

Neurospora Bibliography

This bibliography represents my attempt to collect all works dealing substantially with Neurospora. Please let me know of anything published in 2000 or 2001 that is not included here or in the previous bibliography, so that it might be mentioned next year. I would be especially happy to hear of chapters from books, and articles from journals not indexed in major bibliographic services. Please also let me know of any errors in citation. Please send reprints or copies of articles to the Fungal Genetics Stock Center.

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1. **Abadulla, E., K. H. Robra, G. M. Gubitz, L. M. Silva, and P.-A. Cavaco.** 2000. Enzymatic decolorization of textile dyeing effluents. *Textile Res. J.* **70**:409-414.
2. **Adhvaryu, K. K. and R. Maheshwari.** 2000. Use of microconidia for testing the genetic purity of Neurospora stocks. *Fungal Genet. Newslett.* **47**:59-60.
3. **Ahting, U., M. Thieffry, H. Engelhardt, R. Hegerl, W. Neupert, and S. Nussberger.** 2001. Tom40, the pore-forming component of the protein-conducting TOM channel in the outer membrane of mitochondria. *J. Cell Biol.* **153**:1151-1160.
4. **Aign, V., U. Schulte, and J. D. Hoheisel.** 2001. Hybridization-based mapping of *Neurospora crassa* linkage groups II and V. *Genetics* **157**:1015-1020.
5. **Akiyama, K.** 2000. The role of fungal allergy in bronchial asthma. *Nippon Ishinkin Gakkai Zasshi* **41**:149-155.
6. **Andersen, A. and R. Collins.** 2001. Intramolecular secondary structure rearrangement by the kissing interaction of the Neurospora VS ribozyme. *Proc. Natl. Acad. Sci. USA* **98**:7730-7735.
7. **Anderson, C., Q. Tang, and J. A. Kinsey.** 2001. Elimination of active Tad elements during the sexual phase of the *Neurospora crassa* life cycle. *Fungal Genet. Biol.* **33**:49-57.
8. **Anonymous.** 2000. TOUCHINGbase. Genomes galore. *Nat Genet* **24**:211.
9. **Arnett, D.** 2000. Site-directed mutagenesis of the -127 activator binding site of the *qa-2* gene of *Neurospora crassa*. Thesis (M.S.)--Youngstown State University. 87 pg.
10. **Asard, H., N. Horemans, G. Potters, and R. J. Caubergs.** 2000. Plasma membrane electron transport and the control of cellular redox status and circadian rhythms. In: The redox state and circadian rhythms. T. Vanden Driessche, J.L. Guisset and G.M. Petiau-De Vries (eds.). Kluwer Academic. pp. 163-175.
11. **Aslanidi, K. B., A. G. Pogorelov, O. V. Aslanidi, O. A. Mornev, and T. V. Potapova.** 2000. Potassium distribution in the *Neurospora crassa* hypha. *Dokl. Biophys.* **370-372**:25-28.
12. **Aslanidi, K. B., A. G. Pogorelov, O. V. Aslanidi, O. A. Mornev, and G. G. Sahakyan.** 2000. Transsincitial potassium gradients in the polarized growth of *Neurospora crassa* hyphae. *Biologicheskie Membrany* **17**:387-394.
13. **Balzer, I., B. Hocker, H. Kapp, and B. Bartolomaeus.** 2000. Occurrence and comparative physiology of melatonin in evolutionary diverse organisms. In: The redox state and circadian rhythms. T. Vanden Driessche, J.L. Guisset and G.M. Petiau-De Vries (eds.). Kluwer Academic. pp. 95-119.
14. **Barja, F., Y. Jaquet, R. O. Perez, H. C. Hoch, and M. Ojha.** 2000. Identification and localization of calcium-dependent protease II in *Neurospora crassa* and *Uromyces appendiculatus*. *Protoplasma* **210**:85-91.
15. **Barkai, N. and S. Leibler.** 2000. Circadian clocks limited by noise. *Nature* **403**:267-268.
16. **Bauer, M. F. and W. Neupert.** 2001. Import of proteins into mitochondria: A novel pathomechanism for progressive neurodegeneration. *J. Inherit. Metab. Dis.* **24**:166-180.
17. **Bean, L. E., W. H. Dvorachek, Jr., E. L. Braun, A. Errett, G. S. Saenz, M. D. Giles, M. Werner-Washburne, M. A. Nelson, and D. O. Natvig.** 2001. Analysis of the *pdx-1* (*snz-1/sno-1*) region of the *Neurospora crassa* genome. Correlation of pyridoxine-requiring phenotypes with mutations in two structural genes. *Genetics* **157**:1067-1075.
18. **Bertrand, H.** 2000. Role of mitochondrial DNA in the senescence and hypovirulence of fungi and potential for plant disease control. *Annu. Rev. Phytopathol.* **38**:397-422.
19. **Bhandarkar, S., S. Machaka, S. Shete, and R. Kota.** 2001. Parallel computation of a maximum-likelihood estimator of a physical map. *Genetics* **157**:1021-1043.
20. **Bhanoori, M. and G. Venkateswarlu.** 2000. In vivo chitin-cadmium complexation in cell wall of *Neurospora crassa*. *Biochim. Biophys. Acta* **1519**:21-28.
21. **Bhat, A. and D. Kasbekar.** 2001. Escape from repeat-induced point mutation of a gene-sized duplication in *Neurospora crassa* crosses that are heterozygous for a larger chromosome segment duplication. *Genetics* **157**:1581-1590.
22. **Bok, J., T. Sone, L. Silverman Gavrila, R. Lew, F. Bowring, D. Catcheside, and A. Griffiths.** 2001. Structure and function analysis of the calcium-related gene *spray* in *Neurospora crassa*. *Fungal Genet. Biol.* **32**:145-158.
23. **Bornemann, S., M. E. Theoclito, M. Brune, M. R. Webb, R. N. Thorneley, and C. Abell.** 2000. A secondary beta deuterium kinetic isotope effect in the chorismate synthase reaction. *Bio-Organic Chem.* **28**:191-204.
24. **Boyd, M. R., C. Farina, P. Belfiore, S. Gagliardi, J. W. Kim, Y. Hayakawa, J. A. Beutler, T. C. McKee, B. J. Bowman, and E. J. Bowman.** 2001. Discovery of a novel antitumor benzolactone enamide class that selectively inhibits mammalian vacuolar-type (H⁺)-ATPases. *J. Pharmacol. Exp. Ther.* **297**:114-120.

25. **Burt, A.** 2000. Perspective: sex, recombination, and the efficacy of selection - was Weismann right? *Evolution*. **54**:337-351.
26. **Butenandt, J.** 1999. Synthesis, recognition, and repair of DNA photodamage analogues. Thesis (Ph.D.)--Eidgenoessische Technische Hochschule Zurich. 249 pg.
27. **Caprara, M., C. Myers, and A. Lambowitz.** 2001. Interaction of the *Neurospora crassa* mitochondrial tyrosyl-tRNA synthetase (CYT-18 protein) with the group I intron P4-P6 domain. Thermodynamic analysis and the role of metal ions. *J. Mol. Biol.* **308**:165-190.
28. **Carthew, R. W.** 2001. Gene silencing by double-stranded RNA. *Curr. Opin. Cell Biol.* **13**:244-248.
29. **Chen, X., R. R. Gutell, and A. M. Lambowitz.** 2000. Function of tyrosyl-tRNA synthetase in splicing group I introns: an induced-fit model for binding to the P4-P6 domain based on analysis of mutations at the junction of the P4-P6 stacked helices. *J. Mol. Biol.* **301**:265-283.
30. **Cheng, P., Y. Yang, C. Heintzen, and Y. Liu.** 2001. Coiled-coil domain-mediated FRQ-FRQ interaction is essential for its circadian clock function in *Neurospora*. *EMBO J.* **20**:101-108.
31. **Cheng, P., Y. Yang, and Y. Liu.** 2001. Interlocked feedback loops contribute to the robustness of the *Neurospora* circadian clock. *Proc. Natl. Acad. Sci. USA* **98**:7408-7413.
32. **Cogoni, C. and G. Macino.** 2000. Post-transcriptional gene silencing across kingdoms. *Curr. Opin. Genet. Dev.* **10**:638-643.
33. **Collett, M. A., J. C. Dunlap, and J. J. Loros.** 2001. Circadian clock-specific roles for the light response protein WHITE COLLAR-2. *Mol. Cell. Biol.* **21**:2619-2628.
34. **de la Serna, I., T. P. Cujec, Y. Shi, and B. M. Tyler.** 2000. Non-coordinate regulation of 5S rRNA genes and the gene encoding the 5S rRNA-binding ribosomal protein homolog in *Neurospora crassa*. *Mol. Gen. Genet.* **263**:987-994.
35. **De Luca, N. G., P. M. Wood, H. Decker, and N. Terwilliger.** 2000. Iron uptake by fungi: contrasted mechanisms with internal or external reduction. *Adv. Microb. Physiol.* **43**:39-74.
36. **de Pinho, C. A., M. de Lourdes, T. M. Polizeli, J. A. Jorge, and H. F. Terenzi.** 2001. Mobilisation of trehalose in mutants of the cyclic AMP signalling pathway, *cr-1* (CRISP-1) and *mcb* (microcycle conidiation), of *Neurospora crassa*. *FEMS Microbiol. Lett.* **199**:85-89.
37. **Decker, H. and N. Terwilliger.** 2000. Cops and robbers: putative evolution of copper oxygen-binding proteins. *J. Exp. Biol.* **203**:1777-1782.
38. **Degousee, N., G. D. Gupta, R. R. Lew, and I. B. Heath.** 2000. A putative spectrin-containing membrane skeleton in hyphal tips of *Neurospora crassa*. *Fungal Genet. Biol.* **30**:33-44.
39. **Delbecq, P., O. Calvo, R. K. Filipkowski, A. Pierard, and F. Messenguy.** 2000. Functional analysis of the leader peptide of the yeast gene CPA1 and heterologous regulation by other fungal peptides. *Curr. Genet.* **38**:105-112.
40. **Dembowksi, M., K. P. Kuenkele, F. E. Nargang, W. Neupert, and D. Rapaport.** 2001. Assembly of Tom6 and Tom7 into the TOM core complex of *Neurospora crassa*. *J. Biol. Chem.* **276**:17679-17685.
41. **Denault, D. L., J. J. Loros, and J. C. Dunlap.** 2001. WC-2 mediates WC-1-FRQ interaction within the PAS protein-linked circadian feedback loop of *Neurospora*. *EMBO J.* **20**:109-117.
42. **Devlin, P. and S. Kay.** 2001. Circadian photoperception. *Annu. Rev. Physiol.* **63**:677-694.
43. **Dobosy, J. R. and E. U. Selker.** 2001. Emerging connections between DNA methylation and histone acetylation. *Cell. Mol. Life Sci.* **58**:721-727.
44. **Dolan, P. L.** 2000. From genome to proteome: high-throughput analysis of expressed genes in *Neurospora crassa*. Thesis (Ph.D.)--University of New Mexico. 126 pg.
45. **Duarte, M. and A. Videira.** 2000. Respiratory chain complex I is essential for sexual development in *Neurospora* and binding of iron sulfur clusters are required for enzyme assembly. *Genetics* **156**:607-615.
46. **Durkin, S. M.** 2000. Complementation of the *sor-4* gene of *Neurospora crassa*. Thesis (M.S.)--Youngstown State University. 72 pg.
47. **Ebbole, D.** 2000. *Neurospora*: a new (?) model system for microbial genetics. *Trends Genet.* **16**:291-292.
48. **Edwards, J. B.** 1998. The isolation and characterization of a putative p-aminobenzoate biosynthetic gene in *Neurospora crassa*. Thesis (M.Sc.)--Carleton University. 94 pg.
49. **Fagard, M., S. Boutet, J. B. Morel, C. Bellini, and H. Vaucheret.** 2000. AGO1, QDE-2, and RDE-1 are related proteins required for post-transcriptional gene silencing in plants, quelling in fungi, and RNA interference in animals. *Proc. Natl. Acad. Sci. USA* **97**:11650-11654.
50. **Fang, P., Z. Wang, and M. S. Sachs.** 2000. Evolutionarily conserved features of the arginine attenuator peptide provide the necessary requirements for its function in translational regulation. *J. Biol. Chem.* **275**:26710-26719.
51. **Fedoroff, N.** 2000. Transposons and genome evolution in plants. *Proc. Natl. Acad. Sci. USA* **97**:7002-7007.
52. **Feng, B.** 1999. Specific DNA-protein and protein-protein interactions determine the operation of the nitrogen regulatory circuit of *Neurospora crassa*. Thesis (Ph.D.)--The Ohio State University. 180 pg.
53. **Feng, B., H. Haas, and G. A. Marzluf.** 2000. ASD4, a new GATA factor of *Neurospora crassa*, displays sequence-specific DNA binding and functions in ascus and ascospore development. *Biochemistry* **39**:11065-11073.
54. **Fincham, J. R., J. A. Kinsey, A. M. Fuentes, N. J. Cummings, and I. F. Connerton.** 2000. The *Neurospora am* gene and NADP-specific glutamate dehydrogenase: mutational sequence changes and functional effects--more mutants and a summary. *Genet. Res.* **76**:1-10.

55. **Fischer-Parton, S., R. M. Parton, P. C. Hickey, J. Dijksterhuis, H. A. Atkinson, and N. D. Read.** 2000. Confocal microscopy of FM4-64 as a tool for analysing endocytosis and vesicle trafficking in living fungal hyphae. *J. Microsc.* **198**:246-259.
56. **Flinders, J. and T. Dieckmann.** 2001. A pH controlled conformational switch in the cleavage site of the VS ribozyme substrate RNA. *J. Mol. Biol.* **308**:665-679.
57. **Fox, A. N. and J. C. Kennell.** 2001. Association between variant plasmid formation and senescence in retroplasmid-containing strains of *Neurospora spp.* *Curr. Genet.* **39**:92-100.
58. **Friedrich, T., B. Brors, P. Hellwig, L. Kintscher, T. Rasmussen, D. Scheide, U. Schulte, W. Mantele, and H. Weiss.** 2000. Characterization of two novel redox groups in the respiratory NADH:ubiquinone oxidoreductase (complex I). *Biochim. Biophys. Acta* **1459**:305-309.
59. **Fujimura, M., N. Ochiai, A. Ichiiishi, R. Usami, K. Horikoshi, and I. Yamaguchi.** 2000. Fungicide resistance and osmotic stress sensitivity in *os* mutants of *Neurospora crassa*. *Pestic. Biochem. Physiol.* **67**:125-133.
60. **Girvitz, T. L., P. M. Ouimet, and M. Kapoor.** 2000. Heat shock protein 80 of *Neurospora crassa*: sequence analysis of the gene and expression during the asexual phase. *Can. J. Microbiol.* **46**:981-991.
61. **Glass, N. L., D. J. Jacobson, and P. K. T. Shiu.** 2000. The genetics of hyphal fusion and vegetative incompatibility in filamentous ascomycete fungi. *Annu. Rev. Genet.* **34**:165-186.
62. **Gorovits, R., K. A. Sjollema, J. H. Sietsma, and O. Yarden.** 2000. Cellular distribution of COT1 kinase in *Neurospora crassa*. *Fungal Genet. Biol.* **30**:63-70.
63. **Grabe, M., H. Wang, and G. Oster.** 2000. The mechanochemistry of V-ATPase proton pumps. *Biophys. J.* **78**:2798-2813.
64. **Graia, F., O. Lespinet, B. Rimbault, M. Dequard Chablat, E. Coppin, and M. Picard.** 2001. Genome quality control: RIP (repeat-induced point mutation) comes to *Podospora*. *Mol. Microbiol.* **40**:586-595.
65. **Grigg, G. W.** 2000. The origins of the back-mutation assay method: a personal recollection. *Mutat. Res.* **463**:1-12.
66. **Gupta, G. D. and I. B. Heath.** 2000. A tip-high gradient of a putative plasma membrane SNARE approximates the exocytotic gradient in hyphal apices of the fungus *Neurospora crassa*. *Fungal Genet. Biol.* **29**:187-199.
67. **Hall, D., S. M. Bhandarkar, and J. Wang.** 2001. ODS2. A multiplatform software application for creating integrated physical and genetic maps. *Genetics* **157**:1045-1056.
68. **Hamann, A., F. Feller, and H. D. Osiewacz.** 2000. Yeti--a degenerate gypsy-like LTR retrotransposon in the filamentous ascomycete *Podospora anserina*. *Curr. Genet.* **38**:132-140.
69. **Hamer, L., H. Pan, K. Adachi, M. Orbach, A. Page, L. Ramamurthy, and J. Woessner.** 2001. Regions of microsynteny in *Magnaporthe grisea* and *Neurospora crassa*. *Fungal Genet. Biol.* **33**:137-143.
70. **Handa, N., Y. Noguchi, Y. Sakuraba, P. Ballario, G. Macino, N. Fujimoto, C. Ishii, and H. Inoue.** 2000. Characterization of the *Neurospora crassa* *mus-25* mutant: the gene encodes a protein which is homologous to the *Saccharomyces cerevisiae* Rad54 protein. *Mol. Gen. Genet.* **264**:154-163.
71. **Hanke, G., F. Northrop, G. Devine, J. Bothwell, and J. Davies.** 2001. Chloride channel antagonists perturb growth and morphology of *Neurospora crassa*. *FEMS Microbiol. Lett.* **201**:243-247.
72. **Hausmann, A. and G. Sandmann.** 2000. A single five-step desaturase is involved in the carotenoid biosynthesis pathway to beta-carotene and torulene in *Neurospora crassa*. *Fungal Genet. Biol.* **30**:147-153.
73. **Hay, K. M.** 2000. Isoorotate decarboxylase activity present in various strains of Neurospora. Thesis (M.S.)-- Youngstown State University. 86 pg.
74. **Hays, S. and E. U. Selker.** 2000. Making the selectable marker *bar* tighter and more economical. *Fungal Genet. Newslett.* **47**:107.
75. **Heath, I. B., G. Gupta, and S. Bai.** 2000. Plasma membrane-adjacent actin filaments, but not microtubules, are essential for both polarization and hyphal tip morphogenesis in *Saprolegnia ferax* and *Neurospora crassa*. *Fungal Genet. Biol.* **30**:45-62.
76. **Heimpel, S., G. Basset, S. Odoy, and M. Klingenberg.** 2001. Expression of the mitochondrial ADP/ATP carrier in *Escherichia coli*. Renaturation, reconstitution, and the effect of mutations on 10 positive residues. *J. Biol. Chem.* **276**:11499-11506.
77. **Heintzen, C., J. J. Loros, and J. C. Dunlap.** 2001. The PAS protein VIVID defines a clock-associated feedback loop that represses light input, modulates gating, and regulates clock resetting. *Cell* **104**:453-464.
78. **Hirose, K., U. Henningsen, M. Schliwa, C. Toyoshima, T. Shimizu, M. Alonso, R. A. Cross, and L. A. Amos.** 2000. Structural comparison of dimeric Eg5, Neurospora kinesin (Nkin) and Ncd head-Nkin neck chimera with conventional kinesin. *EMBO J.* **19**:5308-5314.
79. **Hoenger, A., M. Thormahlen, R. Diaz-Avalos, M. Doerhoefer, K. N. Goldie, J. Muller, and E. Mandelkow.** 2000. A new look at the microtubule binding patterns of dimeric kinesins. *J. Mol. Biol.* **297**:1087-1103.
80. **Hoyt, M. A., L. J. Williams-Abbott, J. W. Pitkin, and R. H. Davis.** 2000. Cloning and expression of the S-adenosylmethionine decarboxylase gene of *Neurospora crassa* and processing of its product. *Mol. Gen. Genet.* **263**:664-673.
81. **Hsieh, J. and A. Fire.** 2000. Recognition and silencing of repeated DNA. *Annu. Rev. Genet.* **34**:187-204.
82. **Jedd, G. and N. H. Chua.** 2000. A new self-assembled peroxisomal vesicle required for efficient resealing of the plasma membrane. *Nat. Cell. Biol.* **2**:226-231.

83. **Jiang, M. and A. Radford.** 2000. Exploitation of a cellulose-binding domain from *Neurospora crassa*. Enzyme Microb. Technol. **27**:434-442.
84. **Jorge, J. A., E. M. Almeida, M. L. Polizeli, and H. F. Terenzi.** 1999. Changes in N-acetyl galactosaminoglycan deacetylase levels during growth of *Neurospora crassa*: effect of L-sorbose on enzyme production. J. Basic Microbiol. **39**:337-344.
85. **Joseph-Horne, T., D. W. Hollomon, and P. M. Wood.** 2001. Fungal respiration: a fusion of standard and alternative components. Biochim. Biophys. Acta Bioenerg. **1504**:179-195.
86. **Kays, A. M., P. S. Rowley, R. A. Baasiri, and K. A. Borkovich.** 2000. Regulation of conidiation and adenylyl cyclase levels by the Galpha protein GNA-3 in *Neurospora crassa*. Mol. Cell. Biol **20**:7693-7705.
87. **Kelkar, H. S., J. Griffith, M. E. Case, S. F. Covert, R. D. Hall, C. H. Keith, J. S. Oliver, M. J. Orbach, M. S. Sachs, J. R. Wagner, M. J. Weise, J. K. Wunderlich, and J. Arnold.** 2001. The *Neurospora crassa* genome. Cosmid libraries sorted by chromosome. Genetics **157**:979-990.
88. **Kerscher, S. J.** 2000. Diversity and origin of alternative NADH : ubiquinone oxidoreductases. Biochim. Biophys. Acta Bioenerg. **15**:2-3.
89. **Klinga, H.-L. and A. M. Infanger.** 2000. The effect of polyphenolic compounds on UV light killing of *Neurospora crassa* conidia. J. Pa. Acad. Sci. **73**:163.
90. **Ko, T.** 2000. Cloning and characterization of genes involved in the regulation of the alternative oxidase and mitochondrial DNA replication in *Neurospora crassa*. Thesis (M.S.)--Michigan State University. 96 pg.
91. **Kopecek, P. and V. Raclavsky.** 1999. Comparison of chitin content in the apical and distal parts of fungal hyphae in *Basidiobolus ranarum*, *Neurospora crassa* and *Coprinus sterquilinus*. Folia Microbiol. **44**:397-400.
92. **Kouzminova, E. A.** 2000. Isolation and characterization of a DNA-methyltransferase gene, *dim-2*, from *Neurospora crassa*. Thesis (Ph.D)--University of Oregon. 123 pg.
93. **Kouzminova, E. and E. Selker.** 2001. *dim-2* encodes a DNA methyltransferase responsible for all known cytosine methylation in Neurospora. EMBO J. **20**:4309-4323.
94. **Krimmer, T., D. Rapaport, M. T. Ryan, C. Meisinger, C. K. Kassenbrock, E. Blachly-Dyson, M. Forte, M. G. Douglas, W. Neupert, F. E. Nargang, and N. Pfanner.** 2001. Biogenesis of porin of the outer mitochondrial membrane involves an import pathway via receptors and the general import pore of the TOM complex. J. Cell Biol. **152**:289-300.
95. **Kulaev, I. and T. Kulakovskaya.** 2000. Polyphosphate and phosphate pump. Annu. Rev. Microbiol. **54**:709-734.
96. **Kumar, S., I. H. Lee, and M. Plamann.** 2000. Cytoplasmic dynein ATPase activity is regulated by dynactin-dependent phosphorylation. J. Biol. Chem. **275**:31798-31804.
97. **Kumar, S., I. H. Lee, and M. Plamann.** 2000. Two approaches to isolate cytoplasmic dynein ATPase from *Neurospora crassa*. Biochimie **82**:229-236.
98. **Lafontaine, D. A., D. G. Norman, and D. M. Lilley.** 2001. Structure, folding and activity of the VS ribozyme: importance of the 2-3-6 helical junction. EMBO J. **20**:1415-1424.
99. **Lebeau, L., F. Lach, B. C. Venien, A. Renault, J. Dietrich, T. Jahn, M. G. Palmgren, W. Kuehlbrandt, and C. Mioskowski.** 2001. Two-dimensional crystallization of a membrane protein on a detergent-resistant lipid monolayer. J. Mol. Biol. **308**:639-647.
100. **Lee, K., J. J. Loros, and J. C. Dunlap.** 2000. Interconnected feedback loops in the Neurospora circadian system. Science **289**:107-110.
101. **Lee, I., S. Kumar, and M. Plamann.** 2001. Null mutants of the Neurospora actin-related protein 1 pointed-end complex show distinct phenotypes. Mol. Biol. Cell **12**:2195-2206.
102. **Lew, R. R.** 1999. Comparative analysis of Ca²⁺ and H⁺ flux magnitude and location along growing hyphae of *Saprolegnia ferax* and *Neurospora crassa*. Eur. J. Cell Biol. **78**:892-902.
103. **Li, K.** 1999. Microbial syntheses of value-added chemicals from D-glucose. Thesis (Ph.D.)--Michigan State University. 189 pg.
104. **Limozin, L. and B. Denet.** 2000. Quantitative analysis of concentration gradient and ionic currents associated with hyphal tip growth in fungi. Phys. Rev. E. **62**:4067-4076.
105. **Lledias, F. and W. Hansberg.** 2000. Catalase modification as a marker for singlet oxygen. Methods Enzymol. **319**:110-119.
106. **Loros, J. and J. Dunlap.** 2001. Genetic and molecular analysis of circadian rhythms in Neurospora. Annu. Rev. Physiol. **63**:757-794.
107. **Loubadou, G. and B. Turcq.** 2000. Vegetative incompatibility in filamentous fungi: a roundabout way of understanding the phenomenon. Res. Microbiol. **151**:239-245.
108. **Loudon, A. S. I., A. G. Semikhodskii, and S. K. Crosthwaite.** 2000. A brief history of circadian time. Trends Genet. **16**:477-481.
109. **Love, S. E. G.** 2000. Characterization and genetic analysis of three mutants of *Neurospora crassa*. Thesis (M.S.)--Georgia Southern University. 103 pg.
110. **Luo, C.** 1999. Study of the molecular mechanism of the Neurospora circadian clock. Thesis (Ph.D.)--Dartmouth College. 176 pg.
111. **Mackay, J. P., J. M. Matthews, R. D. Winefield, L. G. Mackay, R. G. Haverkamp, and M. D. Templeton.** 2001. The hydrophobin EAS is largely unstructured in solution and functions by forming amyloid-like structures. Structure **9**:83-91.

112. **Maguire, J. L.** 1999. The development and use of cobalt hexammine as a tool to study the tertiary structure of the *Neurospora* VS ribozyme. Thesis (M.Sc.)--University of Toronto. 139 pg.
113. **Maguire, J. L. and R. A. Collins.** 2001. Effects of cobalt hexamine on folding and self-cleavage of the *Neurospora* VS ribozyme. *J. Mol. Biol.* **309**:45-56.
114. **Maine, E. M.** 2000. A conserved mechanism for post-transcriptional gene silencing? *Genome Biol.* **1**:REVIEWS1018.
115. **Margolis Clark, E., I. Hunt, S. Espinosa, and B. J. Bowman.** 2001. Identification of the gene at the *pmg* locus, encoding system II, the general amino acid transporter in *Neurospora crassa*. *Fungal Genet. Biol.* **33**:127-135.
116. **Marshall, E. M.** 1999. Measurement of iso-orotate decarboxylase activity in *Neurospora crassa*. Thesis (M.S.)--Youngstown State University. 82 pg.
117. **Marx, J.** 2000. Interfering with gene expression. *Science* **288**:1370-1372.
118. **McCluskey, K.** 2000. Long term viability of *Neurospora crassa* at the FGSC. *Fungal Genet. Newslett.* **47**:110.
119. **Melo, A. M. P., M. Duarte, I. M. Mollero, H. Prokisch, P. L. Dolan, L. Pinto, and M. A. Nelson.** 2001. The external calcium-dependent NADPH dehydrogenase from *Neurospora crassa* mitochondria. *J. Biol. Chem.* **276**:3947-3951.
120. **Meng, X. W.** 1999. Apoptosis and the involvement of endo-exonuclease. Thesis (Ph.D.)--University of New South Wales. 215 pg.
121. **Merrow, M., L. Franchi, Z. Dragovic, M. Gorl, J. Johnson, M. Brunner, G. Macino, and T. Roenneberg.** 2001. Circadian regulation of the light input pathway in *Neurospora crassa*. *EMBO J.* **20**:307-315.
122. **Merrow, M., T. Roenneberg, G. Macino, and L. Franchi.** 2001. A fungus among us: the *Neurospora crassa* circadian system. *Semin. Cell Dev. Biol.* **12**:279-285.
123. **Metzenberg, R. L., D. J. Jacobson, and H. Bertrand.** 2000. Making the selective agent for the Bar plasmids, phosphoinothricin (glufosinate) affordable for routine use. *Fungal Genet. Newslett.* **47**:79-80.
124. **Metzenberg, R. L. and M. J. Orbach.** 2000. A minichromosome of LGVI from crossing two quasi-terminal reciprocal translocations. *Fungal Genet. Newslett.* **47**:108.
125. **Miao, V. P., M. Freitag, and E. U. Selker.** 2000. Short TpA-rich segments of the zeta-eta region induce DNA methylation in *Neurospora crassa*. *J. Mol. Biol.* **300**:249-273.
126. **Micelli, S., E. Gallucci, and V. Picciarelli.** 2000. Studies of mitochondrial porin incorporation parameters and voltage-gated mechanism with different black lipid membranes. *Bioelectrochemistry* **52**:63-75.
127. **Michiels, P. J., C. H. Schouten, C. W. Hilbers, and H. A. Heus.** 2000. Structure of the ribozyme substrate hairpin of *Neurospora* VS RNA: a close look at the cleavage site. *RNA* **6**:1821-1832.
128. **Minke, P. F., I. H. Lee, J. H. Tinsley, and M. Plamann.** 2000. A *Neurospora crassa* Arp1 mutation affecting cytoplasmic dynein and dynactin localization. *Mol. Gen. Genet.* **264**:433-440.
129. **Mohr, G., R. Rennard, A. D. Cherniack, J. Stryker, and A. M. Lambowitz.** 2001. Function of the *Neurospora crassa* mitochondrial tyrosyl-tRNA synthetase in RNA splicing. Role of the idiosyncratic N-terminal extension and different modes of interaction with different group I introns. *J. Mol. Biol.* **307**:75-92.
130. **Morales, A. C., S. R. Nozawa, G. Thedei, Jr., W. Maccheroni, Jr. and A. Rossi.** 2000. Properties of a constitutive alkaline phosphatase from strain 74A of the mold *Neurospora crassa*. *Braz. J. Med. Biol. Res.* **33**:905-912.
131. **Morel, J. B. and H. Vaucheret.** 2000. Post-transcriptional gene silencing mutants. *Plant Mol. Biol.* **43**:275-284.
132. **Mozmader, T. I. M. A., R. Parvin, and A. Howlader.** 2000. Growth of *Neurospora crassa* (Ema 5297) in biotin-free Vogel's minimal medium supplemented with coconut water. *Bangladesh J. Bot.* **29**:67-69.
133. **Nagasawa, S., T. Shimokawa, M. Masutani, T. Nozaki, K. Wakabayashi, H. Nakagama, and T. Sugimura.** 2000. Phylogenetic distribution of poly(ADP-ribose) glycohydrolase and poly(ADP-ribose)-digesting phosphodiesterase. *Proc. Jpn. Acad. Ser. B Phys. Biol. Sci.* **76**:41-44.
134. **Navaraj, A., A. Pandit, and R. Maheshwari.** 2000. Senescent: a new *Neurospora crassa* nuclear gene mutant derived from nature exhibits mitochondrial abnormalities and a "death" phenotype. *Fungal Genet. Biol.* **29**:165-173.
135. **Noubissi, F. K., K. McCluskey, and D. P. Kasbekar.** 2000. Repeat-Induced Point mutation (RIP) in crosses with wild-isolated strains of *Neurospora crassa*: evidence for dominant reduction of RIP. *Fungal Genet. Biol.* **31**:91-97.
136. **Nozawa, S. R., J. Thedei, G., C. H. Pellizzon, and A. Rossi.** 2000. The *preg^c* strain of *N. crassa* has abnormal vesicles when grown on both low- and high-Pi media. *Fungal Genet. Newslett.* **47**:104-105.
137. **Ochiai, N., M. Fujimura, T. Motoyama, A. Ichiishi, R. Usami, K. Horikoshi, and I. Yamaguchi.** 2001. Characterization of mutations in the two-component histidine kinase gene that confer fludioxonil resistance and osmotic sensitivity in the *os-1* mutants of *Neurospora crassa*. *Pest. Manag. Sci.* **57**:437-442.
138. **Ogura, Y., Y. Yoshida, N. Yabe, and K. Hasunuma.** 2001. A point mutation in nucleoside diphosphate kinase results in a deficient light response for perithecial polarity in *Neurospora crassa*. *J. Biol. Chem.* **276**:21228-21234.
139. **Osherov, N. and G. S. May.** 2001. The molecular mechanisms of conidial germination. *FEMS Microbiol. Lett.* **199**:153-160.
140. **Osiewacz, H. D. and E. Kimpel.** 1999. Mitochondrial-nuclear interactions and lifespan control in fungi. *Exp. Gerontol.* **34**:901-909.
141. **Ouimet, P. M.** 1998. Molecular genetic and biochemical characterization of *Neurospora crassa* heat shock proteins 70 and 80. Thesis (Ph.D.)--University of Calgary. 264 pg.

142. **Palmier, C.** 1999. Purification and characterization of the two arginases of *Neurospora crassa*. Thesis (Ph.D.)--University of California, Los Angeles. 219 pg.
143. **Pandit, A., P. S. Dubey, and S. Mall.** 2000. Sexual reproduction of yellow ecotype of *Neurospora intermedia* in nature. *Fungal Genet. Newslett.* **47**:81-82.
144. **Pando, M. P. and P. Sassone-Corsi.** 2001. Molecular clocks. A vivid loop of light. *Nature* **410**:311-313.
145. **Park, I. K. and J. Y. Kim.** 2001. NAD(+) inhibits the self-splicing of the group I intron. *Biochem. Biophys. Res. Comm.* Feb **281**:206-211.
146. **Pazirandeh, M. and J. M. Mauro.** 2001. Production and cellular localization of functional oligomeric peptides in *E. coli*: expression of the *N. crassa* polymetallothionein. *Colloids Surf. A Physicochem Eng. Aspects* **177**:197-202.
147. **Pennisi, E.** 2001. Genomics. New genomes shed light on complex cells. *Science* **292**:1280-1281.
148. **Perkins, D. D. and R. H. Davis.** 2000. Neurospora at the millennium. *Fungal Genet. Biol.* **31**:153-167.
149. **Perkins, D. D. and R. H. Davis.** 2000. Evidence for safety of *Neurospora* species for academic and commercial uses. *Appl. Environ. Microbiol.* **66**:5107-5109.
150. **Perkins, D. D.** 2000. Neurospora genetics at turn of the century. *Fungal Genet. Newslett.* **47**:83-88.
151. **Perkins, G. A., C. W. Renken, I. J. van der Klei, M. H. Ellisman, W. Neupert, and T. G. Frey.** 2001. Electron tomography of mitochondria after the arrest of protein import associated with Tom19 depletion. *Eur. J. Cell Biol.* **80**:139-150.
152. **Perkins, D. D., A. Radford, and M. S. Sachs.** 2001. The *Neurospora* compendium : chromosomal loci. Academic Press. 325 pg.
153. **Pinheiro, T. R., R. A. Yunes, S. N. Lopez, C. B. Santecchia, S. A. S. Zacchino, and V. Cechinel.** 1999. In vitro antifungal evaluation and studies on the mode of action of xanthoxyline derivatives. *Arzneimittel Forschung Drug Res.* **49**:1039-1043.
154. **Pitchaimani, K. and R. Maheshwari.** 2000. Phenotypic lag in macroconidia of *N. crassa his-3⁺* transformants and its implication in estimation of nuclear ratios. *Fungal Genet. Newslett.* **47**:89-91.
155. **Pitchaimani, K., S. Sultan, and R. Maheshwari.** 2000. Increase in germination and plating efficiency of *Neurospora crassa* microconidia by amino acid supplementation. *Fungal Genet. Newslett.* **47**:92-93.
156. **Plasterk, R. H. A. and R. F. Ketting.** 2000. The silence of the genes. *Curr. Opin. Genet. Dev.* **10**:562-567.
157. **Powell, A. J., D. J. Jacobson, and D. O. Natvig.** 2001. Allelic diversity at the *het-c* Locus in *Neurospora tetrasperma* confirms outcrossing in nature and reveals an evolutionary dilemma for pseudohomothallic ascomycetes. *J. Mol. Evol.* **52**:94-102.
158. **Prokisch, H., W. Neupert, and B. Westermann.** 2000. Role of MMM1 in maintaining mitochondrial morphology in *Neurospora crassa*. *Mol. Biol. Cell* **11**:2961-2971.
159. **Propheta, O., J. Vierula, P. Toporowski, R. Gorovits, and O. Yarden.** 2001. The *Neurospora crassa* colonial temperature-sensitive 3 (*cot-3*) gene encodes protein elongation factor 2. *Mol. Gen. Genet.* **264**:894-901.
160. **Raju, N. B. and D. D. Perkins.** 2000. Programmed ascospore death in the homothallic ascomycete *Coniochaeta tetraspora*. *Fungal Genet. Biol.* **30**:213-221.
161. **Ramsdale, M. and P. L. Lakin-Thomas.** 2000. *sn*-1,2-diacylglycerol levels in the fungus *Neurospora crassa* display circadian rhythmicity. *J. Biol. Chem.* **275**:27541-27550.
162. **Ramsdale, M.** 2001. Fungi with a sense of time: molecular genetics of temporal organization in *Neurospora crassa*. *Mycologist* **15**:10-15.
163. **Rapaport, D., R. Taylor, M. Kaser, T. Langer, W. Neupert, and F. Nargang.** 2001. Structural requirements of Tom40 for assembly into preexisting TOM complexes of mitochondria. *Mol. Biol. Cell* **12**:1189-1198.
164. **Rasmussen, T., D. Scheide, B. Brors, L. Kintscher, H. Weiss, and T. Friedrich.** 2001. Identification of two tetranuclear FeS clusters on the ferredoxin-type subunit of NADH:ubiquinone oxidoreductase (complex I). *Biochemistry* **40**:6124-6131.
165. **Rastogi, T.** 1998. Identification of functional domains and tertiary interactions in the *Neurospora* VS ribozyme. Thesis (Ph.D.)--University of Toronto. 155 pg.
166. **Rensing, L., G.-U. Meyer, and P. Ruoff.** 2001. Biological timing and the clock metaphor: oscillatory and hourglass mechanisms. *Chronobiol. Int.* **18**:329-369.
167. **Riquelme, M., G. Gierz, and S. Bartnicki-Garcia.** 2000. Dynein and dynactin deficiencies affect the formation and function of the Spitzenkorper and distort hyphal morphogenesis of *Neurospora crassa*. *Microbiology* **146**:1743-1752.
168. **Riquelme, M.** 2000. The role of the Spitzenkoerper in fungal growth and morphogenesis (*Neurospora crassa*). Thesis (Ph.D.)--University of California, Riverside. 175 pg.
169. **Roenneberg, T. and M. Merrow.** 1999. Circadian systems and metabolism. *J. Biol. Rhythms* **14**:449-459.
170. **Rostovtseva, T. K., T. T. Liu, M. Colombini, V. A. Parsegian, and S. M. Bezrukov.** 2000. Positive cooperativity without domains or subunits in a monomeric membrane channel. *Proc. Natl. Acad. Sci. USA* **97**:7819-7822.
171. **Runke, G., E. Maier, N.-J. D. O, R. Benz, and D. A. Court.** 2000. Functional characterization of the conserved "GLK" motif in mitochondrial porin from *Neurospora crassa*. *J. Bioenerg. Biomembr.* **32**:563-570.
172. **Runke, G. S.** 2000. Functional and structural studies of mitochondrial porin. Thesis (M.Sc.)-University of Manitoba. 115 pg.
173. **Ruoff, P., A. Behzadi, M. Hauglid, M. Vinsjevik, and H. Havas.** 2000. pH homeostasis of the circadian sporulation rhythm in clock mutants of *Neurospora crassa*. *Chronobiol. Int.* **17**:733-750.
174. **Ruoff, P., M. Vinsjevik, C. Monnerjahn, and L. Rensing.** 2001. The Goodwin model: simulating the effect of light pulses on the circadian sporulation rhythm of *Neurospora crassa*. *J. Theor. Biol.* **209**:29-42.

175. **Sachs, M.S., M. David, S. Werner, and U.L. RajBhandary.** 2001. Nuclear genes for cytochrome c oxidase subunits of *Neurospora crassa*. Isolation and characterization of cDNA clones for subunits IV, V, VI, and possibly VII. *J. Biol. Chem.* **261**:869-873.
176. **Sakuraba, Y., A. L. Schroeder, C. Ishii, and H. Inoue.** 2000. A *Neurospora* double-strand-break repair gene, *mus-11*, encodes a RAD52 homologue and is inducible by mutagens. *Mol. Gen. Genet.* **264**:392-401.
177. **Saupe, S. J.** 2000. Molecular genetics of heterokaryon incompatibility in filamentous ascomycetes. *Microbiol. Mol. Biol. Rev.* **64**:489-502.
178. **Saupe, S. J., C. Clave, M. Sabourin, and J. Begueret.** 2000. Characterization of *hch*, the *Podospora anserina* homolog of the *het-c* heterokaryon incompatibility gene of *Neurospora crassa*. *Curr. Genet.* **38**:39-47.
179. **Saupe, S. J., C. Clave, and J. Begueret.** 2000. Vegetative incompatibility in filamentous fungi: *Podospora* and *Neurospora* provide some clues. *Curr. Opin. Microbiol.* **3**:608-612.
180. **Scarborough, G. A.** 2000. The plasma membrane proton-translocating ATPase. *Cell. Mol. Life Sci.* **57**:871-883.
181. **Scazzocchio, C.** 2000. The fungal GATA factors. *Curr. Opin. Microbiol.* **3**:126-131.
182. **Schmidhauser, T. J.** 2000. Order of the *aro-6* and *cpl-1* loci on linkage group VI of *Neurospora*. *Fungal Genet. Newslett.* **47**:111.
183. **Schwerdtfeger, C. and H. Linden.** 2001. Blue light adaptation and desensitization of light signal transduction in *Neurospora crassa*. *Mol. Microbiol.* **39**:1080-1087.
184. **Seiler, S., J. Kirchner, C. Horn, A. Kallipolitou, G. Woehlke, and M. Schliwa.** 2000. Cargo binding and regulatory sites in the tail of fungal conventional kinesin. *Nat. Cell Biol.* **2**:333-338.
185. **Senczuk, A. M.** 1999. Peroxidases of *Neurospora*: Purification and some properties of the heat-inducible and constitutive enzyme. Thesis (M.Sc.)--University of Calgary. 111 pg.
186. **Shaw, J. and S. Brody.** 2000. Circadian rhythms in *Neurospora*: a new measurement, the reset zone. *J. Biol. Rhythms* **15**:225-240.
187. **Shippy, R., R. Lockner, M. Farnsworth, and A. Hampel.** 1999. The Hairpin Ribozyme: discovery, mechanism, and development for gene therapy. *Mol. Biotechnol.* **12**:117-129.
188. **Shrode, L. B., Z. A. Lewis, L. D. White, P. D. Bell, and D. J. Ebbole.** 2001. *vvd* is required for light adaptation of conidiation-specific genes of *Neurospora crassa*, but not circadian conidiation. *Fungal Genet. Biol.* **32**:169-181.
189. **Silva Pereira, C., A. Pires, M. J. Valle, L. Vilas Boas, J. J. Figueiredo Marques, and M. V. San Romao.** 2000. Role of *Chrysonilia sitophila* in the quality of cork stoppers for sealing wine bottles. *J. Ind. Microbiol. Biotechnol.* **24**:256-261.
190. **Silverman Gavrila, L. B.** 1999. Calcium and tip growth in the filamentous fungus *Neurospora crassa*. Thesis (M.Sc.)--York University. 109 pg.
191. **Silverman Gavrila, L. and R. Lew.** 2001. Regulation of the tip-high $[Ca^{2+}]$ gradient in growing hyphae of the fungus *Neurospora crassa*. *Eur J. Cell Biol.* **80**:379-390.
192. **Silverman-Gavrila, L. B. and R. R. Lew.** 2000. Calcium and tip growth in *Neurospora crassa*. *Protoplasma* **213**:203-217.
193. **Singh, M., H. S. Chaube, and R. P. Singh.** 2000. P.R. Verma Ph.D. student award: Effect of fluorescent pseudomonads on primordia formation, yield and control of pathogenic fungi of *Agaricus bisporus* (Lange) imbach. *J. Mycol. Plant Pathol.* **30**:313-326.
194. **Smiley, J. A. and D. K. Asch.** 2000. Identification of a gene encoding GMP synthetase from a *Neurospora crassa* cDNA library by bacterial complementation. *Fungal Genet. Newslett.* **47**:94-95.
195. **Smith, M. L., O. C. Micali, S. P. Hubbard, N. Mir-Rashed, D. J. Jacobson, and N. L. Glass.** 2000. Vegetative incompatibility in the *het-6* region of *Neurospora crassa* is mediated by two linked genes. *Genetics* **155**:1095-1104.
196. **Sodir, N. M.** 2000. The search for an active Pogo in *Neurospora crassa*. Thesis (M.S.)--California State University, Northridge. 44 pg.
197. **Solscheid, B. and M. Tropschug.** 2000. A novel type of FKBP in the secretory pathway of *Neurospora crassa*. *FEBS Lett.* **480**:118-122.
198. **Soupene, E., R. Ramirez, and S. Kustu.** 2001. Evidence that fungal MEP proteins mediate diffusion of the uncharged species NH(3) across the cytoplasmic membrane. *Mol. Cell. Biol.* **21**:5733-5741.
199. **Stan, T., U. Ahting, M. DEMBOWSKI, K. P. Kunkele, S. Nussberger, W. Neupert, and D. Rapaport.** 2000. Recognition of preproteins by the isolated TOM complex of mitochondria. *EMBO J.* **19**:4895-4902.
200. **Stokes, T.** 2000. Post-transcriptional gene silencing: conservation and sequences. *Trends Plant Sci.* **5**:514.
201. **Tanaka, K., K. Tazuya, K. Yamada, and H. Kumaoka.** 2000. Biosynthesis of pyridoxine: origin of the nitrogen atom of pyridoxine in microorganisms. *J. Nutr. Sci. Vitaminol.* **46**:55-57.
202. **Tanrikulu, M.** 2000. Characterization of *un-17*, *chol-3* and *chol-4*, phospholipid biosynthetic mutants of *Neurospora crassa*. *Fungal Genet. Newslett.* **47**:96-98.
203. **Tenney, K., I. Hunt, J. Sweigard, J. I. Pounder, C. McClain, E. J. Bowman, and B. J. Bowman.** 2000. *hex-1*, a gene unique to filamentous fungi, encodes the major protein of the Woronin body and functions as a plug for septal pores. *Fungal Genet. Biol.* **31**:205-217.
204. **Tiburu, E. K.** 2000. A study of *Neurospora crassa* intracellular sordariol dehydrogenase. Thesis (M.S.)--Indiana University of Pennsylvania. 63 pg.

205. **Tierens, K. F. M. J., B. P. H. J. Thomma, M. Brouwer, J. Schmidt, K. Kistner, A. Porzel, M. B. Mauch, B. P. A. Cammue, and W. F. Broekaert.** 2001. Study of the role of antimicrobial glucosinolate-derived isothiocyanates in resistance of *Arabidopsis* to microbial pathogens. *Plant Physiol.* **125**:1688-1699.
206. **Tjoelker, L. W., L. Gosting, S. Frey, C. L. Hunter, H. L. Trong, B. Steiner, H. Brammer, and P. W. Gray.** 2000. Structural and functional definition of the human chitinase chitin-binding domain. *J. Biol. Chem.* **275**:514-520.
207. **Turgeon, G. and O. C. Yoder.** 2000. Proposed nomenclature for mating type genes of filamentous ascomycetes. *Fungal Genet. Biol.* **31**:1-5.
208. **Turner, B.** 2001. Geographic distribution of *Neurospora* spore killer strains and strains resistant to killing. *Fungal Genet. Biol.* **32**:93-104.
209. **Turner, B., D. Perkins, and A. Fairfield.** 2001. *Neurospora* from natural populations: a global study. *Fungal Genet. Biol.* **32**:67-92.
210. **Umbach, A. L. and J. N. Siedow.** 2000. The cyanide-resistant alternative oxidases from the fungi *Pichia stipitis* and *Neurospora crassa* are monomeric and lack regulatory features of the plant enzyme. *Arch. Biochem. Biophys.* **378**:234-245.
211. **Varela, E., A. T. Martinez, and M. J. Martinez.** 2000. Southern blot screening for lignin peroxidase and aryl-alcohol oxidase genes in 30 fungal species. *J. Biotechnol.* **83**:245-251.
212. **Vissi, E., J. Clotet, E. de Nadal, A. Barcelo, E. Bako, P. Gergely, V. Dombradi, and J. Arino.** 2001. Functional analysis of the *Neurospora crassa* PZL-1 protein phosphatase by expression in budding and fission yeast. *Yeast* **18**:115-124.
213. **Vizioli, J., A. Richman, J. Uttenweiler, C. Blass, and P. Bulet.** 2001. The defensin peptide of the malaria vector mosquito *Anopheles gambiae*: antimicrobial activities and expression in adult mosquitoes. *Insect Biochem. Mol. Biol.* **31**:241-248.
214. **von Ahsen, O., J. H. Lim, P. Caspers, F. Martin, H. J. Schonfeld, J. Rassow, and N. Pfanner.** 2000. Cyclophilin-promoted folding of mouse dihydrofolate reductase does not include the slow conversion of the late-folding intermediate to the active enzyme. *J. Mol. Biol.* **297**:809-818.
215. **Wagh, S., A. Ramaiah, R. Subramanian, and R. Govindarajan.** 2000. Melanosomal proteins promote melanin polymerization. *Pigment Cell Res.* **13**:442-448.
216. **Wang, Z.** 2000. The evolutionarily conserved arginine attenuator peptide regulates the movement of ribosomes that have translated it. Thesis (Ph.D.)--Oregon Graduate Institute of Science and Technology. 191 pg.
217. **Watters, M. K., C. Humphries, I. De Vries, and A. J. F. Griffiths.** 2000. A homeostatic set point for branching in *Neurospora crassa*. *Mycol. Res.* **5**:557-563.
218. **Watters, M. K., A. Virag, J. Haynes, and A. J. F. Griffiths.** 2000. Branch initiation in *Neurospora* is influenced by events at the previous branch. *Mycol. Res.* **7**:805-809.
219. **Watters, M. K. and A. J. Griffiths.** 2001. Tests of a cellular model for constant branch distribution in the filamentous fungus *Neurospora crassa*. *Appl. Environ. Microbiol.* **67**:1788-1792.
220. **Webb, A. E., M. A. Rose, E. Westhof, and K. M. Weeks.** 2001. Protein-dependent transition states for ribonucleoprotein assembly. *J. Mol. Biol.* **309**:1087-1100.
221. **Wilmut, S. W.** 1999. Studies of an unusual amino acid transporter involved in arginine metabolism of *Neurospora crassa*. Thesis (Ph.D.)--University of California, Los Angeles. 199 pg.
222. **Wu, J. D.** 2000. Non-self recognition in filamentous fungi: the *het-c* mediated vegetative incompatibility in *Neurospora crassa*. Thesis (Ph.D.)--University of British Columbia. 225 pg.
223. **Wu, J. and N. L. Glass.** 2001. Identification of specificity determinants and generation of alleles with novel specificity at the *het-c* heterokaryon incompatibility locus of *Neurospora crassa*. *Mol. Cell. Biol.* **21**:1045-1057.
224. **Xu, X., J. G. Forbes, and M. Colombini.** 2001. Actin modulates the gating of *Neurospora crassa* VDAC. *J. Membr. Biol.* **180**:73-81.
225. **Yang, S., I. Turitsa, and A. Griffiths.** 1999. Divergence of a linear and a circular plasmid in disjunct natural isolates of the fungus *Neurospora*. *Plasmid* **42**:115-125.
226. **Yang, Q., J. A. Bieszke, and K. A. Borkovich.** 2000. Differential complementation of a *Neurospora crassa* Galpha(i) mutation using mammalian Galpha protein genes. *Mol. Gen. Genet.* **263**:712-721.
227. **Yanovsky, M. J., M. A. Mazzella, and J. J. Casal.** 2000. A quadruple photoreceptor mutant still keeps track of time. *Curr. Biol.* **10**:1013-1015.
228. **Yoon, J. H., C. S. Lee, T. R. O'Connor, A. Yasui, and G. P. Pfeifer.** 2000. The DNA damage spectrum produced by simulated sunlight. *J. Mol. Biol.* **299**:681-693.
229. **Young, M. W.** 2000. Circadian rhythms: Marking time for a kingdom. *Science*. **288**:451-453.
230. **Zhou, Y., E. Cambareri, and J. Kinsey.** 2001. DNA methylation inhibits expression and transposition of the *Neurospora* Tad retrotransposon. *Mol. Genet. Genomics.* **265**:748-754.
231. **Zhu, H., M. Nowrouzian, D. Kupfer, H. V. Colot, G. Berrocal-Tito, H. Lai, D. Bell-Pedersen, B. A. Roe, J. J. Loros, and J. C. Dunlap.** 2001. Analysis of expressed sequence tags from two starvation, time-of-day-specific libraries of *Neurospora crassa* reveals novel clock-controlled genes. *Genetics* **157**:1057-1065.
232. **Zordan, M., R. Costa, G. Macino, C. Fukuhara, and G. Tosini.** 2000. Circadian clocks: What makes them tick? *Chronobiol. Int.* **17**:433-451.

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