Neurospora Bibliography

Craig H. Wilson

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Neurospora Bibliography

Abstract

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1. **Abe, A., Elegado, E.B., and Sone, T.** 2006. Construction of pDESTR, 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 Catcheside, 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
<https://newprairiepress.org/fgn/vol53/iss1/14>
 DOI: 10.4148/1941-4765.1117

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 euascomycetes. 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. **Dykxhoorn, 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., Fernández, 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. **Irmeler, 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 *wcc-1* affects the phase of circadian output. *EMBO Rep.* **7**:199-204.

<https://newprairiepress.org/fgn/Vol53/iss1/14>

DOI: 10.4148/1941-4765.1117

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
<https://newprairiepress.org/fgn/vol53/iss1/14>
 DOI: 10.4148/1941-4765.1117

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 oncom miso 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 knockouts 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.** <https://newprairiepress.org/fgn/vol53/iss1/14>
DOI: 10.4148/1941-4765.1117

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 Oxa1 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.

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