *Schizophyllum commune*: Harvard University.
- Parag, Y. (1962). Mutations in the B incompatibility factor of *Schizophyllum commune*. Proc. Natl. Acad. Sci. USA 48, 743-750.
- Parag, Y. (1975). Extrachromosomal Factors Affecting Mating Reactions in *Schizophyllum commune* [Fungi]. Heredity 34, 61-70.
- Parag, G. & Raper, J. R. (1960). Genetic recombination in a common-B cross of *Schizophyllum commune*. Nature (Lond.) 188, 765-766.
- Parag, G. & Nachman, B. (1966). Diploidy in the tetrapolar heterothallic Basidiomycete *Schizophyllum commune*. Heredity 21, 151-154.
- Parag, Y. & Koltin, Y. (1971). The Structure of the Incompatibility Factors of *Schizophyllum commune*: Constitution of the Three Classes of B Factors. Mol Gen Genet 112, 43-48.
- Parag, Y. & Parag, G. (1974). Plaque Formation in *Bacillus Subtilis*, and Growth Inhibition of *Bacillus Subtilis* and *Sarcina* Sp., Induced by *Schizophyllum commune*. Can J Microbiol 20, 1754-1757.
- Parag, Y. & Gani, J. M. (1975). Monokaryon Frequency among Survivors from Dikaryotic Mycelial Fragments [*Schizophyllum commune*]. Heredity 35, 133-137.
- Parag, Y. & Giami, S. (1975). Recovery of High Frequency of Dikaryotic Cells Following Ultraviolet Irradiation of Dikaryons of *Schizophyllum commune*. Mutat Res 27, 127-130.
- Parag, Y., Ben-Shaul, R. & Lavie, B. (1971). Dominance and Non-Complementation among Pink-Adenineless Mutants of *Schizophyllum commune* Involving Two Discrete Genes. Mol Gen Genet.
- Park, D. C., Novotny, C. P., Ullich, R. C. & Lee, K. D. (1994). Isolation and Characterization of Aa mating locus from *Schizophyllum commune*. Han'guk Kyunhakhoe chi 22, 247.
- Penas, M. M., Rust, B., Larraya, L. M., Ramirez, L. & Pisabarro, A. G. (2002). Differentially regulated, vegetative-mycelium-specific hydrophobins of the edible basidiomycete *Pleurotus ostreatus*. Applied and Environmental Microbiology 68, 3891-3898.
- Perkins, J. H. (1969). Morphogenesis in *Schizophyllum commune*. I. Effects of White Light. Plant Physiol 44, 1706-1711.
- Perkins, J. H. (1969). The Development of the Fruiting Body of the Basidiomycete *Schizophyllum commune*: Harvard University.

- Perkins, J. H. & Gordon, S. A. (1969). Morphogenesis of *Schizophyllum commune*. Ii. Effects of Monochromatic Light. *Plant Physiol* 44, 1712-1716.
- Perkins, J. H. & Raper, J. R. (1970). Morphogenesis in *Schizophyllum commune*. Iii. A Mutation That Blocks Initiation of Fruiting. *Mol Gen Genet*.
- Phillips, L. E. (1974). Studies of Phenoloxidase Activity During Development in *Schizophyllum commune*: University of Kentucky.
- Phillips, L. E. & Leonard, T. J. (1976). Benzidine as a Substrate for Measuring Phenoloxidase Activity in Crude Cell-Free Extracts of *Schizophyllum commune* [Fungi]. *Mycologia* 68, 277-285.
- Phillips, L. E. & Leonard, T. J. (1976). Extracellular and Intracellular Phenoloxidase Activity During Growth and Development in *Schizophyllum* [Commune, Fungi]. *Mycologia* 68, 268-276.
- Phillips, L. E. & Leonard, T. J. (1977). On the Oxidation of Dihydroxyphenylalanine and Benzidine in Crude Cell-Free Fungal Extracts [*Schizophyllum commune*]. *Mycologia* 69, 413-416.
- Pontecorvo, G. (1956). The parasexual cycle in fungi. *Annual Review of Microbiology* 10, 393-400.
- Prokop, A., Rapp, P. & Wagner, F. (1992). Production of extracellular beta-1,3-/beta-1,6-glucan by mono- and dikaryons of *Schizophyllum commune*. *Experimental mycology* 16, 197-206.
- Prokop, A., Rapp, P. & Wagner, F. (1994). Production, purification, and characterization of an extracellular endo-beta-1,3-glucanase from a monokaryon of *Schizophyllum commune* ATCC 38548 defective in exo-beta-1,3-glucanase formation. *Canadian journal of microbiology* 40, 18-23.
- Radu, M., Steinlauf, R. & Koltin, Y. (1974). Meiosis in *Schizophyllum commune*: Chromosomal Behavior and the Synaptonemal Complex. *Arch Mikrobiol*.
- Raper, J. R., G. S. Krongelb and M. G. Baxter (1958). The number and distribution of incompatibility factors in *Schizophyllum commune*. *American Nat.* 92, 221-232.
- Raper, J. R., Baxter, M.G., and Ellingboe, A.H. (1960). The genetic structure of the incompatibility factors of *Schizophyllum commune*: the A factor. *Proc. Natl. Acad. Sci. USA* 44, 889-900.
- Raper, J. R. (1963). Device for the isolation of spores. *Journal of bacteriology* 86, 342-344.
- Raper, J. R. (1966). *Genetics of Sexuality in Higher Fungi*. New York: Ronald Press.
- Raper, J. R. a. A. S. F. (1970). The road to diploidy with emphasis on a detour. In *Organization and Control in Prokaryotic and Eukaryotic Cells.*, pp. 401-432. Edited by H. P. C. a. B. C. J. G. Knight. London: Cambridge University Press.

- Raper, C. A. (1983). Controls for development and differentiation of the dikaryon in basidiomycetes. In *Secondary Metabolism and Differentiation in Fungi*, pp. 195-238. Edited by J. W. a. C. Bennett, A. New York: Marcel Dekker.
- Raper, C. A. (1988). *Schizophyllum commune*, a model for genetic studies of the Basidiomycotina. *Advances in plant pathology*, 511-522.
- Raper, J. R. & Antonio, J. P. S. (1954). Heterokaryotic mutagenesis in Hymenomycetes. I. Heterokaryosis in *Schizophyllum commune*. *American Journal of Botany* 41, 69-86.
- Raper, J. R. & Miles, P. G. (1958). The genetics of *Schizophyllum commune*. *Genetics* 43, 530-546.
- Raper, J. R. & Krongelb, G. S. (1958). Genetic and environmental aspects of fruiting in *Schizophyllum commune*. *Mycologia* 50, 707-740.
- Raper, J. R. & Esser, K. (1961). Antigenic differences due to the incompatibility factors in *Schizophyllum commune*. *Z Vererbungslehre* 92, 439-444.
- Raper, J. R. & Hyatt, E. A. (1963). Modified press for disruption of microorganisms. *Journal of bacteriology* 85, 712-713.
- Raper, C. A. & Raper, J. R. (1964). Mutations affecting heterokaryosis in *Schizophyllum commune*. *American Journal of Botany* 51, 503-513.
- Raper, C. A. & Raper, J. R. (1966). Mutations modifying sexual morphogenesis in *Schizophyllum commune*. *Genetics* 54, 1151-1168.
- Raper, J. R. & M., R. (1968). Secondary mutations at the Bb incompatibility locus of *Schizophyllum*. *Heredity* 23, 109-117.
- Raper, J. R. & Raper, C. A. (1968). Genetic regulation of sexual morphogenesis in *Schizophyllum commune*. *Journal of Elisha Mitchell Sci. Soc.* 84, 267-273.
- Raper, J. R. & Raudaskoski, M. (1968). Secondary mutations at the BB locus of *Schizophyllum*. *Heredity* 23, 109-117.
- Raper, C. A. & Raper, J. R. (1973). Mutational analysis of a regulatory gene for morphogenesis in *Schizophyllum*. *Proc. Natl. Acad. Sci. USA* 69, 1426-1431.
- Raper, J. R. & Hoffman, R. M. (1974). *Schizophyllum commune*. In *Handbook of Genetics*, pp. 597-626. Edited by R. C. King. New York: Plenum Press.
- Raper, J. R., Antonio, J. P. S. & Miles, P. G. (1958). The expression of mutations in common-A heterokaryons of *Schizophyllum commune*. *Zeitschrift für Vererbungslehre* 89, 540-558.
- Raper, J. R., Baxter, M. G. & Middleton, R. B. (1958). The genetic structure of the incompatibility factors in *Schizophyllum commune*. *Proceedings of the National Academy of Sciences of the United States of America* 44, 889-900.

- Raper, J. R., Boyd, D. H. & Raper, C. A. (1965). Primary and secondary mutation at the incompatibility loci in *Schizophyllum*. Proceedings of the National Academy of Sciences of the United States of America 53.
- Rau, U. & Brandt, C. (1994). Oxygen controlled batch cultivations of *Schizophyllum commune* for enhanced production of branched α -1,3-glucans. Bioprocess engineering 11, 161.
- Raudaskoski, M. (1970). A new secondary BB mutation in *Schizophyllum* revealing functional differences in wild BB alleles. Hereditas 64, 259-266.
- Raudaskoski, M. (1970). Occurrence of microtubules and microfilaments and origin of septa in dikaryotic hyphae of *Schizophyllum commune*. Protoplasma 70, 415-422.
- Raudaskoski, M. (1972). Secondary Mutations at the Bbeta Incompatibility Locus and Nuclear Migration in the Basidiomycete *Schizophyllum commune*. Hereditas.
- Raudaskoski, M. (1972). Occurrence of Microtubules in the Hyphae of *Schizophyllum commune* During Intercellular Nuclear Migration. Arch Mikrobiol 86, 91-100.
- Raudaskoski, M. (1973). Light and Electron Microscope Study of Unilateral Mating between a Secondary Mutant and a Wild-Type Strain of *Schizophyllum commune*. Protoplasma 76, 35-48.
- Raudaskoski, M. (1976). Acid Phosphatase Activity in the Wild-Type and B-Mutant Hyphae of *Schizophyllum commune* [Fungi]. J Gen Microbiol 94, 373-379.
- Raudaskoski, M. (1998). The relationship between B-mating-type genes and nuclear migration in *Schizophyllum commune*. Fungal genetics and biology : FG & B 24, 207-227.
- Raudaskoski, M., Färdig, M., and Uuskallio, M. (1998). The structure of pheromone and receptor gene transcripts in Ba1 and Bb1 mating-type loci of *Schizophyllum commune*. In Fourth Meeting on the Genetics and Cellular Biology of Basidiomycetes, pp. 119-124. Edited by L. J. L. D. V. G. a. J. Visser.
- Raudaskoski, M. & Koltin, Y. (1973). Ultrastructural Aspects of a Mutant of *Schizophyllum commune* with Continuous Nuclear Migration. J Bacteriol 116, 981-988.
- Raudaskoski, M. & Vauras, R. (1982). Scanning electron microscope study of fruit body differentiation in *Schizophyllum commune* Fungi. Transactions of the British Mycological Society 78, 475-481 ill.
- Raudaskoski, M. & Viitanen, H. (1982). Effect of aeration and light on fruit body induction in *Schizophyllum commune* Fungi. Transactions of the British Mycological Society 78, 89-96 ill.
- Raudaskoski, M. & Lahti, R. (1983). Mitochondrial structure, ATP concentration and inorganic pyrophosphatase activity in a B mutant strain of *Schizophyllum commune* [Fungi]. The Journal of general microbiology 129, 2801-2808 ill.
- Raudaskoski, M. & Yli-Mattila, T. (1985). Capacity for photoinduced fruiting in a dikaryon of *Schizophyllum commune*. Transactions of the British Mycological Society 85, 145-151.

- Raudaskoski, M., Mao, W. Z. & Yli-Mattila, T. (1994). Microtubule cytoskeleton in hyphal growth Response to nocodazole in a sensitive and a tolerant strain of the homobasidiomycete *Schizophyllum commune*. European journal of cell biology 64, 131.
- Raudaskoski, M., Stamberg, J., Bawnik, N. & Koltin, Y. (1976). Mutational Analysis of Natural Alleles at the B Incompatibility Factor of [the Fungus] *Schizophyllum commune*: Alpha2 and Beta6. Genetics 83, 507-516.
- Rho, D., Desrochers, M., Jurasek, L., Driguez, H. & Defaye, J. (1982). Induction of cellulase in *Schizophyllum commune*: thiocellobiose as a new inducer Enzymatic saccharification of cellulose. Journal of bacteriology 149, 47-53 ill.
- Riegman, R. & Wessels, J. G. H. (1980). Nuclear inheritance of plaques in *Schizophyllum commune*. Transactions of the British Mycological Society 75, 325-327 ill.
- Rihs, J. D., Padhye, A. A. & Good, C. B. (1996). Brain Abscess Caused by *Schizophyllum commune*: An Emerging Basidiomycete Pathogen. Journal of clinical microbiology 34, 5.
- Robertson, C. I., Bartholomew, K. A., Novotny, C. P. & Ullrich, R. C. (1996). Deletion of the *Schizophyllum commune* Aalpha locus: the roles of Aalpha Y and Z mating-type genes. Genetics 144, 1437-1444.
- Robertson, C. I., Kende, A. M., Toenjes, K., Novotny, C. P. & Ullrich, R. C. (2002). Evidence for interaction of *Schizophyllum commune* Y mating-type proteins in vivo. Genetics 160, 1461-1467.
- Rojo, H. P., Vattuone, M. A. & Sampietro, A. R. (1994). Invertase from *Schizophyllum commune*. Phytochemistry 37, 119-123.
- Roshal, J. Y. (1950). Incompatibility Factors in a Population of *Schizophyllum commune*: The University of Chicago.
- Roshal, J. V. (1954). Studies of Variation in Dikaryotization of *Schizophyllum commune*, a Tetrapolar Hymenomycete: The University of Chicago.
- Rudoy, C. D. (1974). A Class of Genes Controlling B-Factor Regulated Development in *Schizophyllum commune*: Harvard University.
- Ruiters, M. H. J. & Wessels, J. G. H. (1989). In situ localization of specific RNAs in developing fruit bodies of the basidiomycete *Schizophyllum commune*. Experimental mycology 13, 212-222.
- Ruiters, M. H. J. & Wessels, J. G. H. (1989). In situ localization of specific RNAs in whole fruiting colonies of *Schizophyllum commune*. The Journal of general microbiology 135, 1747-1754.
- Rupes, I., Mao, W. Z., Astrom, H. & Raudaskoski, M. (1995). Effects of nocodazole and brefeldin A on microtubule cytoskeleton and membrane organization in the homobasidiomycete *Schizophyllum commune*. Protoplasma 185, 212-221.
- Rusmin, S. (1974). Biochemical Induction of Homokaryotic Fruiting in *Schizophyllum commune*: University of Kentucky.

- Rusmin, S. & Leonard, T. J. (1975). Biochemical Induction of Fruiting Bodies in *Schizophyllum commune*: A Bioassay and Its Application [Fungi]. *J Gen Microbiol* 90, 217-227.
- Rusmin, S. & Leonard, T. J. (1978). Biochemical Induction of Fruiting in *Schizophyllum* [Commune]. Isolation and Preliminary Purification of an Inducing Substance from *Agaricus bisporus* Mushrooms. *Plant Physiol* 61, 538-543.
- Russo, P., Juuti, J. T. & Raudaskoski, M. (1992). Cloning, sequence and expression of a beta-tubulin-encoding gene in the homobasidiomycete *Schizophyllum commune*. *Gene* 119, 175-182.
- Saha, S. B. & Samajpati, N. (1975). Effect of Different Toxic Chemicals on the Spore Germination of *Schizophyllum commune*. *Sci Cult* 41, 557-558.
- Samadder, P. P., Sen, K. & Kurosawa, S. (1997). Isolation and characterization of *Schizophyllum commune* mutants resistant to indole and caffeine. *Federation of European Microbiological Societies* 150, 277-282.
- Samadder, P. P., Sen, K. & Kurosawa, S. i. (1997). Isolation and characterization of *Schizophyllum commune* mutants resistant to indole and caffeine. *FEMS microbiology letters* 150, 6.
- Samadder, P. P., Sen, K. & Kurosawa, S. (1998). Indole- and caffeine-resistant mutations of *Schizophyllum commune* are involved in the behavior of a class III B mating-type factor in *trp1* cells. *Federation of European Microbiological Societies* 163, 113-120.
- Sanelli, T. E. (1995). An Investigation of the Catalytic Nucleophile of *Schizophyllum commune* Endoglucanase I: University of Guelph (Canada).
- Schaap, T. a. G. S. (1971). Inbreeding and the gentic control of recombination in a natural population of *Schizophyllum commune*. *Genetics* 68, 67-75.
- Schmidt, O. & Liese, W. (1980). Variability of wood degrading enzymes of *Schizophyllum commune*. *Holzforschung* 34, 67-72.
- Schneberger, G. L. (1965). Beta-D-Glucanases of *Schizophyllum commune*: West Virginia University.
- Scholtmeijer, K., Wosten, H. A. B., Springer, J. & Wessels, J. G. H. (2001). Effect of introns and AT-rich sequences on expression of the bacterial hygromycin B resistance gene in the basidiomycete *Schizophyllum commune*. *Applied and Environmental Microbiology* 67, 481-483.
- Scholtmeijer, K., Wosten, H. A. B., Springer, J. & Wessels, J. G. H. (2001). GENETICS AND MOLECULAR BIOLOGY - Effect of Introns and AT-Rich Sequences on Expression of the Bacterial Hygromycin B Resistance Gene in the Basidiomycete *Schizophyllum commune*. *Applied and environmental microbiology* 67, 3.
- Schorey, J. S. & Lilly, W. W. (1986). Depression of extracellular acid phosphatase activity in *Schizophyllum commune*. *Microbios letters* 32, 87-90.
- Schuren, F. H. J. (1999). Atypical interactions between thn and wild-type mycelia of *Schizophyllum commune*. *Mycological Research* 103, 1540-1544.

- Schuren, F. H. J. & Wessels, J. G. H. (1994). Highly-efficient transformation of the homobasidiomycete *Schizophyllum commune* to phleomycin resistance. *Current genetics* 26, 179-183.
- Schuren, F. H. J. & Wessels, J. G. H. (1998). Expression of heterologous genes in *Schizophyllum commune* is often hampered by the formation of truncated transcripts. *Current genetics* 33, 151-156.
- Schuren, F. H. J., Lende, T. R. v. d. & Wessels, J. G. H. (1993). Fruiting genes of *Schizophyllum commune* are transcriptionally regulated. *Mycological research* 97, 538-542.
- Schuren, F. H. J., Harmsen, M. C. & Wessels, J. G. H. (1993). A homologous gene-reporter system for the basidiomycete *Schizophyllum commune* based on internally deleted homologous genes. *M G G : Molecular and general genetics* 238, 91-96.
- Schuren, F. H. J., Van Der Lende, T. R. & Wessels, J. G. H. (1993). Fruiting genes of *Schizophyllum commune* are transcriptionally regulated. *Mycological research* 97, 538-542.
- Schuren, F. H., Harmsen, M. C. & Wessels, J. G. (1993). A homologous gene-reporter system for the basidiomycete *Schizophyllum commune* based on internally deleted homologous genes. *Molecular & general genetics : MGG* 238, 91-96.
- Schuren, F. H. J., Asgeirsdottir, S. A., Kothe, E. M., Scheer, J. M. J. & Wessels, J. G. H. (1993). The Sc7/Sc14 gene family of *Schizophyllum commune* codes for extracellular proteins specifically expressed during fruit-body formation. *The Journal of general microbiology* 139, 2083-2090.
- Schuurs, T. A., Schaeffer, E. A. M. & Wessels, J. G. H. (1997). Homology-dependent silencing of the SC3 gene in *Schizophyllum commune*. *Genetics* 147, 589-596.
- Schuurs, T. A., Dalstra, H. J. P., Scheer, J. M. J. & Wessels, J. G. H. (1998). Positioning of nuclei in the secondary mycelium of *Schizophyllum commune* in relation to differential gene expression. *Fungal genetics and biology : FG & B* 23, 150-161.
- Schwalb, M. N. (1967). Studies on the Control of Morphogenesis of the Basidiomycete *Schizophyllum commune* Fr: State University of New York at Buffalo.
- Schwalb, M. N. (1971). Commitment to Fruiting in Synchronously Developing Cultures of the Basidiomycete *Schizophyllum commune*. *Arch Mikrobiol* 79, 102-107.
- Schwalb, M. N. (1971). Developmental Regulation of Amylase Activity During Fruiting of *Schizophyllum commune*. *J Bacteriol* 108, 1205-1209.
- Schwalb, M. N. (1974). Changes in Activity of Enzymes Metabolizing Glucose 6-Phosphate During Development of the Basidiomycete *Schizophyllum commune*. *Dev Biol* 40, 84-89.
- Schwalb, M. N. (1974). Effect of Adenosine 3',5'-Cyclic Monophosphate on the Morphogenesis of Fruit Bodies of *Schizophyllum commune*. *Arch Mikrobiol*.
- Schwalb, M. N. (1975). Developmental Control of Enzyme Modification During Fruiting of the Basidiomycete *Schizophyllum commune* [Fungi]. *Biochem Biophys Res Commun*.

- Schwalb, M. N. (1977). Developmentally Regulated Proteases from the Basidiomycete *Schizophyllum commune* [Fungi]. *J Biol Chem* 252, 8435-8439.
- Schwalb, M. N. (1977). Cell Wall Metabolism During Fruiting of the Basidiomycete *Schizophyllum commune* [Fungi]. *Arch Microbiol* 114, 9-12.
- Schwalb, M. N. & Miles, P. G. (1967). Morphogenesis of *Schizophyllum commune*. I. Morphological variation and mating behavior of the thin mutation. *American Journal of Botany* 54, 440-446.
- Schwalb, M. N. & Miles, P. G. (1968). Morphogenesis of *Schizophyllum commune*. Iii. Activity of Inhibitors of Energy Metabolism. *Plant Cell Physiol* 9, 661-669.
- Schwalb, M. N. & Jansons, V. K. (1973). Comparison of Developmentally Controlled Glucoamylase from Normal and Mutant Strains of the Basidiomycete *Schizophyllum commune*. *Biochem Genet* 9, 359-367.
- Schwalb, M. N. & Shanler, A. (1974). Phototropic and Geotropic Responses During the Development of Normal and Mutant Fruit Bodies of the Basidiomycete *Schizophyllum commune*. *J Gen Microbiol* 82, 209-212.
- Schwanter, H. O. & Schippers, K. (1975). Bildung Abnormer Schnallenmyzelien Beim Ständerpilz *Schizophyllum commune*. *Mikrokosmos* 64, 109-112.
- Sebastian, R. (1970). Morphogenetic Studies of Mycelial Mutants of *Schizophyllum commune*: State University of New York at Buffalo.
- Sessoms, D. B. & Lilly, W. W. (1986). Derepressible proteolytic activity in homokaryotic hyphae of *Schizophyllum commune*. *Experimental mycology* 10, 294-300.
- Shaw, W. L. & Miles, P. G. (1970). Inhibition of the Development of *Schizophyllum commune* Germlings by the Ammonium Ion. *Plant Cell Physiol* 11, 487-497.
- Shen, G.-P., Park, D.-C., Ullrich, R. C. & Novotny, C. P. (1996). Cloning and characterization of a *Schizophyllum* gene with Ab6 mating activity. *Current Genetics* 29, 136-142.
- Shen, G.-P., Chen, Y., Song, D., Peng, Z., Novotny, C. P. & Ullrich, R. C. (2001). The Aalpha6 locus: Its relation to mating-type regulation of sexual development in *Schizophyllum commune*. *Current Genetics* 39, 340-345.
- Shneyour, Y. & Koltin, Y. (1981). Meiosis in *Schizophyllum commune*: The effect of hydroxyurea on the frequency of recombination and mutations. *Current genetics* 4, 159-163.
- Shneyour, Y. & Koltin, Y. (1983). Mutator activity in *Schizophyllum commune* Fungi. Mutation research : international journal on mutagenesis, chromosome breakage and related subjects 107, 41-51.
- Shneyour, Y., Stamberg, J., Hundert, P., Werczberger, R. & Koltin, Y. (1978). Selection with Cycloheximide of Metabolic and Uv [Ultra Violte]-Sensitive Mutants of *Schizophyllum commune* and *Saccharomyces cerevisiae* [Fungi]. *Mutat Res* 49, 195-201.

- Shu, C. H., Chen, Y. C. & Hsu, Y. C. (2002). Effects of Citric Acid on Cell Growth and Schizophyllan Formation in the Submerged Culture of *Schizophyllum commune*. Journal of the Chinese Institute of Chemical Engineers 33, 315-320.
- Sicari, L. M. & Ellingboe, A. H. (1967). Microscopical observations of initial interactions in various matings of *Schizophyllum commune* and *Coprinus lagopus*. American Journal of Botany 54, 437-439.
- Sietsma, J. H. & Wessels, J. G. H. (1977). Chemical Analysis of the Hyphal Wall of *Schizophyllum commune* [Fungi]. Biochim Biophys Acta 496, 225-239.
- Sietsma, J. H., Rast, D. & Wessels, J. G. H. (1977). The Effect of Carbon Dioxide on Fruiting and on the Degradation of a Cell-Wall Glucan in *Schizophyllum commune* [Fungi]. J Gen Microbiol 102, 385-389.
- Sigler, L., Bartley, J. R., Parr, D. H. & Morris, A. J. (1999). MYCOLOGY - Maxillary Sinusitis Caused by Medusoid Form of *Schizophyllum commune*. Journal of clinical microbiology 37, 4.
- Sigler, L., Maza, L. M. d. l., Tan, G., Egger, K. N. & Sherburne, R. K. (1995). Diagnostic Difficulties Caused by a Nonclamped *Schizophyllum commune* Isolate in a Case of Fungus Ball of the Lung. Journal of clinical microbiology 33, 5.
- Sigler, L., Estrada, S., Montealegre, N. A., Jaramillo, E., Arango, M., De Bedout, C. & Restrepo, A. (1997). Maxillary sinusitis caused by *Schizophyllum commune* and experience with treatment. Journal of Medical & Veterinary Mycology 35, 6.
- Simchen, G. (1966). Monokaryotic variation and haploid selection in *Schizophyllum commune*. Heredity 21, 241-263.
- Simchen, G. (1966). Fruiting and growth rate among single wild isolates of *Schizophyllum commune*. Genetics 53.
- Simchen, G. (1967). Genetic control of recombination and the incompatibility system in *Schizophyllum commune*. Genet. Res. 9, 195-210.
- Simchen, G. (1967). Independent evolution of a polygenic system in isolated populations of the fungus *Schizophyllum commune*. Evolution 21, 310-315.
- Simchen, G. & Links, J. L. (1964). The determination of dikaryotic growth-rate in the Basidiomycete, *Schizophyllum commune*: a biometrical analysis. Heredity 19, 629-649.
- Simchen, G. & Connolly, V. (1968). Changes in recombination frequency following inbreeding in *Schizophyllum*. Genetics 58, 319-326.
- Simchen, G. & Stamberg, J. (1969). Genetic Control of Recombination in *Schizophyllum commune*: Specific and Independent Regulation of Adjacent and Non-Adjacent Chromosomal Regions. Heredity 24, 369-381.
- Simchen, G. & Stamberg, J. (1969). Fine and coarse control of genetic recombination. Nature (Lond.) 222, 329-332.

- Simchen, G. & Stamberg, J. (1969). Genetic control of recombination in *Schizophyllum commune*: specific and independent regulation of adjacent and non-adjacent chromosomal regions. *Heredity* 24, 369-381.
- Smit, S. (1972). Proucavanje Biologije *Schizophyllum commune* Fr., Prouzrokovaca Prozuklosti Bukovog Drveta.
- Snider, P. J. (1963). Estimation of nuclear ratios directly from heterokaryotic mycelia in *Schizophyllum*. *American Journal of Botany* 50, 255-262.
- Snider, P. J. (1963). Genetic evidence for nuclear migration in Basidiomycetes. *Genetics* 48, 47-55.
- Snider, P. J. (1968). Nuclear movements in *Schizophyllum*. In *Aspects of Cell Motility. XXII Symposium of the Society of Experimental Biology*, pp. 261-283. London: Cambridge University Press.
- Snider, P. J. & Raper, J. R. (1958). Nuclear migration in the basidiomycete *Schizophyllum commune*. *American Journal of Botany* 45, 538-546.
- Sonnenberg, A. S. M., Sietsma, J. H. & Wessels, J. G. H. (1982). Biosynthesis of alkali-insoluble cell-wall glucan in *Schizophyllum commune* protoplasts. *The Journal of general microbiology* 128, 2667-2674.
- Sonnenberg, A. S. M., Sietsma, J. H. & Wessels, J. G. H. (1985). Spatial and temporal differences in the synthesis (1 leads to 3)-beta and (1leads to 6)-beta linkages in a wall glucan of *Schizophyllum commune*. *Experimental mycology* 9, 141-148.
- Specht, C. A. (1995). Isolation of the B alpha and B beta mating-type loci of *Schizophyllum commune*. *Current genetics* 28, 374-379.
- Specht, C. A. (1995). Isolation of the Ba and Bb mating-type loci of *Schizophyllum commune*. *Current genetics* 28, 6.
- Specht, C. A., Novotny, C. P. & Ullrich, R. C. (1983). Isolation and characterization of mitochondrial DNA from the basidiomycete *Schizophyllum commune* [Fungi, genomes]. *Experimental mycology* 7, 336-343 ill.
- Specht, C. A., Novotny, C. P. & Ullrich, R. C. (1992). Mitochondrial DNA of *Schizophyllum commune*: restriction map, genetic map, and mode of inheritance. *Current genetics* 22, 129-134.
- Specht, C. A., Munoz-Rivas, A., Novotny, C. P. & Ullrich, R. C. (1988). Transformation of *Schizophyllum commune*: an analysis of parameters for improving transformation frequencies. *Experimental mycology* 12, 357-366.
- Specht, C. A., Munoz-Rivas, A., Novotny, C. P. & Ullrich, R. C. (1991). Transformation of *Schizophyllum commune*: an Analysis of specific properties. *Experimental mycology* 15, 326-335.

- Specht, C. A., Stankis, M. M., Novotny, C. P. & Ullrich, R. C. (1994). Mapping the heterogeneous DNA region that determines the nine A-alpha mating-type specificities of *Schizophyllum commune*. *Genetics* 137, 709-714.
- Specht, C. A., Stankis, M. M., Giasson, L., Novotny, C. P. & Ullrich, R. C. (1992). Functional analysis of the homeodomain-related proteins of the A-alpha locus of *Schizophyllum commune*. *Proceedings of the National Academy of Sciences of the United States of America* 89, 7174-7178.
- Speth, J. L. (1976). *Enzymes of Polyol Metabolism in Hyphal Differentiation and Fruiting of Schizophyllum commune*: Indiana University.
- Speth, J. L. & Niederpruem, D. J. (1976). Enzyme Activities Associated with Arabitol and Mannitol Biosynthesis and Catabolism in *Schizophyllum commune* [Fungi]. *Arch Microbiol* 107, 81-86.
- Springer, J. & Wessels, J. G. H. (1989). A frequently occurring mutation that blocks the expression of fruiting genes in *Schizophyllum commune*. *M G G : Molecular and general genetics* 219, 486-488.
- Stamberg, J. (1969). Genetic Control of Recombination in *Schizophyllum commune*: The Occurrence and Significance of Natural Variation. *Heredity* 24, 361-368.
- Stamberg, J. A. (1969). *Genetic Control of Recombination in Schizophyllum commune*: Harvard University.
- Stamberg, J. & Simchen, G. (1970). Specific Effects of Temperature on Recombination in *Schizophyllum commune*. *Heredity* 25, 41-52.
- Stamberg, J. & Koltin, Y. (1971). Selectively Recombining B Incompatibility Factors of *Schizophyllum commune*. *Mol Gen Genet* 113, 157-165.
- Stamberg, J. & Koltin, Y. (1972). The organization of the incompatibility factors in higher fungi: The effects of structure and symmetry of breeding. *Heredity* 30, 15-26.
- Stamberg, J. & Koltin, Y. (1973). Genetic Control of Recombination in *Schizophyllum commune*: Evidence for a New Type of Regulatory Site. *Genet Res* 22, 101-111.
- Stamberg, J. & Koltin, Y. (1974). Recombinational Analysis of Mutations at an Incompatibility Locus of *Schizophyllum* [Commune]. *Mol Gen Genet* (Mgg).
- Stamberg, J., Koltin, Y. & Tamarkin, A. (1977). Deletion Mapping of Wildtype and Mutant Alleles at the B Incompatibility Factor of *Schizophyllum* [Commune, Fungi]. *Mol Gen Genet* (Mgg).
- Stankis, M. M., Specht, C. A., Yang, H., Giasson, L., Ullrich, R. C. & Novotny, C. P. (1992). The A-alpha mating locus of *Schizophyllum commune* encodes two dissimilar multiallelic homeodomain proteins. *Proceedings of the National Academy of Sciences of the United States of America* 89, 7169-7173.

- Steiner, W., Lafferty, R. M., Gomes, I. & Esterbauer, H. (1987). Studies on a wild strain of *Schizophyllum commune*: cellulase and xylanase production and formation of the extracellular polysaccharide Schizophyllan. *Biotechnology and bioengineering* 30, 169-178.
- Strating, H. (1993). Affinity Labelling of *Schizophyllum commune* Cellulase: University of Guelph (Canada).
- Sundberg, W. J. (1971). A study of basidial ontogeny and meiosis in *Schizophyllum commune* utilizing light and electron microscopy, pp. v, 156 leaves 121 cm: University of California.
- Sundberg, W. J. (1976). A Hybrid Technique for Staining Meiotic Nuclei of Basidiomycetes [*Schizophyllum commune*, Fungi]. *Stain Technol* 51, 103-105.
- Swack, N. S. & Miles, P. G. (1960). Conditions affecting growth and indogotin production by strain 130 of *Schizophyllum commune*. *Mycologia* 52, 574-583.
- Tachibana, S. (1969). On the Mechanism of L-Malic Acid Fermentation Using *Schizophyllum commune* Fries. *Mushroom Sci.*
- Tachibana, S. (1972). Metabolism of Riboflavin in *Schizophyllum commune*. *J Vitaminol.*
- Tachibana, S. & Murakami, T. (1974). Effects of Flavins on L-Malate Fermentation Utilizing Ethanol by *Schizophyllum commune*. *J Ferment Technol.*
- Tachibana, S. & Murakami, T. (1974). Effects of Carbon Dioxide Sources and Other Compounds on Lmalate Fermentation Utilizing Ethanol by *Schizophyllum commune*. *J Ferment Technol* 52, 353-359.
- Tachibana, S. & Murakami, T. (1975). The Isolation and Some Properties of New Flavins ("Schizoflavin") Formed by *Schizophyllum commune* [Fungi]. *J Nutr Sci Vitaminol* 21, 61-63.
- Tachibana, S. & Oka, M. (1982). NADPH-dependence of vitamin B₂-aldehyde-forming enzyme Isolated from *Schizophyllum commune*, riboflavin. *Journal of nutritional science and vitaminology* 28, 335-342.
- Tachibana, S., Murakami, T. & Ninomiya, T. (1975). Identification of the Chemical Structures of Schizoflavins [*Schizophyllum commune*, Fungi] as 7,8-Dimethyl-10(2,3,4-Trihydroxy-4-Formylbutyl)Isoalloxazine and 7,8-Dimethyl-10-(2,3,4-Trihydroxy-4-Carboxybutyl)Isoalloxazine. *J Nutr Sci Vitaminol* 21, 347-353.
- Tang, C. Y. & Chang, S. T. (1974). Variation in Recombination Frequencies in *Schizophyllum commune* and Its Genetic Control. *Aust J Biol Sci* 27, 103-110.
- Tanimoto, T., Tsujita, Y., Hamano, K. & Haruyama, H. (1995). Schizostatin, a potent squalene synthase inhibitor from *Schizophyllum commune*: isolation, structure elucidation, and total synthesis. *Tetrahedron letters; the international organ for the rapid publication of preliminary communications in organic chemistry* 36, 6301.
- Tanimoto, T., Tsujita, Y., Hamano, K., Haruyama, H., Kinoshita, T., Hosoya, T., Kaneko, S., Tago, K. & Kogen, H. (1995). Schizostatin, a potent squalene synthase inhibitor from *Schizophyllum commune*: isolation, structure elucidation, and total synthesis. *Tetrahedron letters*

: the international organ for the rapid publication of preliminary communications in organic chemistry 36, 6301-6304.

Tanimoto, T., Onodera, K., Hosoya, T., Takamatsu, Y., Kinoshita, T., Tago, K., Kogen, H., Fujioka, T., Hamano, K. & Tsujita, Y. (1996). Schizostatin, a Novel Squalene Synthase Inhibitor Produced by the Mushroom, *Schizophyllum commune* I Taxonomy, Fermentation, Isolation, Physico-chemical Properties and Biological Activities. Journal of antibiotics 49, 7.

Tarkka, M. T., Vasara, R., Gorfer, M. & Raudaskoski, M. (2000). Molecular characterization of actin genes from homobasidiomycetes: Two different actin genes from *Schizophyllum commune* and *Suillus bovinus*. Gene 251, 27-35.

Tenkanen, M. & Siika-aho, M. (2000). An alpha-glucuronidase of *Schizophyllum commune* acting on polymeric xylan. Journal of Biotechnology 78, 149-161.

Todd, N. K. & Aylmore, R. C. (1985). Cytology of hyphal interactions and reactions in *Schizophyllum commune*. Symposium series - British Mycological Society, 231-248 ill.

Tomita, K. (1996). Allergic Bronchopulmonary Mycosis Caused by *Schizophyllum commune*. Nihon Kyōbu Shikkan Gakkai zasshi = The Japanese journal of thoracic diseases 34, 804.

Trojanowski, J., De Vries, O. M. H., Wessels, J. G. H. & Huttermann, A. (1986). Capacity to demethylate lignin and oxidase production by *Schizophyllum commune* (monokaryon) and Polyporus species. Microbios letters 130, 67-70.

Tryel, E. (1974). Guldregn (Laburnum Anagyroides) Som Vaertplante for Klovblad (*Schizophyllum commune*) Og Tre Andre Storsvampe. Friesia.

Tzean, S. S. & Estey, R. H. (1978). *Schizophyllum commune* Fr. As a Destructive Mycoparasite. Can J Microbiol 24, 780-784 PLATES.

Ullrich, R. C. (1977). Isozyme Patterns and Cellular Differentiation in [the Woodrotting Fungus] *Schizophyllum* [Commune]. Mol Gen Genet (Mgg).

Ullrich, R. C., Giasson, L., Specht, C. A., Stankis, M. M. & Novotny, C. P. (1990). The A alpha multiallelic mating-type genes of *Schizophyllum commune*. UCLA symposia on molecular and cellular biology, 271-288.

Ullrich, R. C., Specht, C. A., Munoz-Rivas, A., Froeliger, E., Drummond, B. J. & Novotny, C. P. (1985). Mating type in the Basidiomycete *Schizophyllum commune*. In Plant cell cell interactions edited by Ian Sussex [et al], pp. 41-45. Cold Spring Harbor, N.Y.: Cold Spring Harbor Laboratory.

Ullrich, R. C., Specht, C. A., Stankis, M. M., Yang, H., Giasson, L. & Novotny, C. P. (1991). Molecular biology of mating-type determination in *Schizophyllum commune*. Genetic engineering : Principles and methods, 279-306.

Vaillancourt, L. J. & Raper, C. A. (1996). Pheromones and pheromone receptors as mating-type determinants in basidiomycetes. Genetic Engineering 18, 219-247.

- Vaillancourt, L. J., Raudaskoski, M., Specht, C. A. & Raper, C. A. (1997). Multiple genes encoding pheromones and a pheromone receptor define the B beta 1 mating-type specificity in *Schizophyllum commune*. *Genetics* 146, 541-551.
- Vakili, N.-G. (1953). On the Genetics of the a Factor in *Schizophyllum commune*: The University of Chicago.
- Valk, P. V. D. & Wessels, J. G. H. (1976). Ultrastructure and Localization of Wall Polymers During Regeneration and Reversion of Protoplasts of *Schizophyllum commune* [Fungi]. *Protoplasma*.
- Valk, P. V. D. & Wessels, J. G. H. (1977). Light and Electron Microscopic Autoradiography of Cell-Wall Regeneration by *Schizophyllum commune* Protoplasts [Fungi]. *Acta Bot Neerl* 26, 43-52.
- Valk, P. V. D. & Marchant, R. (1978). Hyphal Ultrastructure in Fruit-Body Primordia of the Basidiomycetes *Schizophyllum commune* and *Coprinus cinereus* [Fungi]. *Protoplasma*.
- Valk, P. V. D., Marchant, R. & Wessels, J. G. H. (1977). Ultrastructural Localization of Polysaccharides in the Wall and Septum of the Basidiomycete *Schizophyllum commune* [Fungi]. *Exp Mycol* 1, 69-82 PLATES.
- Van My, D. & Grzywacz, A. (1975). Występowanie i Znaczenie Gospodarcze *Schizophyllum commune* Fr. Jako Grzyba Niszczącego Drewno. *Lesnictwo* (Warsz).
- vanWetter, M. A., Wosten, H. A. B. & Wessels, J. G. H. (2000). SC3 and SC4 hydrophobins have distinct roles in formation of aerial structures in dikaryons of *Schizophyllum commune*. *Molecular microbiology* 36, 201-210.
- vanWetter, M. A., Schuren, F. H. J., Schuurs, T. A. & Wessels, J. G. H. (1996). Targeted mutation of the SC3 hydrophobin gene of *Schizophyllum commune* affects formation of aerial hyphae. *FEMS microbiology letters* 140, 6.
- vanWetter, M. A., Wosten, H. A. B., Sietsma, J. H. & Wessels, J. G. H. (2000). Hydrophobin gene expression affects hyphal wall composition in *Schizophyllum commune*. *Fungal genetics and biology* : FG & B 31, 99-104.
- Vanyushin, B. F., Belozersky, A. N. & Bogdanova, S. L. (1960). A comparative study of the nucleotide composition of ribonucleic acid and deoxyribonucleic acid in some fungi and myxomycetes. *Dokl. Akad. Nauk. SSSR Ser. Biol. Sci. Sect. (English Trans.)* 134, 1222-1225.
- Varadi, J. & Jurasek, L. (1970). Cellulase and Xylanase of Fungus *Schizophyllum commune*. II. Submerged Cultivation on a Rotary Shaker and Vibrating Equipment. *Drevarsky Vyskum*.
- Varadi, J., Necesany, V. & Kovacs, P. (1971). Cellulase and Xylanase of Fungus *Schizophyllum commune*. III. Purification and Properties of Xylanase. *Drevarsky Vyskum*.
- Vermeulen, C. A. & Wessels, J. G. H. (1984). Ultrastructural differences between wall apices of growing and non-growing hyphae of *Schizophyllum commune*. *Protoplasma* 120, 123-131 ill.

- Villa, V. D. & Storck, R. (1968). Nucleotide composition of nuclear and mitochondrial deoxyribonucleic acid of fungi. *Journal of Bacteriology* 96, 184-190.
- Volz, P. A. (1970). Induced Cytological Aberrancies in Basidiocarp Morphology of *Schizophyllum commune* Fr. *Arch Mikrobiol* 72, 371-374.
- Voorhees, D. A. & Peterson, J. L. (1986). Hypha-spore attractions in *Schizophyllum commune*. *Mycologia* 78, 762-765.
- Wallweber, G. J. & Lilly, W. W. (1992). Purification and characterization of the two constitutively produced acid phosphatase isozymes from *Schizophyllum commune*. *Mycological research* 96, 792-797.
- Wang, C.-S. (1964). Studies of the Cell Walls of *Schizophyllum commune*: State University of New York at Buffalo.
- Wang, C.-S. & Raper, J. R. (1969). Protein Specificity and Sexual Morphogenesis in *Schizophyllum commune*. *J Bacteriol* 99, 291-297.
- Wang, C. S. & Raper, J. R. (1970). Isozyme-patterns and sexual morphogenesis in *Schizophyllum*. *Proceedings of the National Academy of Sciences of the United States of America* 66, 882-889.
- Wang, C. S., Schwalb, M. N. & Miles, P. G. (1968). A relationship between cell-wall composition and mutant morphology in the basidiomycete *Schizophyllum commune*. *Canadian Journal of Microbiology* 14, 809-811.
- Watling, R. & Sweeney, J. (1974). Observations on *Schizophyllum commune* Fries. *Sabouraudia* 12, 214-226.
- Watrud, L. S. (1972). Evidence for Cytoplasmic Exchange in Matings of *Schizophyllum commune*: Michigan State University.
- Watrud, L. S. (1973). Evidence for cytoplasmic exchange in matings of *Schizophyllum commune*, pp. 87 leaves. Ann Arbor, Mich.: University Microfilms
- Michigan State University.
- Watrud, L. S. & Ellingboe, A. H. (1973). Cobalt as a Mitochondrial Density Marker in a Study of Cytoplasmic Exchange During Mating of *Schizophyllum commune*. *J Cell Biol* 59, 127-133.
- Watrud, L. S. & Ellingboe, A. H. (1973). Use of Cobalt as a Mitochondrial Vital Stain to Study Cytoplasmic Exchange in Matings of the Basidiomycete *Schizophyllum commune*. *J Bacteriol* 115, 1151-1158.
- Wazny, J., Van My, D. & Grzywacz, A. (1975). Wartosc Grzybobjczy Fungicydow W Stosunku Do *Schizophyllum commune* Fr. *Lesnictwo (Warsz)*.
- Wendland, J. & Kothe, E. (1996). Allelic divergence at B alpha 1 pheromone receptor genes of *Schizophyllum commune*. *Federation of European Microbiological Societies* 145, 451-455.

- Wendland, J. & Kothe, E. (1997). Isolation of *tefl* encoding translation elongation factor EF1 alpha from the homobasidiomycete *Schizophyllum commune*. *Mycological research* 101, 798-802.
- Wendland, J., Vaillancourt, L. J., Hegner, J., Lengeler, K. B., Laddison, K. J., Specht, C. A., Raper, C. A. & Kothe, E. (1995). The mating-type locus *Ba1* of *Schizophyllum commune* contains a pheromone receptor gene and putative pheromone genes. *The EMBO journal* 14, 5271.
- Wessels, J. G. H. (1969). Biochemistry of sexual morphogenesis in *Schizophyllum commune*: effects of mutations affecting the incompatibility system on cell-wall metabolism. *Journal of Bacteriology* 98, 697-704.
- Wessels, J. G. H. (1969). A Beta-1,6-glucan glucanohydrolase involved in hydrolysis of cell-wall glucan in *Schizophyllum commune*. *Biochim Biophys Acta* 178, 191-193.
- Wessels, J. G. H. (1971). Cell wall metabolism and morphogenesis in *Schizophyllum*. *Int. Congr. Microbiol. (Mexico)* 10, 141-146.
- Wessels, J. G. H. (1985). Gene expression during basidiocarp formation in *Schizophyllum commune*. *UCLA symposia on molecular and cellular biology*, 193-206 ill.
- Wessels, J. G. H. (1992). Gene expression during fruiting in *Schizophyllum commune*. *Mycological research* 96, 609-620.
- Wessels, J. G. H. & Niederpruem, D. J. (1967). Role of a cell-wall glucan-degrading enzyme in mating of *Schizophyllum commune*. *Journal of bacteriology* 94, 1594-1602.
- Wessels, J. G. H. & deVries, O. M. H. (1973). Wall Structure, Wall Degradation, Protoplast Liberation and Wall Regeneration in *Schizophyllum commune*. In *Yeast Mould and Plant Protoplasts Proceedings*, Held at Salamanca, Spain J R Villanueva, & Others, Eds.
- Wessels, J. G. H. & Marchant, R. (1974). Enzymic Degradation of Septa in Hyphal Wall Preparations from a Monokaryon and a Dikaryon of *Schizophyllum commune*. *J Gen Microbiol* 83, 359-358.
- Wessels, J. G. H. & Sietsma, J. H. (1981). Significance of linkages between chitin and beta-glucan in fungal walls *Schizophyllum commune*. *Microbiology*, 232-234.
- Wessels, J. G. H., Hoeksema, H. L. & Stermerding, D. (1976). Reversion of Protoplasts from Dikaryotic Mycelium of *Schizophyllum commune* [Fungi, Morphology]. *Protoplasma*.
- Wessels, J. G. H., Sietsma, J. H. & Sonnenberg, A. S. M. (1983). Wall synthesis and assembly during hyphal morphogenesis in *Schizophyllum commune* Fungi. *The Journal of general microbiology* 129, 1607-1616 ill.
- Wessels, J. G. H., Dons, J. J. M. & Vries, O. M. H. d. (1985). Molecular biology of fruit body formation in *Schizophyllum commune*. *Symposium series - British Mycological Society*, 485-497 ill.

Wessels, J. G. H., Kreger, D. R., Marchant, R. & Vries, O. M. H. D. (1972). Chemical Morphological Characterization of the Hyphal Wall Surface of the Basidiomycete *Schizophyllum commune*. Biochim Biophys Acta 273, 346-358.

Wessels, J. G. H., Vries, O. M. H. D., Ásgeirsdóttir, S. A. & Springer, J. (1991). The thin mutation of *Schizophyllum commune*, which suppresses formation of aerial hyphae, affects expression of the Sc3 hydrophobin gene. Journal of Genetic Microbiology 137, 2439-2445.

Wessels, J. G., Schuur, T. A., Dalstra, H. J. & Scheer, J. M. (1999). Nuclear distribution and gene expression in the secondary mycelium of *Schizophyllum commune*. British Mycological Society symposium series 21, 302-325.

Wessels, J. G. H., Ásgeirsdóttir, S. A., Birkenkamp, K. U., Vries, O. M. H. d., Lugones, L. G., Scheer, J. M. J., Schuren, F. H. J., Schuur, T. A., Wetter, M. A. v. & Wosten, H. A. B. (1995). B4 6 Genetic regulation of emergent growth in *Schizophyllum commune*. Canadian journal of botany 73, S273.

Williams, S., Verma, M. M., Jinks, J. L. & Brasier, C. M. (1976). Variation in a Natural Population of *Schizophyllum commune* [Fungi]. II. Variation within the Extreme Isolates for Growth Rate [Biometrical Genetical Studies]. Heredity 37, 365-375.

Willick, G. E. & Seligy, V. L. (1985). Multiplicity in cellulases of *Schizophyllum commune*. Derivation partly from heterogeneity in transcription and glycosylation. European journal of biochemistry 151, 89-96.

Willick, G. E., Morosoli, R., Seligy, V. L., Yaguchi, M. & Desrochers, M. (1984). Extracellular proteins secreted by the basidiomycete *Schizophyllum commune* in response to carbon source [Fungi]. Journal of bacteriology 159, 294-299 ill.

Wilson, R. W. (1972). Acid and Alkaline Phosphatases in *Schizophyllum commune*. Can J Microbiol 18, 694-695.

Wosten, H. A. B., Van Wetter, M.-A., Lugones, L. G., Van Der Mei, H. C., Busscher, H. J. & Wessels, J. G. H. (1999). How a fungus escapes the water to grow into the air. Current Biology 9, 85-88.

Wu, J., Ullrich, R. C. & Novotny, C. P. (1996). Regions in the Z5 mating gene of *Schizophyllum commune* involved in Y-Z binding and recognition. Molecular & general genetics : MGG 252, 739-745.

Yamagishi, K., Kimura, T., Suzuki, M. & Shinmoto, H. (2002). Suppression of fruit-body formation by constitutively active G-protein alpha-subunits ScGP-A and ScGP-C in the homobasidiomycete *Schizophyllum commune*. Microbiology 148, 2797-2809.

Yamagishi, K., Kimura, T., Suzuki, M. & Shinmoto, H. (2002). Suppression of fruit-body formation by constitutively active G-protein a-subunits ScGP-A and ScGP-C in the homobasidiomycete *Schizophyllum commune*. Microbiology 148, 14.

Yang, H., Shen, G. P., Park, D. C., Novotny, C. P. & Ullrich, R. C. (1995). The Aalpha mating-type transcripts of *Schizophyllum commune*. Experimental mycology 19, 16-25.

- Yli-Mattila, T. (1985). Action spectrum for fruiting in the basidiomycete *Schizophyllum commune*. *Physiologia plantarum* 65, 287-293.
- Yli-Mattila, T. (1990). Photobiology of Fruit Body Formation in the Basidiomycete *Schizophyllum commune*. Arto Niemi, Painosalama Oy, Uudenmaankatu 2, Sf-20500 Turku, Finland: Turun Yliopisto (Finland).
- Yli-Mattila, T. & Raudaskoski, M. (1992). Glucoamylase activity and water-soluble polysaccharides during monokaryotic and dikaryotic fruiting in *Schizophyllum commune*. *Mycological research* 96, 597-604.
- Yli-Mattila, T., Ruiters, M. H. J. & Wessels, J. G. H. (1989). Photoregulation of dikaryon-specific mRNAs and proteins by UV-A Light in *Schizophyllum commune*. *Current microbiology* 18, 289-295.
- Yli-Mattila, T., Ruiters, M. H. J., Wessels, J. G. H. & Raudaskoski, M. (1989). Effect of inbreeding and light on monokaryotic and dikaryotic fruiting in the homobasidiomycete *Schizophyllum commune*. *Mycological research* 93, 535-542.
- Yue, C. L., Osier, M., Novotny, C. P. & Ullrich, R. C. (1997). The specificity determinant of the Y mating-type proteins of *Schizophyllum commune* is also essential for Y-Z protein binding. *Genetics* 145, 253-260.
- Zentz, F. & Muller, G. U. Y. (1992). Post-fermentation processing conditions and solution properties of an extracellular fungal polysaccharide isolated from the culture filtrate of *Schizophyllum commune*. *Carbohydrate polymers* 19, 75-82.
- Zhang, X. (1994). Studies of the Genetics, Morphology, and Physiology of the Thin (Thn) Mutant in the Basidiomycete *Schizophyllum commune*. Madison: The University of Wisconsin.
- Zhao, J. & Chang, S. T. (1995). Intraspecific hybridization between *Coprinus cinereus* and *Schizophyllum commune* by PEG-induced protoplast fusion and electrofusion. *World journal of microbiology & biotechnology* 11, 585-590.
- Zhao, J. & Chang, S. T. (1996). Intergeneric hybridization between *Pleurotus ostreatus* and *Schizophyllum commune* by PEG-induced protoplast fusion. *World journal of microbiology & biotechnology* 12, 573-578.