

Neurospora Bibliography

This bibliography represents my attempt to collect all works dealing substantially with *Neurospora*. Please let me know of anything published in 2005 or 2006 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.

Craig Wilson, 15236 Ashworth Ave. N., Shoreline WA 98133, USA (chwilson@blarg.net)

[Coauthor index](#)

1. **Abe, A., Elegado, E.B., and Sone, T.** 2006. Construction of pDEST_R, a GATEWAY vector for gene disruption in filamentous fungi. *Curr. Microbiol.* **52**:210-215.
2. **Adebolu, T.T.** 2005. Survey of the microbial flora of a hospital environment in South-Western Nigeria. *J. Food Agric. Environ.* **3**:11-12.
3. **Aderiye, B.I., Laleye, S.A., and Akinduro, H.A.** 2006. Spoilage of some stored fermented foods in South West Nigeria. *J. Biol. Sci.* **6**:659-663.
4. **Adhvaryu, K.K., Morris, S.A., Strahl, B.D., and Selker, E.U.** 2005. Methylation of histone H3 lysine 36 is required for normal development in *Neurospora crassa*. *Eukaryot. Cell* **4**:1455-1464.
5. **Akar, T., Demir, T.A., Kiran, I., Ozcan, A., Ozcan, A.S., and Tunali, S.** 2006. Biosorption potential of *Neurospora crassa* cells for decolorization of Acid Red 57 (AR57) dye. *J. Chem. Technol. Biotechnol.* **81**:1100-1106.
6. **Allshire, R., and Selker, E.U.** 2007. Fungal models for epigenetic research: *Schizosaccharomyces pombe* and *Neurospora crassa*. In *Epigenetics*. Allis, C.D., Jenuwein, T., Reinberg, D. and Caparros, M.-L. (eds):Cold Spring Harbor Laboratory Press, 502 pg.
7. **Arora, D.K. and Berka, R.M.** 2005. *Genes and genomics*. San Diego:Elsevier. 444 pg.
8. **Axhemi, A.A.** 2005. Isolation and characterization of thymine-7-hydroxylase from *Rhodotorula glutinis* and isoorotate decarboxylase from *Neurospora crassa*. Thesis (M.S.)-- Youngstown State University, pp. 53, 4 leaves.
9. **Barker, D., and Pagel, M.** 2005. Predicting functional gene links from phylogenetic-statistical analyses of whole genomes. *PLoS Comput. Biol.* **1**:24-31.
10. **Bartnicki-Garcia, S.** 2006. Chitosomes: past, present and future. *FEMS Yeast Res.* **6**:957-965.
11. **Bathe, F.** 2005. Influence of neck and hinge regions on the mechanism of conventional kinesins. Thesis (Ph. D.)-- Universitat Witten/Herdecke.
12. **Belozerskaya, T.A., and Gessler, N.N.** 2006. Oxidative stress and differentiation in *Neurospora crassa*. *Microbiology* **75**:427-431.
13. **Beyenbach, K.W., and Wiczorek, H.** 2006. The V-type H⁺ ATPase: molecular structure and function, physiological roles and regulation. *J. Exper. Biol.* **209**:577-589.
14. **Bohn, A., Lopes, J.R., Diambra, L.A., and Menna-Barreto, L.S.** 2006. Delay model of circadian gene expression with two negative feedback loops. *Biol. Rhythm Res.* **37**:405-417.
15. **Bowman, E.J., and Bowman, B.J.** 2005. V-ATPases as drug targets. *J. Bioenerg. Biomembr.* **37**:431-435.

16. **Bowman, B.J., McCall, M.E., Baertsch, R., and Bowman, E.J.** 2006. A model for the proteolipid ring and bafilomycin/concanamycin-binding site in the vacuolar ATPase of *Neurospora crassa*. *J. Biol. Chem.* **281**:31885-31893.
17. **Bowman, S.M.** 2006. Characterization of the *Neurospora crassa* cell wall and glycosylphosphatidylinositol (GPI)-anchor biosynthetic pathways. Thesis (Ph. D.)--State University of New York at Buffalo, 165 pg.
18. **Bowman, S.M., and Free, S.J.** 2006. The structure and synthesis of the fungal cell wall. *Bioessays* **28**:799-808.
19. **Bowman, S.M., Piwowar, A., Al Dabbous, M., Vierula, J., and Free, S.J.** 2006. Mutational analysis of the glycosylphosphatidylinositol (GPI) anchor pathway demonstrates that GPI-anchored proteins are required for cell wall biogenesis and normal hyphal growth in *Neurospora crassa*. *Eukaryot. Cell* **5**:587-600.
20. **Bowring, F.J., Yeadon, P.J., Stainer, R.G., and Catchside, D.E.** 2006. Chromosome pairing and meiotic recombination in *Neurospora crassa* *spoil* mutants. *Curr. Genet.* **50**:115-123.
21. **Bratsun, D., Volfson, D., Tsimring, L.S., and Hasty, J.** 2005. Delay-induced stochastic oscillations in gene regulation. *Proc. Natl. Acad. Sci. USA.* **102**:14593-14598.
22. **Brown, L.S., and Jung, K.H.** 2006. Bacteriorhodopsin-like proteins of eubacteria and fungi:the extent of conservation of the haloarchaeal proton-pumping mechanism. *Photochem. Photobiol. Sci.* **5**:538-546.
23. **Brunner, M., and Diernfellner, A.** 2006. How temperature affects the circadian clock of *Neurospora crassa*. *Chronobiol. Int.* **23**:81-90.
24. **Brunner, M., and Schafmeier, T.** 2006. Transcriptional and post-transcriptional regulation of the circadian clock of cyanobacteria and *Neurospora*. *Genes Dev.* **20**:1061-1074.
25. **Buchon, N., and Vaury, C.** 2006. RNAi: a defensive RNA-silencing against viruses and transposable elements. *Heredity* **96**:195-202.
26. **Burnie, J.P., Carter, T.L., Hodgetts, S.J., and Matthews, R.C.** 2006. Fungal heat-shock proteins in human disease. *FEMS Microbiol. Rev.* **30**:53-88.
27. **Busoni, L., Dupont, A., Symonds, C., Prost, J., and Cappello, G.** 2006. Short time investigation of the *Neurospora* kinesin step. *J. Phys. Condens. Matter* **18**:S1957-S1966.
28. **Cai, J.J., Woo, P.C.Y., Lau, S.K.P., Smith, D.K., and Yuen, K.-y.** 2006. Accelerated evolutionary rate may be responsible for the emergence of lineage-specific genes in Ascomycota. *J. Mol. Evol.* **63**:1-11.
29. **Cai, L., Jeewon, R., and Hyde, K.D.** 2006. Phylogenetic investigations of Sordariaceae based on multiple gene sequences and morphology. *Mycol. Res.* **110**:137-150.
30. **Campbell, D.O., Bouchard, P., Desjardins, G., and Legault, P.** 2006. NMR structure of Varkud satellite ribozyme stem-loop V in the presence of magnesium ions and localization of metal-binding sites. *Biochemistry* **45**:10591-10605.
31. **Casas-Flores, S., Rios-Momberg, M., Rosales-Saavedra, T., Martinez-Hernandez, P., Olmedo-Monfil, V., and Herrera-Estrella, A.** 2006. Cross talk between a fungal blue-light perception system and the cyclic AMP signaling pathway. *Eukaryot. Cell* **5**:499-506.
32. **Catalanotto, C., Nolan, T., and Cogoni, C.** 2006. Homology effects in *Neurospora crassa*. *FEMS Microbiol. Lett.* **254**:182-189.
33. **Cerutti, H., and Casas-Mollano, J.A.** 2006. On the origin and functions of RNA-mediated silencing:from protists

to man. *Curr. Genet.* **50**:81-99.

34. **Ceulemans, H., Beke, L., and Bollen, M.** 2006. Approaches to defining the ancestral eukaryotic protein complexome. *BioEssays* **28**:316-324.
35. **Chan, N.C., Likic, V.A., Waller, R.F., Mulhern, T.D., and Lithgow, T.** 2006. The C-terminal TPR domain of Tom70 defines a family of mitochondrial protein import receptors found only in animals and fungi. *J. Mol. Biol.* **358**:1010-1022.
36. **Chavez, C.L.** 2005. Analysis of vacuolar ATPase mutants of *Neurospora crassa*. Thesis (Ph.D.)--University of California, Santa Cruz vii, 94 leaves.
37. **Chavez, C., Bowman, E.J., Reidling, J.C., Haw, K.H., and Bowman, B.J.** 2006. Analysis of strains with mutations in six genes encoding subunits of the V-ATPase: eukaryotes differ in the composition of the V0 sector of the enzyme. *J. Biol. Chem.* **281**:27052-27062.
38. **Cheng, X., Collins, R.E., and Zhang, X.** 2005. Structural and sequence motifs of protein (histone) methylation enzymes. *Annu. Rev. Biophys. Biomol. Struct.* **34**:267-294.
39. **Chitnis, M.V., and Deshpande, M.V.** 2005. Fungal protoplast technology. In: Biodiversity of fungi: their role in human life. Deshmukh, S.K. and Rai, M.K. (eds). Enfield, N.H. Science Publishers, pp. 439-454.
40. **Cho, L.Y.** 2006. Control of DNA methylation by a potential histone demethylase *ath-2* in *Neurospora crassa*. Thesis (Honors)--University of Oregon iv, 55 leaves.
41. **Collins, L., and Penny, D.** 2005. Complex spliceosomal organization ancestral to extant eukaryotes. *Mol. Biol. Evol.* **22**:1053-1066.
42. **Colot, H.V., Park, G., Turner, G.E., Ringelberg, C., Crew, C.M., Litvinkova, L., Weiss, R.L., Borkovich, K.A., and Dunlap, J.C.** 2006. A high-throughput gene knockout procedure for *Neurospora* reveals functions for multiple transcription factors. *Proc. Natl. Acad. Sci. USA* **103**:10352-10357.
43. **Colot, H.V., Park, G., Turner, G.E., Ringelberg, C., Crew, C.M., Litvinkova, L., Weiss, R.L., Borkovich, K.A., and Dunlap, J.C.** 2006. Erratum: A high-throughput gene knockout procedure for *Neurospora* reveals functions for multiple transcription factors (*Proc. Natl. Acad. Sci. USA.* (July 5, 2006) 27, 103 (10352-10357) DOI:10.1073/pnas.0601456103). *Proc. Natl. Acad. Sci. USA.* **103**:16614.
44. **Corrochano, L.M. and P. Galland.** 2006. Photomorphogenesis and gravitropism in fungi. In: Growth, differentiation and sexuality, 2nd ed. Kues, U. and R. Fischer (eds.). *The Mycota: a comprehensive treatise on fungi as experimental systems for basic and applied research.* Springer. pp. 233-239
45. **Cotado-Sampayo, M., Ojha, M., Ortega-Perez, R., Chappuis, M.L., and Barja, F.** 2006. Proteolytic cleavage of a spectrin-related protein by calcium-dependent protease in *Neurospora crassa*. *Curr. Microbiol.* **53**:311-316.
46. **Dean, R., Mitchell, T., Donofrio, N., Jeong, J.S., and Powell, A.** 2005. Fungal biology reaps the benefit of genomics. *Genome Biol.* **6**:336-337.331.
47. **Debuchy, R. and B.G. Turgeon.** 2006. Mating-type structure, evolution, and function in eucaryotes. In: Growth, differentiation and sexuality, 2nd ed. Kues, U. and R. Fischer (eds.). *The Mycota: a comprehensive treatise on fungi as experimental systems for basic and applied research.* Springer. pp. 293-323
48. **De Groot, P.W.J., Ram, A.F., and Klis, F.M.** 2005. Features and functions of covalently linked proteins in fungal cell walls. *Fungal Genet. Biol.* **42**:657-675.
49. **Dementhon, K., Iyer, G., and Glass, N.L.** 2006. VIB-1 is required for expression of genes necessary for

programmed cell death in *Neurospora*. *Eukaryot. Cell* **5**:2161-2173

50. **de Paula, R.M., Lewis, Z.A., Greene, A.V., Seo, K.S., Morgan, L.W., Vitalini, M.W., Bennett, L., Gomer, R.H., and Bell-Pedersen, D.** 2006. Two circadian timing circuits in *Neurospora crassa* cells share components and regulate distinct rhythmic processes. *J. Biol. Rhythms* **21**:159-168.
51. **Dettman, J.R., Jacobson, D.J., and Taylor, J.W.** 2006. Multilocus sequence data reveal extensive phylogenetic species diversity within the *Neurospora discreta* complex. *Mycologia* **98**:436-446.
52. **Dumay, Q.C., Debut, A.J., Mansour, N.M., and Saier, M.H., Jr.** 2006. The copper transporter (Ctr) family of Cu⁺ uptake systems. *J. Mol. Microbiol. Biotechnol.* **11**:10-19.
53. **Dunlap, J.C.** 2006. Proteins in the *Neurospora* circadian clockworks. *J. Biol. Chem.* **281**:28489-28493.
54. **Dunlap, J.C., and Loros, J.J.** 2006. How fungi keep time:circadian system in *Neurospora* and other fungi. *Curr. Opin. Microbiol.* **9**:579-587.
55. **Dykhhoorn, D.M.** 2005. RNAi-mediated silencing of viral gene expression and replication. In *RNA interference technology: from basic science to drug development*. K. Appasani, A. Fire, and M. Nirenberg (eds.). Cambridge University Press. pp. 363-383.
56. **Fang, Z., Ouyang, Z., Hu, L., Wang, X., Zheng, H., and Lin, X.** 2005. Culturable airborne fungi in outdoor environments in Beijing, China. *Sci. Total Environ.* **350**:47-58.
57. **Fedorova, N.D., Badger, J.H., Robson, G.D., Wortman, J.R., and Nierman, W.C.** 2005. Comparative analysis of programmed cell death pathways in filamentous fungi. *BMC Genomics* **6**:177.
58. **Franchi, L., and Macino, G.** 2006. In vitro phosphorylation and kinase assays in *Neurospora crassa*. In *Circadian rhythms : methods and protocols*. Rosato, E. (ed). Totowa, NJ. Humana Press. Chap. 32.
59. **Freitag, M., and Selker, E.U.** 2005. Expression and visualization of red fluorescent protein (RFP) in *Neurospora crassa*. *Fungal Genet. Newslett.* **52**:14-17.
60. **Froehlich, A.C., Noh, B., Vierstra, R.D., Loros, J., and Dunlap, J.C.** 2005. Genetic and molecular analysis of phytochromes from the filamentous fungus *Neurospora crassa*. *Eukaryot. Cell* **4**:2140-2152.
61. **Fuchs, J., Demidov, D., Houben, A., and Schubert, I.** 2006. Chromosomal histone modification patterns - from conservation to diversity. *Trends Plant Sci.* **11**:199-208.
62. **Galagan, J.E., Henn, M.R., Ma, L.J., Cuomo, C.A., and Birren, B.** 2005. Genomics of the fungal kingdom:Insights into eukaryotic biology. *Genome Res.* **15**:1620-1631.
63. **Galante, D., Hartung de Capriles, C., Mata-Essayag, S., Conesa, A., Cordova, Y., Trejo, E., and Tassinari, P.** 2006. Respiratory allergies in Venezuela:are fungi responsible? *Mycoses* **49**:493-498.
64. **Gan, X., Arita, K., Isono, S., Kitakawa, M., Yoshino, K., Yonezawa, K., Kato, A., Inoue, H., and Isono, K.** 2006. Identification and comparative analysis of the large subunit mitochondrial ribosomal proteins of *Neurospora crassa*. *FEMS Microbiol. Lett.* **254**:157-164.
65. **Gardner, M.J., Hubbard, K.E., Hotta, C., Dodd, A.N., and Webb, A.A.R.** 2006. How plants tell the time. *Biochem. J.* **397**:15-24.
66. **Gessler, N.N., Leonovich, O.A., Rabinovich, Y.M., Rudchenko, M.N., and Belozerskaya, T.A.** 2006. A comparative study of the components of the antioxidant defense system during growth of the mycelium of a wild-type *Neurospora crassa* strain and mutants, *white collar-1* and *white collar-2*. *Appl. Biochem. Microbiol.* **42**:293-297.

67. **Ghoumari, H., Benajiba, M.H., Garcia-Granados, A., Fernandez, A., Martinez, A., Rivas, F., and Arias, J.M.** 2006. Biotransformations of ent-18-acetoxy-6-ketomanoyl oxides epimers at C-13 with filamentous fungi. *Phytochemistry* **67**:2294-2302.
68. **Gilchrist, M.A., Sulsky, D.L., and Pringle, A.** 2006. Identifying fitness and optimal life-history strategies for an asexual filamentous fungus. *Evolution* **60**:970-979.
69. **Gladfelter, A.S.** 2006. Control of filamentous fungal cell shape by septins and formins. *Nat. Rev. Microbiol.* **4**:223-229
70. **Glass, N.L. and A. Fleissner.** 2006. Re-wiring the network: understanding the mechanisms and function of anastomosis in filamentous ascomycete fungi. In: Growth, differentiation and sexuality, 2nd ed. Kues, U. and R. Fischer (eds.). *The Mycota: a comprehensive treatise on fungi as experimental systems for basic and applied research.* Springer. pp. 123-139
71. **Goldin, M.M., Volkov, A.G., Goldfarb, Y.S., and Goldin, M.M.** 2006. Electrochemical aspects of hemosorption. *J. Electrochem. Soc.* **153**:J91-J99.
72. **Gonze, D., and Goldbeter, A.** 2006. Circadian rhythms and molecular noise. *Chaos* **16**:026110.
73. **Grimaldi, B., Coiro, P., Filetici, P., Berge, E., Dobosy, J.R., Freitag, M., Selker, E.U., and Ballario, P.** 2006. The *Neurospora crassa* White Collar-1 dependent blue light response requires acetylation of histone H3 lysine 14 by NGF-1. *Mol. Biol. Cell* **17**:4576-4583.
74. **Groenenboom, M.A.C., Maree, A.F.M., and Hogeweg, P.** 2005. The RNA silencing pathway: the bits and pieces that matter. *PLoS Comput. Biol.* **1**:155-165.
75. **Haase, A.** 2005. Biochemische analyse und charakterisierung der White-Collar-proteinkomplexe: aufklärung des molekularen mechanismus des negativen feedbacks von FRQ auf den WCC in der circadianen uhr von *Neurospora crassa*. Thesis (Ph. D.)--Universität Heidelberg, 99 pg.
76. **Hahlen, K., Ebbing, B., Reinders, J., Mergler, J., Sickmann, A., and Woehlke, G.** 2006. Feedback of the kinesin-1 neck-linker position on the catalytic site. *J. Biol. Chem.* **281**:18868-18877.
77. **Halaouli, S., Asther, M., Sigoillot, J.C., Hamdi, M., and Lomascolo, A.** 2006. Fungal tyrosinases: new prospects in molecular characteristics, bioengineering and biotechnological applications. *J. Appl. Microbiol.* **100**:219-232.
78. **Hausner, G., Nummy, K.A., and Bertrand, H.** 2006. Asexual transmission, non-suppressiveness and meiotic extinction of small plasmid-like derivatives of the mitochondrial DNA in *Neurospora crassa*. *Fungal Genet. Biol.* **43**:90-101.
79. **Hausner, G., Nummy, K.A., Stoltzner, S., Hubert, S.K., and Bertrand, H.** 2006. Biogenesis and replication of small plasmid-like derivatives of the mitochondrial DNA in *Neurospora crassa*. *Fungal Genet. Biol.* **43**:75-89.
80. **He, Q., Cha, J., He, Q., Lee, H.C., Yang, Y., and Liu, Y.** 2006. CKI and CKII mediate the FREQUENCY-dependent phosphorylation of the WHITE COLLAR complex to close the *Neurospora* circadian negative feedback loop. *Genes Dev.* **20**:2552-2565.
81. **Henderson, S.T., Eariss, G.A., and Catcheside, D.E.A.** 2005. Reliable PCR amplification from *Neurospora crassa* genomic DNA obtained from conidia. *Fungal Genet. Newslett.* **52**:24.
82. **Higgs, H.N., and Peterson, K.J.** 2005. Phylogenetic analysis of the formin homology 2 domain. *Mol. Biol. Cell* **16**:1-13.
83. **Hizlan, D., Mishima, M., Tittmann, P., Gross, H., Glotzer, M., and Hoenger, A.** 2006. Structural analysis of

- the ZEN-4/CeMKLP1 motor domain and its interaction with microtubules. *J. Struct. Biol.* **153**:73-84.
84. **Hoppins, S.C.** 2005. Mitochondrial protein import in *Neurospora crassa*. Thesis (Ph. D.)-- University of Alberta, pp. [19], 228 leaves.
85. **Hsiang, T., and Baillie, D.L.** 2005. Comparison of the yeast proteome to other fungal genomes to find core fungal genes. *J. Mol. Evol.* **60**:475-483.
86. **Huang, G., Wang, L., and Liu, Y.** 2006. Molecular mechanism of suppression of circadian rhythms by a critical stimulus. *EMBO J.* **25**:5349-5357.
87. **Hur, M.S., and Cho, J.Y.** 2006. Sequence-based screening for a putative gamma-butyrobetaine hydroxylase gene from *Neurospora crassa*. *J. Microbiol. Biotechnol.* **16**:1468-1471.
88. **Ichiishi, A., Sotani, S., and Hoshino, M.** 2005. Analysis of *Saccharomyces cerevisiae* RAD23 homolog in *Neurospora crassa*. *Genes Genet. Syst.* **80**:493.
89. **Idnurm, A., and Heitman, J.** 2005. Light controls growth and development via a conserved pathway in the fungal kingdom. *PLoS Biol.* **3**:e95.
90. **Illmer, P., and Buttinger, R.** 2006. Interactions between iron availability, aluminium toxicity and fungal siderophores. *Biometals* **19**:367-377.
91. **Irmiler, S., Rogniaux, H., Hess, D., and Pillonel, C.** 2006. Induction of OS-2 phosphorylation in *Neurospora crassa* by treatment with phenylpyrrole fungicides and osmotic stress. *Pestic. Biochem. Physiol.* **84**:25-37.
92. **Ishibashi, K., Suzuki, K., Ando, Y., Takakura, C., and Inoue, H.** 2006. Nonhomologous chromosomal integration of foreign DNA is completely dependent on MUS-53 (human Lig4 homolog) in *Neurospora*. *Proc. Natl. Acad. Sci. USA* **103**:14871-14876.
93. **Jacobson, D.J., Dettman, J.R., Adams, R.I., Boesl, C., Sultana, S., Roenneberg, T., Merrow, M., Duarte, M., Marques, I., Ushakova, A., Carneiro, P., Videira, A., Navarro-Sampedro, L., Olmedo, M., Corrochano, L.M., and Taylor, J.W.** 2006. New findings of *Neurospora* in Europe and comparisons of diversity in temperate climates on continental scales. *Mycologia* **98**:550-559.
94. **Jaud, J., Bathe, F., Schliwa, M., Rief, M., and Woehlke, G.** 2006. Flexibility of the neck domain enhances Kinesin-1 motility under load. *Biophys. J.* **91**:1407-1412.
95. **Jensen, R.E.** 2005. Control of mitochondrial shape. *Curr. Opin. Cell Biol.* **17**:384-388.
96. **Jolma, I.W., Falkeid, G., Bamerni, M., and Ruoff, P.** 2006. Lithium leads to an increased FRQ protein stability and to a partial loss of temperature compensation in the *Neurospora* circadian clock. *J. Biol. Rhythms* **21**:327-334.
97. **Jumpponen, A., and Johnson, L.C.** 2005. Can rDNA analyses of diverse fungal communities in soil and roots detect effects of environmental manipulations - a case study from tallgrass prairie. *Mycologia* **97**:1177-1194.
98. **Jun, Y.H., Ji, Y.M., Su, K.L., Hyoun, S.K., Do, J.K., Kyoung, H.K., Hyung, H.L., Hye, K.K., Yoon, H.J., and Se, W.S.** 2006. Crystal structure of 2-nitropropane dioxygenase complexed with FMN and substrate: Identification of the catalytic base. *J. Biol. Chem.* **281**:18660-18667.
99. **Kalavrizioti, D., Vourekas, A., Stamatopoulou, V., Toumpeki, C., Giannouli, S., Stathopoulos, C., and Drinas, D.** 2006. RNA-Mediated therapeutics: from gene inactivation to clinical application. *Curr. Top. Med. Chem.* **6**:1737-1758.
100. **Kaldi, K., Gonzalez, B.H., and Brunner, M.** 2006. Transcriptional regulation of the *Neurospora* circadian clock gene *wc-1* affects the phase of circadian output. *EMBO Rep.* **7**:199-204.

101. **Kaneko, I., Dementhon, K., Xiang, Q., and Glass, N.L.** 2006. Nonallelic interactions between *het-c* and a polymorphic locus, *pin-c*, are essential for nonself recognition and programmed cell death in *Neurospora crassa*. *Genetics* **172**:1545-1555.
102. **Karpinets, T.V., Greenwood, D.J., Sams, C.E., and Ammons, J.T.** 2006. RNA:protein ratio of the unicellular organism as a characteristic of phosphorous and nitrogen stoichiometry and of the cellular requirement of ribosomes for protein synthesis. *BMC Biol.* **4**:30.
103. **Kasbekar, D.P.** 2006. Magic with moulds: meiotic and mitotic crossing over in *Neurospora* inversions and duplications. *J. Biosci.* **31**:3-4.
104. **Kato, A., and Inoue, H.** 2006. Growth defect and mutator phenotypes of RecQ-deficient *Neurospora crassa* mutants separately result from homologous recombination and nonhomologous end joining during repair of DNA double-strand breaks. *Genetics* **172**:113-125.
105. **Kelly, W.G.** 2006. Standing guard: perinuclear localization of an RNA-dependent RNA polymerase. *Proc. Natl. Acad. Sci. USA* **103**:2007-2008.
106. **Kerenyi, Z., Olah, B., Jeney, A., Hornok, L., and Leslie, J.F.** 2006. The homologue of *het-c* of *Neurospora crassa* lacks vegetative compatibility function in *Fusarium proliferatum*. *Appl. Environ. Microbiol.* **72**:6527-6532.
107. **Kim, H., and Borkovich, K.A.** 2006. Pheromones are essential for male fertility and sufficient to direct chemotropic polarized growth of trichogynes during mating in *Neurospora crassa*. *Eukaryot. Cell* **5**:544-554.
108. **Kiranmayi, P., and Mohan, P.M.** 2006. Metal transportome of *Neurospora crassa*. *In Silico Biol.* **6**:0016.
109. **Kirchberger, T., Wagner, G., Xu, J., Cordiglieri, C., Wang, P., Gasser, A., Fliegert, R., Bruhn, S., Fluegel, A., Lund, F.E., Zhang, L.h., Potter, B.V.L., and Guse, A.H.** 2006. Cellular effects and metabolic stability of N1-cyclic inosine diphosphoribose and its derivatives. *Br. J. Pharmacol.* **149**:337-344.
110. **Kivioja, T., Arvas, M., Saloheimo, M., Penttila, M., and Ukkonen, E.** 2005. Optimization of cDNA-AFLP experiments using genomic sequence data. *Bioinformatics* **21**:2573-2579.
111. **Kleckner, N.** 2006. Chiasma formation:chromatin/axis interplay and the role(s) of the synaptonemal complex. *Chromosoma* **115**:175-194.
112. **Klenov, M.S., and Gvozdev, V.A.** 2005. Heterochromatin formation: role of short RNAs and DNA methylation. *Biochemistry-Moscow* **70**:1187-1198.
113. **Komarov, A.G., Deng, D.F., Craigen, W.J., and Colombini, M.** 2005. New insights into the mechanism of permeation through large channels. *Biophys. J.* **89**:3950-3959.
114. **Kramer, C.** 2006. Rhythmic conidiation in *Neurospora crassa*. In *Circadian rhythms: methods and protocols*. Rosato, E. (ed). Totowa, NJ. Humana Press. Chap. 3.
115. **Kramer, C.** 2006. Isolation of total RNA from *Neurospora* mycelium. In *Circadian rhythms: methods and protocols*. Rosato, E. (ed). Totowa, NJ. Humana Press. Chap. 19.
116. **Kramer, C.** 2006. Northern analysis of sense and antisense frequency RNA in *Neurospora crassa*. In *Circadian rhythms: methods and protocols*. Rosato, E. (ed). Totowa, NJ. Humana Press. Chap. 23.
117. **Krantz, M., Becit, E., and Hohmann, S.** 2006. Comparative genomics of the HOG-signalling system in fungi. *Curr. Genet.* **49**:137-151.
118. **Krystofova, S., and Borkovich, K.A.** 2006. The predicted G-protein-coupled receptor GPR-1 is required for

- female sexual development in the multicellular fungus *Neurospora crassa*. Eukaryot. Cell **5**:1503-1516.
119. **Kues, U. and R. Fischer (eds.)**. 2006. Growth, differentiation and sexuality, 2nd ed. The Mycota: a comprehensive treatise on fungi as experimental systems for basic and applied research. Springer. 470 pg.
120. **Kumar, K.S., Ravi Kumar, B., Siddavattam, D., and Subramanyam, C.** 2006. Characterization of calcineurin-dependent response element binding protein and its involvement in copper-metallothionein gene expression in *Neurospora*. Biochem. Biophys. Res. Commun. **345**:1010-1013.
121. **Kurosawa, G., and Goldbeter, A.** 2006. Amplitude of circadian oscillations entrained by 24-h light-dark cycles. J. Theor. Biol. **242**:478-488.
122. **Kwan, A.H., Winefield, R.D., Sunde, M., Matthews, J.M., Haverkamp, R.G., Templeton, M.D., and Mackay, J.P.** 2006. Structural basis for rodlet assembly in fungal hydrophobins. Proc. Natl. Acad. Sci. USA **103**:3621-3626.
123. **Lakin-Thomas, P.L.** 2006. New models for circadian systems in microorganisms. FEMS Microbiol. Lett. **259**:1-6.
124. **Lakin-Thomas, P.L.** 2006. Transcriptional feedback oscillators: maybe, maybe not. J. Biol. Rhythms **21**:83-92.
125. **Lakin-Thomas, P.L.** 2006. Circadian clock genes *frequency* and *white collar-1* are not essential for entrainment to temperature cycles in *Neurospora crassa*. Proc. Natl. Acad. Sci. USA **103**:4469-4474.
126. **Latha, J.N., Rashmi, K., and Mohan, P.M.** 2005. Cell-wall-bound metal ions are not taken up in *Neurospora crassa*. Can. J. Microbiol. **51**:1021-1026.
127. **Lee, B., Yoshida, Y., and Hasunuma, K.** 2006. Photomorphogenetic characteristics are severely affected in nucleoside diphosphate kinase-1 (*ndk-1*)-disrupted mutants in *Neurospora crassa*. Mol. Genet. Genomics **275**:9-17.
128. **Levina, N.N., and Lew, R.R.** 2006. The role of tip-localized mitochondria in hyphal growth. Fungal Genet. Biol. **43**:65-74.
129. **Lew, R.R., Levina, N.N., Shabala, L., Anderca, M.I., and Shabala, S.N.** 2006. Role of a mitogen-activated protein kinase cascade in ion flux-mediated turgor regulation in fungi. Eukaryot. Cell **5**:480-487.
130. **Li, D.** 2005. A MAP kinase pathway essential for mating and contributing to asexual development in *Neurospora crassa*. Thesis (Ph. D.)--Texas A&M University, 187 pg.
131. **Li, L., and Borkovich, K.A.** 2006. GPR-4 is a predicted G-protein-coupled receptor required for carbon source-dependent asexual growth and development in *Neurospora crassa*. Eukaryot. Cell **5**:1287-1300.
132. **Li, W., Rehmeier, C.J., Staben, C., and Farman, M.L.** 2005. TERMINUS-Telomeric end-read mining IN unassembled sequences. Bioinformatics **21**:1695-1698.
133. **Lin, Y., and Tanaka, S.** 2006. Ethanol fermentation from biomass resources: current state and prospects. Appl. Microbiol. Biotechnol. **69**:627-642.
134. **Liu, Y., and Bell-Pedersen, D.** 2006. Circadian rhythms in *Neurospora crassa* and other filamentous fungi. Eukaryot. Cell **5**:1184-1193.
135. **Lomberk, G., Wallrath, L.L., and Urrutia, R.** 2006. The heterochromatin protein 1 family. Genome Biol. **7**:Art. No. 228.
136. **Loros, J.J., and Dunlap, J.C.** 2006. Circadian rhythms, photobiology and functional genomics in *Neurospora*. In: Growth, differentiation and sexuality, 2nd ed. Kues, U. and R. Fischer (eds.). The Mycota: a comprehensive treatise on

fungi as experimental systems for basic and applied research. Springer. pp. 53-74.

137. **Lu, B.C.** 2006. Karyotyping of *Neurospora crassa* using synaptonemal complex spreads of translocation quadrivalents. *Genome* **49**:612-618.
138. **Matsuo, M.** 2006. Chemical components, palatability, antioxidant activity and antimutagenicity of oncomiso using a mixture of fermented soybeans and okara with *Neurospora intermedia*. *J. Nutr. Sci. Vitaminol.* **52**:216-222.
139. **McCluskey, K.** 2005. Using *Neurospora* to demonstrate the unidirectional nature of fungal mating. *Fungal Genet. Newslett.* **52**:9-10.
140. **McCourt, J.A., and Duggleby, R.G.** 2006. Acetohydroxyacid synthase and its role in the biosynthetic pathway for branched-chain amino acids. *Amino Acids (Vienna)* **31**:173-210.
141. **Meisinger, C., Wiedemann, N., Rissler, M., Strub, A., Milenkovic, D., Schonfisch, B., Muller, H., Kozjak, V., and Pfanner, N.** 2006. Mitochondrial protein sorting - differentiation of beta-barrel assembly by Tom7-mediated segregation of Mdm10. *J. Biol. Chem.* **281**:22819-22826.
142. **Merrow, M., Boesl, C., Ricken, J., Messerschmitt, M., Goedel, M., and Roenneberg, T.** 2006. Entrainment of the *Neurospora* circadian clock. *Chronobiol. Int.* **23**:71-80.
143. **Merrow, M., Mazzotta, G., Chen, Z., and Roenneberg, T.** 2006. The right place at the right time: regulation of daily timing by phosphorylation. *Genes Dev.* **20**:2629-2633.
144. **Mette, M.F., Aufsatz, W., Kanno, T., Daxinger, L., Rovina, P., Matzke, M., and Matzke, A.J.M.** 2005. Analysis of double-stranded RNA and small RNAs involved in RNA-mediated transcriptional gene silencing. *Methods Mol. Biol.* **309**:61-82.
145. **Metzenberg, R.L.** 2005. Anecdotal, historical and critical commentaries on genetics - Norman Harold Horowitz, 1915-2005. *Genetics* **171**:1445-1448.
146. **Metzenberg, R.L.** 2005. Construction of minimally-sheltered knockout mutants of *Neurospora crassa*. *Fungal Genet. Newslett.* **52**:11-13.
147. **Micali, C.O., and Smith, M.L.** 2006. A nonself recognition gene complex in *Neurospora crassa*. *Genetics* **173**:1991-2004.
148. **Mizoguchi, T., Putterill, J., and Ohkoshi, Y.** 2006. Kinase and phosphatase: the cog and spring of the circadian clock. *Int. Rev. Cytol.* **250**:47-72.
149. **Mohr, S., Matsuura, M., Perlman, P.S., and Lambowitz, A.M.** 2006. A DEAD-box protein alone promotes group II intron splicing and reverse splicing by acting as an RNA chaperone. *Proc. Natl. Acad. Sci. USA* **103**:3569-3574.
150. **Mourino-Perez, R.R., Roberson, R.W., and Bartnicki-Garcia, S.** 2006. Microtubule dynamics and organization during hyphal growth and branching in *Neurospora crassa*. *Fungal Genet. Biol.* **43**:389-400.
151. **Mozmader, T.I.M.A., Keya, U.S., and Haque, T.** 2005. Induction of mutation in *Neurospora crassa* with diathane-M45 and genetical studies of some selected mutants. *Dhaka University J. Biol. Sci.* **14**:155-160.
152. **Muller, J., Oma, Y., Vallar, L., Friederich, E., Poch, O., and Winsor, B.** 2005. Sequence and comparative genomic analysis of actin-related proteins. *Mol. Biol. Cell* **16**:5736-5748.
153. **Mylonas, S.** 2005. Structural studies on kinesin-1 motor domain and light chain from *Rattus norvegicus* and *Neurospora crassa*. Thesis (Ph. D.)--University of Hamburg, iii, 116 pg.

154. **Nakanishi, Y., Ishii, C., and Inoue, H.** 2005. An effect of homology length on gene disruption in *Neurospora crassa*. *Fungal Genet. Newslett.* **52**:5-6.
155. **Nakayashiki, H., Hanada, S., Quoc, N.B., Kadotani, N., Tosa, Y., and Mayama, S.** 2005. RNA silencing as a tool for exploring gene function in ascomycete fungi. *Fungal Genet. Biol.* **42**:275-283.
156. **Nakayashiki, H., Kadotani, N., and Mayama, S.** 2006. Evolution and diversification of RNA silencing proteins in fungi. *J. Mol. Evol.* **63**:127-135.
157. **Neves, F.M., Kawano, C.Y., and Said, S.** 2005. Effect of benzene compounds from plants on the growth and hyphal morphology in *Neurospora crassa*. *Braz. J. Microbiol.* **36**:190-195.
158. **Nickerson, K.W., Atkin, A.L., and Hornby, J.M.** 2006. Quorum sensing in dimorphic fungi: farnesol and beyond. *Appl. Environ. Microbiol.* **72**:3805-3813.
159. **Nolting, N., and Poggeler, S.** 2006. A STE12 homologue of the homothallic ascomycete *Sordaria macrospora* interacts with the MADS box protein MCM1 and is required for ascosporeogenesis. *Mol. Microbiol.* **62**:853-868.
160. **Nolting, N., and Poggeler, S.** 2006. A MADS box protein interacts with a mating-type protein and is required for fruiting body development in the homothallic ascomycete *Sordaria macrospora*. *Eukaryot. Cell* **5**:1043-1056.
161. **Norouzian, D., Akbarzadeh, A., Scharer, J.M., and Young, M.M.** 2006. Fungal glucoamylases. *Biotechnol. Adv.* **24**:80-85.
162. **Novikova, O., Fursov, M., Beresikov, E., and Blinov, A.** 2006. New LTR retrotransposable elements from eukaryotic genomes. In *Bioinformatics of Genome Regulation and Structure II*. N. Kolchanov, R. Hofstaedt, and L. Milanesi (eds.). Springer. pp. 131-140.
163. **Nowrousian, M., and Kuck, U.** 2006. Comparative gene expression analysis of fruiting body development in two filamentous fungi. *FEMS Microbiol. Lett.* **257**:328-335.
164. **Okada, A., Banno, S., Ichiishi, A., Kimura, M., Yamaguchi, I., and Fujimura, M.** 2005. Pyrrolnitrin interferes with osmotic signal transduction in *Neurospora crassa*. *J. Pestic. Sci.* **30**:378-383.
165. **Olsen, R., and Loomis, W.F.** 2005. A collection of amino acid replacement matrices derived from clusters of orthologs. *J. Mol. Evol.* **61**:659-665.
166. **Orbach, M.J., and Turgeon, B.G.** 2006. The XXIII Fungal Genetics Conference, March 15-20, 2005, Asilomar Conference Grounds, Pacific Grove, California. *Fungal Genet. Biol.* **43**:669-678.
167. **Oyama, S., Inoue, H., Yamagata, Y., Nakajima, T., and Abe, K.** 2006. Functional analysis of an endo-1,6-beta-D-glucanase gene (*neg-1*) from *Neurospora crassa*. *Biosci. Biotechnol. Biochem.* **70**:1773-1775.
168. **Paschen, S.A., Neupert, W., and Rapaport, D.** 2005. Biogenesis of beta-barrel membrane proteins of mitochondria. *Trends Biochem. Sci.* **30**:575-582.
169. **Patra, M., Majumder, S., and Mandal, C.** 2006. Structural studies on mannose-selective glycoprotein receptors using molecular modeling techniques. *Glycoconj. J.* **23**:241-249.
170. **Pavlov, E., Grigoriev, S.M., Dejean, L.M., Zweihorn, C.L., Mannella, C.A., and Kinnally, K.W.** 2005. The mitochondrial channel VDAC has a cation-selective open state. *Biochim. Biophys. Acta-Bioenergetics* **1710**:96-102.
171. **Pemberton, T.J.** 2006. Identification and comparative analysis of sixteen fungal peptidyl-prolyl cis/trans isomerase repertoires. *BMC Genomics* **7**:244.
172. **Pereira, C. S., Soares, G. A. M., Oliveira, A. C., Rosa, M. E., Pereira, H., Moreno N., and Romao M. V. S.**

2006. Effect of fungal colonization on mechanical performance of cork. *Int. Biodeter. Biodegr.* **57**:244-250.
173. **Perkins, D.D.** 2005. Why "Red bread mold" is an inappropriate name for *Neurospora*. *Fungal Genet. Newslett.* **52**:7-8.
174. **Piggins, H.D.** 2006. Stabilizing daily clock proteins. *Biochem. J.* **399**:e1-2.
175. **Poeggeler, S., Nowrousian, and Kuck, U.** 2006. Fruiting-body development in ascomycetes. In: *Growth, differentiation and sexuality*, 2nd ed. Kues, U. and R. Fischer (eds.). *The Mycota: a comprehensive treatise on fungi as experimental systems for basic and applied research*. Springer. pp. 323-355.
176. **Poeggeler, S., Nowrousian, M., Ringelberg, C., Loros, J.J., Dunlap, J.C., and Kuck, U.** 2006. Microarray and real-time PCR analyses reveal mating type-dependent gene expression in a homothallic fungus. *Mol. Genet. Genomics* **275**:492-503.
177. **Poon, A.H., Olive, J.E., McLaren, M., and Collins, R.A.** 2006. Identification of separate structural features that affect rate and cation concentration dependence of self-cleavage by the *Neurospora* VS ribozyme. *Biochemistry* **45**:13394-13400.
178. **Porteous, J.W.** 2005. Henrik Kacser - A neglected author? *Cell. Mol. Biol.* **51**:595-598.
179. **Pregueiro, A.M., Liu, Q.Y., Baker, C.L., Dunlap, J.C., and Loros, J.J.** 2006. The *Neurospora* checkpoint kinase 2: A regulatory link between the circadian and cell cycles. *Science* **313**:644-649.
180. **Rand, D.A., Shulgin, B.V., Salazar, J.D., and Millar, A.J.** 2006. Uncovering the design principles analysis of flexibility of circadian clocks: mathematical and evolutionary goals. *J. Theor. Biol.* **238**:616-635.
181. **Reif, S., Randelj, O., Domanska, G., Dian, E.A., Krimmer, T., Motz, C., and Rassow, J.** 2005. Conserved mechanism of Oxal1 insertion into the mitochondrial inner membrane. *J. Mol. Biol.* **354**:520-528.
182. **Ren, Q.H., and Paulsen, A.T.** 2005. Comparative analyses of fundamental differences in membrane transport capabilities in prokaryotes and eukaryotes. *PLoS Comput. Biol.* **1**:190-201.
183. **Rep, M., Duyvesteijn, R.G., Gale, L., Usgaard, T., Cornelissen, B.J., Ma, L.J., and Ward, T.J.** 2006. The presence of GC-AG introns in *Neurospora crassa* and other euascomycetes determined from analyses of complete genomes: implications for automated gene prediction. *Genomics* **87**:338-347.
184. **Reuveni, E., Leshkowitz, D., and Yarden, O.** 2005. BioCloneDB: a database application to manage DNA sequence and gene expression data. *Appl. Bioinformatics* **4**:277-280.
185. **Roca, M.G., Read, N.D., and Wheals, A.E.** 2005. Conidial anastomosis tubes in filamentous fungi. *FEMS Microbiol. Lett.* **249**:191-198.
186. **Roman, I., Figys, J., Steurs, G., and Zizi, M.** 2006. Direct measurement of VDAC-actin interaction by surface plasmon resonance. *Biochim Biophys Acta* **1758**:479-486.
187. **Rooney, A.P., and Ward, T.J.** 2005. Evolution of a large ribosomal RNA multigene family in filamentous fungi: birth and death of a concerted evolution paradigm. *Proc. Natl. Acad. Sci. USA* **102**:5084-5089.
188. **Rosato, E.** 2006. *Circadian rhythms: methods and protocols*: Totowa, NJ. Humana Press. 615 pg.
189. **Rosok, O., and Sioud, M.** 2005. Systematic search for natural antisense transcripts in eukaryotes - (Review). *Int. J. Mol. Med.* **15**:197-203.
190. **Runke, G., Maier, E., Summers, W.A., Bay, D.C., Benz, R., and Court, D.A.** 2006. Deletion variants of *Neurospora* mitochondrial porin: electrophysiological and spectroscopic analysis. *Biophys. J.* **90**:3155-3164.

191. **Ruoff, P., Loros, J.J., and Dunlap, J.C.** 2005. The relationship between FRQ-protein stability and temperature compensation in the *Neurospora* circadian clock. *Proc. Natl. Acad. Sci. USA* **102**:17681-17686.
192. **Sandmann, G., Zhu, C., Krubasik, P., and Fraser, P.D.** 2006. The biotechnological potential of the *al-2* gene from *Neurospora crassa* for the production of monocyclic keto hydroxy carotenoids. *Biochim. Biophys. Acta* **1761**:1085-1092.
193. **Saravanan, V., Nagarajan, P., and Karunanthi, T.** 2006. Bioconversion of cellulose to ethanol. *Chem. Eng. World* **41**:71-75.
194. **Schafmeier, T., Kaldi, K., Diernfellner, A., Mohr, C., and Brunner, M.** 2006. Phosphorylation-dependent maturation of *Neurospora* circadian clock protein from a nuclear repressor toward a cytoplasmic activator. *Genes Dev.* **20**:297-306.
195. **Schliebs, W., Wurtz, C., Kunau, W.H., Veenhuis, M., and Rottensteiner, H.** 2006. A eukaryote without catalase-containing microbodies: *Neurospora crassa* exhibits a unique cellular distribution of its four catalases. *Eukaryot. Cell* **5**:1490-1502.
196. **Schmitt, S., Prokisch, H., Schlunck, T., Camp Ii, D.G., Ahting, U., Waizenegger, T., Scharfe, C., Meitinger, T., Imhof, A., Neupert, W., Oefner, P.J., and Rapaport, D.** 2006. Proteome analysis of mitochondrial outer membrane from *Neurospora crassa*. *Proteomics* **6**:72-80.
197. **Seiler, S., Vogt, N., Ziv, C., Gorovits, R., and Yarden, O.** 2006. The STE20/germinal center kinase POD6 interacts with the NDR kinase COT1 and is involved in polar tip extension in *Neurospora crassa*. *Mol. Biol. Cell* **17**:4080-4092.
198. **Sen, G.L., and Blau, H.M.** 2006. A brief history of RNAi: the silence of the genes. *FASEB J.* **20**:1293-1299.
199. **Sherman, E.L.** 2005. Characterization of the TOM complex in *Neurospora crassa*. Thesis (M.Sc.)-- University of Alberta, pp. [13], 147 leaves.
200. **Sherman, E.L., Taylor, R.D., Go, N.E., and Nargang, F.E.** 2006. Effect of mutations in Tom40 on stability of the translocase of the outer mitochondrial membrane (TOM) complex, assembly of Tom40, and import of mitochondrial preproteins. *J. Biol. Chem.* **281**:22554-22565.
201. **Shiu, P.K., Zickler, D., Raju, N.B., Ruprich-Robert, G., and Metzenberg, R.L.** 2006. SAD-2 is required for meiotic silencing by unpaired DNA and perinuclear localization of SAD-1 RNA-directed RNA polymerase. *Proc. Natl. Acad. Sci. USA* **103**:2243-2248.
202. **St George, S., and Selitrennikoff, C.P.** 2006. Identification of novel cell-wall active antifungal compounds. *Int. J. Antimicrob. Agent* **28**:361-365.
203. **Stawski, K., Dabrowska, G., and Goc, A.** 2005. Interrelationship between cytosine methylation and chromatin modification. *Postepy Biologii Komorki* **32**:679-696.
204. **Sveric, K., Mason, M., Roenneberg, T., and Mellow, M.** 2006. Novel strategies for the identification of clock genes in *Neurospora* with insertional mutagenesis. In *Circadian rhythms: methods and protocols*. Rosato, E. (ed). Totowa, N.J.:Humana Press. Chap.12.
205. **Thedei, G., Jr., and Rossi, A.** 2006. Identification of non-specific alkaline phosphatases in hyphal cells of the fungus *Neurospora crassa* by in situ histochemistry. *Genet. Mol. Res* **5**:483-486.
206. **Tordai, H., Nagy, A., Farkas, K., Banayai, L., and Patthy, L.** 2005. Modules, multidomain proteins and organismic complexity. *FEBS J.* **272**:5064-5078.

207. **Trampczynska, A., Bottcher, C., and Clemens, S.** 2006. The transition metal chelator nicotianamine is synthesized by filamentous fungi. *FEBS Lett.* **580**:3173-3178.
208. **Turner, G.E., and Weiss, R.L.** 2006. Developmental expression of two forms of arginase in *Neurospora crassa*. *Biochim. Biophys. Acta* **1760**:848-857.
209. **van Geel, B.** 2006. 'Quaternary non-pollen palynomorphs' deserve our attention! *Rev. Palaeobot. Palynol.* **141**:VII-VIII.
210. **Vanyushin, B.F.** 2006. DNA methylation and epigenetics. *Russ. J. Genet.* **42**:985-997.
211. **Vilgelm, A.E., Chumakov, S.P., and Prassolov, V.S.** 2006. RNA interference: biology and prospects of application in biomedicine and biotechnology. *Mol. Biol. (Moscow)* **40**:339-354.
212. **Virag, A., and Harris, S.D.** 2006. The Spitzenkorper: a molecular perspective. *Mycol. Res.* **110**:4-13.
213. **Vitalini, M.W., de Paula, R.M., Park, W.D., and Bell-Pedersen, D.** 2006. The rhythms of life: circadian output pathways in *Neurospora*. *J. Biol. Rhythms* **21**:432-444.
214. **Vogel, C., and Chothia, C.** 2006. Protein family expansions and biological complexity. *PLoS Comput. Biol.* **2**:370-382.
215. **Vyas, M., Ravindran, C., and Kasbekar, D.P.** 2006. Chromosome segment duplications in *Neurospora crassa* and their effects on repeat-induced point mutation and meiotic silencing by unpaired DNA. *Genetics* **172**:1511-1519.
216. **Waizenegger, T., Schmitt, S., Zivkovic, J., Neupert, W., and Rapaport, D.** 2005. Mim1, a protein required for the assembly of the TOM complex of mitochondria. *EMBO Rep.* **6**:57-62.
217. **Wassenegger, M., and Krczal, G.** 2006. Nomenclature and functions of RNA-directed RNA polymerases. *Trends Plant Sci.* **11**:142-151.
218. **Wheeler, D.L., Barrett, T., Benson, D.A., Bryant, S.H., Canese, K., Church, D.M., DiCuccio, M., Edgar, R., Federhen, S., Helmberg, W., Kenton, D.L., Khovayko, O., Lipman, D.J., Madden, T.L., Maglott, D.R., Ostell, J., Pontius, J.U., Pruitt, K.D., Schuler, G.D., Schriml, L.M., Sequeira, E., Sherry, S.T., Sirotkin, K., Starchenko, G., Suzek, T.O., Tatusov, R., Tatusova, T.A., Wagner, L., and Yaschenko, E.** 2005. Database resources of the National Center for Biotechnology Information. *Nucleic Acids Res.* **33**:D39-D45.
219. **Wieloch, W.** 2006. Chromosome visualisation in filamentous fungi. *J. Microbiol. Methods* **67**:1-8.
220. **Wolf, J., Becker-Weimann, S., and Heinrich, R.** 2005. Analysing the robustness of cellular rhythms. *Systems Biol.* **2**:35-41.
221. **Wright, G.D., Arlt, J., Poon, W.C.K., and Read, N.D.** 2005. Measuring fungal growth forces with optical tweezers. *Proc. SPIE* **5930**:1-7.
222. **Xu, H., Andi, B., Qian, J., West, A.H., and Cook, P.F.** 2006. The alpha-amino adipate pathway for lysine biosynthesis in fungi. *Cell Biochem. Biophys.* **46**:43-64.
223. **Yazdi, M.T., Amani, A., Faramarzi, M.A., Amini, M., Shafiee, A., and Fathabad, E.G.** 2005. Nandrolone decanoate transformation by *Neurospora crassa*. *Pharm. Biol.* **43**:630-635.
224. **Yoshida, Y., and Hasunuma, K.** 2006. Light-dependent subcellular localization of nucleoside diphosphate kinase-1 in *Neurospora crassa*. *FEMS Microbiol. Lett* **261**:64-68.
225. **Yoshida, Y., Ogura, Y., and Hasunuma, K.** 2006. Interaction of nucleoside diphosphate kinase and catalases for stress and light responses in *Neurospora crassa*. *FEBS Lett.* **580**:3282-3286.

226. **Yoshimi, A., Kojima, K., Takano, Y., and Tanaka, C.** 2005. Group III histidine kinase is a positive regulator of Hog1-type mitogen-activated protein kinase in filamentous fungi. *Eukaryot. Cell* **4**:1820-1828.
227. **Youssar, L., and Avalos, J.** 2007. Genetic basis of the *ovc* phenotype of *Neurospora*: identification and analysis of a 77 kb deletion. *Curr Genet.* **51**:19-30.
228. **Youssar, L., and Avalos, J.** 2006. Light-dependent regulation of the gene *cut-1* of *Neurospora*, involved in the osmotic stress response. *Fungal Genet. Biol.* **43**:752-763.
229. **Zagorski, N.** 2006. Profile of Alan M. Lambowitz. *Proc. Natl. Acad. Sci. USA.* **103**:1669-1671.
230. **Zamel, R.** 2005. Binding and kinetics of the *Neurospora* VS ribozyme. Thesis (Ph. D.)--University of Toronto. 145 pg.
231. **Zhang, J., Li, Y., and Li, Y.** 2006. Investigation into screening, identifying and solid-state fermentation of cellulolytic strains. *Xinan Jiaotong Daxue Xuebao/J. Southwest Jiaotong University* **41**:442-446.
232. **Zhou, X.-G., Li, C.-Y., Zhao, Z.-W., Su, Y., Zhang, S.-S., Li, J.-B., Yang, J., Liu, L., and Ye, Y.-F.** 2006. Analysis of the secreted proteins encoded by genes in genome of filamental fungus (*Neurospora crassa*). *Yichuan* **28**:200-207.
233. **Zhou, X.L., Shen, W., Zhuge, J., and Wang, Z.X.** 2006. Biochemical properties of a thermostable phytase from *Neurospora crassa*. *FEMS Microbiol. Lett.* **258**:61-66.
234. **Zickler, D.** 2006. Meiosis in mycelial fungi. In: *Growth, differentiation and sexuality*, 2nd ed. Kues, U. and R. Fischer (eds.). *The Mycota: a comprehensive treatise on fungi as experimental systems for basic and applied research*. Springer. pp. 415-438.

[Return to the FGN 53](#)

Coauthor Index (first authors not included)

[Return to the FGN 53 Neurospora Bibliography](#)

Abe, K.	167
Adams, R.I.	93
Ahting, U.	196
Akbarzadeh, A.	161
Akinduro, H.A.	3
Al Dabbous, M.	19
Amani, A.	223
Amini, M.	223
Ammons, J.T.	102
Anderca, M.I.	129
Andi, B.	222
Ando, Y.	92
Arias, J.M.	67
Arita, K.	64
Arlt, J.	221
Arvas, M.	110
Asther, M.	77
Atkin, A.L.	158
Aufsatz, W.	144
Avalos, J.	227, 228
Badger, J.H.	57
Baertsch, R.	16
Baillie, D.L.	85
Baker, C.L.	179
Ballario, P.	73
Bamerni, M.	96
Banayai, L.	206
Banno, S.	164
Barja, F.	45
Barrett, T.	218
Bartnicki-Garcia, S.	150
Bathe, F.	94
Bay, D.C.	190
Becit, E.	117
Becker-Weimann, S.	220
Beke, L.	34
Bell-Pedersen, D.	50, 134, 213

Belozerskaya, T.A.	66
Benajiba, M.H.	67
Bennett, L.	50
Benson, D.A.	218
Benz, R.	190
Beresikov, E.	162
Berge, E.	73
Berka, R.M.	7
Bertrand, H.	78, 79
Birren, B.	62
Blau, H.M.	198
Blinov, A.	162
Boesl, C.	93, 142
Bollen, M.	34
Borkovich, K.A.	42, 43, 107, 118, 131
Bottcher, C.	207
Bowman, B.J.	15, 37
Bowman, E.J.	16, 37
Bruhn, S.	109
Brunner, M.	100, 194
Bryant, S.H.	218
Buttinger, R.	90
Camp li, D.G.	196
Campbell, D.O.	30
Canese, K.	218
Cappello, G.	27
Carneiro, P.	93
Carter, T.L.	26
Casas-Mollano, J.A.	33
Catcheside, D.E.A.	20, 81
Cha, J.	80
Chappuis, M.L.	45
Chen, Z.	143
Cho, J.Y.	87
Chothia, C.	214
Chumakov, S.P.	211
Church, D.M.	218
Clemens, S.	207
Cogoni, C.	32
Coiro, P.	73
Collins, R.A.	177
Collins, R.E.	38

Colombini, M.	113
Conesa, A.	63
Cook, P.F.	222
Cordiglieri, C.	109
Cordova, Y.	63
Cornelissen, B.J.	183
Corrochano, L.M.	93
Court, D.A.	190
Craigen, W.J.	113
Crew, C.M.	42, 43
Cuomo, C.A.	62
Dabrowska, G.	203
Daxinger, L.	144
de Paula, R.M.	213
Debut, A.J.	52
Dejean, L.M.	170
Dementhon, K.	101
Demidov, D.	61
Demir, T.A.	5
Deng, D.F.	113
Deshpande, M.V.	39
Desjardins, G.	30
Dettman, J.R.	93
Diambra, L.A.	14
Dian, E.A.	181
DiCuccio, M.	218
Diernfellner, A.	23, 194
Do, J.K.	98
Dobosy, J.R.	73
Dodd, A.N.	65
Domanska, G.	181
Donofrio, N.	46
Drainas, D.	99
Duarte, M.	93
Duggleby, R.G.	140
Dunlap, J.C.	42, 43, 60, 136, 176, 179, 191
Dupont, A.	27
Duyvesteijn, R.G.	183
Eariss, G.A.	81
Ebbing, B.	76
Edgar, R.	218
Elegado, E.B.	1

Falkeid, G.	96
Faramarzi, M.A.	223
Farkas, K.	206
Farman, M.L.	132
Fathabad, E.G.	223
Federhen, S.	218
Fernandez, A.	67
Figys, J.	186
Filetici, P.	73
Fischer, R.	119
Fleissner, A.	70
Fliegert, R.	109
Fluegel, A.	109
Fraser, P.D.	192
Free, S.J.	18, 19
Freitag, M.	73
Friederich, E.	152
Fujimura, M.	164
Fursov, M.	162
Gale, L.	183
Garcia-Granados, A.	67
Gasser, A.	109
Gessler, N.N.	12
Giannouli, S.	99
Glass, N.L.	49, 101
Glotzer, M.	83
Go, N.E.	200
Goc, A.	203
Goedel, M.	142
Goldbeter, A.	121
Goldfarb, Y.S.	71
Goldin, M.M.	71
Gomer, R.H.	50
Gonzalez, B.H.	100
Gonze, D.	72
Gorovits, R.	197
Greene, A.V.	50
Greenwood, D.J.	102
Grigoriev, S.M.	170
Gross, H.	83
Guse, A.H.	109
Gvozdev, V.A.	112

Hamdi, M.	77
Hanada, S.	155
Haque, T.	151
Harris, S.D.	212
Hartung de Capriles, C.	63
Hasty, J.	21
Hasunuma, K.	127, 224, 225
Haverkamp, R.G.	122
Haw, K.H.	37
He, Q.	80
Heinrich, R.	220
Heitman, J.	89
Helmberg, W.	218
Henn, M.R.	62
Herrera-Estrella, A.	31
Hess, D.	91
Hodgetts, S.J.	26
Hoenger, A.	83
Hogeweg, P.	74
Hohmann, S.	117
Hornby, J.M.	158
Hornok, L.	106
Hoshino, M.	88
Hotta, C.	65
Houben, A.	61
Hu, L.	56
Hubbard, K.E.	65
Hubert, S.K.	79
Hyde, K.D.	29
Hye, K.K.	98
Hyoung, S.K.	98
Hyung, H.L.	98
Ichiishi, A.	164
Imhof, A.	196
Inoue, H.	64, 92, 104, 154, 167
Ishii, C.	154
Isono, K.	64
Isono, S.	64
Iyer, G.	49
Jacobson, D.J.	51
Jeewon, R.	29
Jeney, A.	106

Jeong, J.S.	46
Ji, Y.M.	98
Johnson, L.C.	97
Jung, K.H.	22
Kadotani, N.	155, 156
Kaldi, K.	194
Kanno, T.	144
Karunanthi, T.	193
Kasbekar, D.P.	215
Kato, A.	64
Kawano, C.Y.	157
Kenton, D.L.	218
Keya, U.S.	151
Khovayko, O.	218
Kimura, M.	164
Kinnally, K.W.	170
Kiran, I.	5
Kitakawa, M.	64
Klis, F.M.	48
Kojima, K.	226
Kozjak, V.	141
Krczal, G.	217
Krimmer, T.	181
Krubasik, P.	192
Kuck, U.	163, 175, 176
Kunau, W.H.	195
Kyoung, H.K.	98
Laleye, S.A.	3
Lambowitz, A.M.	149
Lau, S.K.P.	28
Lee, H.C.	80
Legault, P.	30
Leonovich, O.A.	66
Leshkowitz, D.	184
Leslie, J.F.	106
Lew, R.R.	128, 129
Lewis, Z.A.	50
Li, C.-Y.	232
Li, J.-B.	232
Li, Y.	231
Likic, V.A.	35
Lin, X.	56

Lipman, D.J.	218
Lithgow, T.	35
Litvinkova, L.	42, 43
Liu, L.	232
Liu, Q.Y.	179
Liu, Y.	80, 86
Lomascolo, A.	77
Loomis, W.F.	165
Lopes, J.R.	14
Loros, J.J.	54, 60, 176, 179, 191
Lund, F.E.	109
Ma, L.J.	62
Ma, L.J.	183
Macino, G.	58
Mackay, J.P.	122
Madden, T.L.	218
Maglott, D.R.	218
Maier, E.	190
Majumder, S.	169
Mandal, C.	169
Mannella, C.A.	170
Mansour, N.M.	52
Maree, A.F.M.	74
Marques, I.	93
Martinez, A.	67
Martinez-Hernandez, P.	31
Mason, M.	204
Mata-Essayag, S.	63
Matsuura, M.	149
Matthews, J.M.	122
Matthews, R.C.	26
Matzke, A.J.M.	144
Matzke, M.	144
Mayama, S.	155, 156
Mazzotta, G.	143
McCall, M.E.	16
McLaren, M.	177
Meitinger, T.	196
Menna-Barreto, L.S.	14
Mergler, J.	76
Morrow, M.	93, 204

Messerschmitt, M.	142
Metzenberg, R.L.	201
Milenkovic, D.	141
Millar, A.J.	180
Mishima, M.	83
Mitchell, T.	46
Mohan, P.M.	108, 126
Mohr, C.	194
Moreno N.	172
Morgan, L.W.	50
Morris, S.A.	4
Motz, C.	181
Mulhern, T.D.	35
Muller, H.	141
Nagarajan, P.	193
Nagy, A.	206
Nakajima, T.	167
Nargang, F.E.	200
Navarro-Sampedro, L.	93
Neupert, W.	168, 196, 216
Nierman, W.C.	57
Noh, B.	60
Nolan, T.	32
Nowrousian, M.	175, 176
Nummy, K.A.	78, 79
Oefner, P.J.	196
Ogura, Y.	225
Ohkoshi, Y.	148
Ojha, M.	45
Olah, B.	106
Olive, J.E.	177
Oliveira, A. C.	172
Olmedo, M.	93
Olmedo-Monfil, V.	31
Oma, Y.	152
Ortega-Perez, R.	45
Ostell, J.	218
Ouyang, Z.	56
Ozcan, A.S.	5
P. Galland.	44
Pagel, M.	9

Park, G.	42, 43
Park, W.D.	213
Patthy, L.	206
Paulsen, A.T.	182
Penny, D.	41
Penttila, M.	110
Perlman, P.S.	149
Peterson, K.J.	82
Pfanner, N.	141
Pillonel, C.	91
Piwowar, A.	19
Poch, O.	152
Poggeler, S.	159, 160
Pontius, J.U.	218
Poon, W.C.K.	221
Potter, B.V.L.	109
Powell, A.	46
Prassolov, V.S.	211
Pringle, A.	68
Prokisch, H.	196
Prost, J.	27
Pruitt, K.D.	218
Putterill, J.	148
Qian, J.	222
Quoc, N.B.	155
Rabinovich, Y.M.	66
Raju, N.B.	201
Ram, A.F.	48
Randelj, O.	181
Rapaport, D.	168, 196, 216
Rashmi, K.	126
Rassow, J.	181
Ravi Kumar, B.	120
Ravindran, C.	215
Read, N.D.	185, 221
Rehmeyer, C.J.	132
Reidling, J.C.	37
Reinders, J.	76
Ricken, J.	142
Rief, M.	94
Ringelberg, C.	42, 43, 176
Rios-Momberg, M.	31

Rissler, M.	141
Rivas, F.	67
Roberson, R.W.	150
Robson, G.D.	57
Roenneberg, T.	93, 142, 143, 204
Rogniaux, H.	91
Romao M. V. S.	172
Rosa, M. E.	172
Rosales-Saavedra, T.	31
Rossi, A.	205
Rottensteiner, H.	195
Rovina, P.	144
Rudchenko, M.N.	66
Ruoff, P.	96
Ruprich-Robert, G.	201
Said, S.	157
Saier, M.H.	52
Salazar, J.D.	180
Saloheimo, M.	110
Sams, C.E.	102
Schafmeier, T.	24
Scharer, J.M.	161
Scharfe, C.	196
Schliwa, M.	94
Schlunck, T.	196
Schmitt, S.	216
Schonfisch, B.	141
Schriml, L.M.	218
Schubert, I.	61
Schuler, G.D.	218
Se, W.S.	98
Selitrennikoff, C.P.	202
Selker, E.U.	4, 6, 59, 73
Seo, K.S.	50
Sequeira, E.	218
Shabala, L.	129
Shabala, S.N.	129
Shafiee, A.	223
Shen, W.	233
Sherry, S.T.	218
Shulgin, B.V.	180

Sickmann, A.	76
Siddavattam, D.	120
Sigoillot, J.C.	77
Sioud, M.	189
Sirotkin, K.	218
Smith, D.K.	28
Smith, M.L.	147
Soares, G. A. M.	172
Sone, T.	1
Sotani, S.	88
Staben, C.	132
Stainer, R.G.	20
Stamatopoulou, V.	99
Starchenko, G.	218
Stathopoulos, C.	99
Steurs, G.	186
Stoltzner, S.	79
Strahl, B.D.	4
Strub, A.	141
Su, K.L.	98
Su, Y.	232
Subramanyam, C.	120
Sulsky, D.L.	68
Sultana, S.	93
Summers, W.A.	190
Sunde, M.	122
Suzek, T.O.	218
Suzuki, K.	92
Symonds, C.	27
Takakura, C.	92
Takano, Y.	226
Tanaka, C.	226
Tanaka, S.	133
Tassinari, P.	63
Tatusov, R.	218
Tatusova, T.A.	218
Taylor, J.W.	51, 93
Taylor, R.D.	200
Templeton, M.D.	122
Tittmann, P.	83
Tosa, Y.	155
Toumpeki, C.	99

Trejo, E.	63
Tsimring, L.S.	21
Tunali, S.	5
Turgeon, B.G.	47, 166
Turner, G.E.	42, 43
Ukkonen, E.	110
Urrutia, R.	135
Usgaard, T.	183
Ushakova, A.	93
Vallar, L.	152
Vaury, C.	25
Veenhuis, M.	195
Videira, A.	93
Vierstra, R.D.	60
Vierula, J.	19
Vitalini, M.W.	50
Vogt, N.	197
Volfson, D.	21
Volkov, A.G.	71
Vourekas, A.	99
Wagner, G.	109
Wagner, L.	218
Waizenegger, T.	196
Waller, R.F.	35
Wallrath, L.L.	135
Wang, L.	86
Wang, P.	109
Wang, X.	56
Wang, Z.X.	233
Ward, T.J.	183, 187
Webb, A.A.R.	65
Weiss, R.L.	42, 43, 208
West, A.H.	222
Wheals, A.E.	185
Wieczorek, H.	13
Wiedemann, N.	141
Winefield, R.D.	122
Winsor, B.	152
Woehlke, G.	76, 94
Woo, P.C.Y.	28
Wortman, J.R.	57
Wurtz, C.	195

Xiang, Q.	101
Xu, J.	109
Yamagata, Y.	167
Yamaguchi, I.	164
Yang, J.	232
Yang, Y.	80
Yarden, O.	184, 197
Yaschenko, E.	218
Ye, Y.-F.	232
Yeadon, P.J.	20
Yonezawa, K.	64
Yoon, H.J.	98
Yoshida, Y.	127
Yoshino, K.	64
Young, M.M.	161
Yuen, K.-y.	28
Zhang, L.h.	109
Zhang, S.-S.	232
Zhang, X.	38
Zhao, Z.-W.	232
Zheng, H.	56
Zhu, C.	192
Zhuge, J.	233
Zickler, D.	201
Ziv, C.	197
Zivkovic, J.	216
Zizi, M.	186
Zweihorn, C.L.	170

[Return to the FGN 53 Neurospora Bibliography](#)

[Return to FGN 53](#)