

2008 Neurospora Bibliography

This bibliography represents my attempt to collect all works dealing substantially with *Neurospora*. Please let me know of anything published in 2007 or 2008 that is not included here or in the previous bibliography, so that it might be mentioned next year. I would be especially happy to hear of chapters from books, and articles from journals not indexed in major bibliographic services. Please also let me know of any errors in citation. Please send reprints or copies of articles to the Fungal Genetics Stock Center.

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late addition from 2006:

Holliday, R., and R. B. Flavell. 2006. John Robert Stanley Fincham: 11 August 1926 - 9 February 2005. Biogr. Mem. Fellows R. Soc. **52**:83-95.

[Co-Author Index](#)

1. **Aase, S. O., and P. Ruoff.** 2008. Semi-algebraic optimization of temperature compensation in a general switch-type negative feedback model of circadian clocks. *J. Math. Biol.* **56**:279-292.
2. **Aderiye, B. I., S. A. Laleye, and O. R. Ijalana.** 2008. Soil mycoflora of some commercial ventures in south west Nigeria. *Int. J. Soil Sci.* **3**:42-47.
3. **Aiqing, X.** 2008. Fibrinolytic enzyme produced by *Neurospora sitophila* from the solid fermentation of soybean residue. *Food Ferment. Industries* **34**:77-79.
4. **Akman, O. E., J. C. W. Locke, S. Tang, I. Carre, A. J. Millar, and D. A. Rand.** 2008. Isoform switching facilitates period control in the *Neurospora crassa* circadian clock. *Mol. Syst. Biol.* **4**:Article No. 186.
5. **Alexander, W. G., N. B. Raju, H. Xiao, T. M. Hammond, T. D. Perdue, R. L. Metzenberg, P. J. Pukkila, and P. K. T. Shiu.** 2008. DCL-1 colocalizes with other components of the MSUD machinery and is required for silencing. *Fungal Genet. Biol.* **45**:719-727.
6. **Arotupin, D. J., and F. A. Akinyosoye.** 2008. Microbiological and physicochemical characteristics of cassava cultivated soils. *Res. J. Microbiol.* **3**:41-46.
7. **Baird, N. A., P. D. Etter, T. S. Atwood, M. C. Currey, A. L. Shiver, Z. A. Lewis, E. U. Selker, W. A. Cresko, and E. A. Johnson.** 2008. Rapid SNP discovery and genetic mapping using sequenced RAD markers. *PLoS ONE* **3**:e3376.
8. **Bardiya, N., W. G. Alexander, T. D. Perdue, E. G. Barry, R. L. Metzenberg, P. J. Pukkila, and P. K. T. Shiu.** 2008. Characterization of interactions between and among components of the meiotic silencing by unpaired DNA machinery in *Neurospora crassa* using bimolecular fluorescence complementation. *Genetics* **178**:593-596.
9. **Basile, L. J., R. C. Willson, B. T. Sewell, and M. J. Benedik.** 2008. Genome mining of cyanide-degrading nitrilases from filamentous fungi. *Appl. Microbiol. Biotechnol.* **80**:427-435.
10. **Bay, D. C., J. D. O'Neil, and D. A. Court.** 2008. Two-step folding of recombinant mitochondrial porin in detergent. *Biophys. J.* **94**:457-468.
11. **Bayram, O., S. Krappmann, S. Seiler, N. Vogt, and G. H. Braus.** 2008. *Neurospora crassa* *ve-1* affects asexual conidiation. *Fungal Genet. Biol.* **45**:127-138.
12. **Becker, T., S. Pfannschmidt, B. Guiard, D. Stojanovski, D. Milenkovic, S. Kutik, N. Pfanner, C. Meisinger, and N. Wiedemann.** 2008. Biogenesis of the mitochondrial TOM complex - Mim1 promotes insertion and assembly of signal-anchored receptors. *J. Biol. Chem.* **283**:120-127.
13. **Bhuiyan, M. N. I., T. Mozmader, and T. Rahim.** 2008. Inhibition of growth of *Neurospora crassa* and the same organism by rhizome extracts of *Zingiber officinale*. *Bangladesh J. Sci. Ind. Res.* **43**:117-122.
14. **Bhuiyan, M. N. I., T. Mozmader, and S. Rahman.** 2008. Microbial antagonism and induction of mutation in *Neurospora crassa* by crude leaves extract of *Averrhoa carambola*. *L. Bangladesh J. Sci. Ind. Res.* **42**:483-488.
15. **Bouchard, P., J. Lacroix-Labonte, G. Desjardins, P. Lampron, V. Lisi, S. Lemieux, F. Major, and P. Legault.** 2008. Role of SLV in SLI substrate recognition by the *Neurospora* VS ribozyme. *RNA* **14**:736-748.

16. **Brown, S. C.** 2007. Transcriptional profiling of heterokaryon incompatibility in *Neurospora crassa*. Thesis (Ph.D.)-- University of California. 175 p.
17. **Brunner, M., and K. Kaldi.** 2008. Interlocked feedback loops of the circadian clock of *Neurospora crassa*. *Mol. Microbiol.* **68**:255-262.
18. **Cano-Dominguez, N., K. Alvarez-Delfin, W. Hansberg, and J. Aguirre.** 2008. NADPH oxidases NOX-1 and NOX-2 require the regulatory subunit NOR-1 to control cell differentiation and growth in *Neurospora crassa*. *Eukaryotic Cell* **7**:1352-1361.
19. **Case, M.** 2007. Norman H. Giles (1915-2006). *Fungal Genet. Newslett.* **54**:15.
20. **Casselton, L. A.** 2008. Fungal sex genes - searching for the ancestors. *Bioessays* **30**:711-714.
21. **Castro, A., C. Lemos, A. Falcao, N. L. Glass, and A. Videira.** 2008. Increased resistance of complex I mutants to phytosphingosine-induced programmed cell death. *J. Biol. Chem.* **283**: 19314-19321.
22. **Cha, J., G. Huang, J. Guo, and Y. Liu.** 2007. Posttranslational control of the *Neurospora* circadian clock. *Cold Spring Harb. Symp. Quant. Biol.* **72**:185-191.
23. **Chae, M. S., C. E. Nargang, I. A. Cleary, C. C. Lin, A. T. Todd, and F. E. Nargang.** 2007. Two zinc-cluster transcription factors control induction of alternative oxidase in *Neurospora crassa*. *Genetics* **177**:1997-2006.
24. **Choi, Y. E., and W. B. Shim.** 2008. Functional characterization of *Fusarium verticillioides* *CPP1*, a gene encoding a putative protein phosphatase 2A catalytic subunit. *Microbiology* **154**:326-336.
25. **Chuku, E. C., D. N. Ogbonna, B. A. Onuegbu, and M. T. V. Adeleke.** 2008. Comparative studies on the fungi and bio-chemical characteristics of snake gourd (*Trichosanthes cucurmerina* Linn) and tomato (*Lycopersicon esculentus* Mill) in Rivers State, Nigeria. *J. Appl. Sci.* **8**:168-172.
26. **Cirino, P. C., and L. H. Sun.** 2008. Advancing biocatalysis through enzyme, cellular, and platform engineering. *Biotechnol. Prog.* **24**:515-519.
27. **Cotado-Sampayo, M., P. O. Ramos, R. O. Perez, M. Ojha, and F. Barja.** 2008. Specificity of commercial anti-spectrin antibody in the study of fungal and Oomycete spectrin: Cross-reaction with proteins other than spectrin. *Fungal Genet. Biol.* **45**:1008-1015.
28. **de Paula, R. M., T. M. Lamb, L. Bennett, and D. Bell-Pedersen.** 2008. A connection between MAPK pathways and circadian clocks. *Cell Cycle* **7**:2630-2634.
29. **de Paula, R. M., M. W. Vitalini, R. H. Gomer, and D. Bell-Pedersen.** 2007. Complexity of the *Neurospora crassa* circadian clock system: Multiple loops and oscillators. *Cold Spring Harb. Symp. Quant. Biol.* **72**:345-351.
30. **De Pinto, V., S. Reina, F. Guarino, and A. Messina.** 2008. Structure of the voltage dependent anion channel: state of the art. *J. Bioenerg. Biomembr.* **40**:139-147.
31. **Dent, K. C., B. W. Weber, M. J. Benedik, and B. T. Sewell.** 2008. The cyanide hydratase from *Neurospora crassa* forms a helix which has a dimeric repeat. *Appl. Microbiol. Biotechnol.* doi:10.1007/s00253-008-1735-4
32. **Dettman, J. R., J. B. Anderson, and L. M. Kohn.** 2008. Divergent adaptation promotes reproductive isolation among experimental populations of the filamentous fungus *Neurospora*. *BMC Evol. Biol.* **8**:35
33. **Diernfellner, A., H. V. Colot, O. Dintsis, J. J. Loros, J. C. Dunlap, and M. Brunner.** 2007. Long and short isoforms of *Neurospora* clock protein FRQ support temperature-compensated circadian rhythms. *FEBS Lett.* **581**:5759-5764.
34. **Dogaris, I., G. Vakontios, E. Kalogeris, D. Mamma, and D. Kekos.** 2008. Induction of cellulases and hemicellulases from *Neurospora crassa* under solid-state cultivation for bioconversion of sorghum bagasse into ethanol. *Industrial Crops & Products* doi:10.1016/j.indcrop.2008.07.008.
35. **Dong, W., X. Tang, Y. Yu, R. Nilsen, R. Kim, J. Griffith, J. Arnold, and H. B. Schuttler.** 2008. Systems biology of the clock in *Neurospora crassa*. *PLoS ONE* **3**:e3105.
36. **Dongo, A., N. Bataille-Simoneau, C. Champion, T. Guillemette, B. Hamon, B. Iacomini-Vasilescu, L. Katz, and P. Simoneau.** 2008. The group III two-component histidine kinase of filamentous fungi is involved in the fungicidal activity of the bacterial polyketide ambruticin. *Appl. Environ. Microbiol.* doi:10.1128/AEM.00993-08
37. **Dunlap, J. C.** 2008. Salad days in the rhythms trade. *Genetics* **178**:1-13.
38. **Dunlap, J. C., J. J. Loros, H. V. Colot, A. Mehra, W. J. Belden, M. Shi, C. I. Hong, L. F. Larrondo, C. L. Baker, C. H. Chen, C. Schwerdtfeger, P. D. Collopy, J. J. Gamsby, and R. Lambreghts.** 2007. A circadian clock in *Neurospora*: How genes and proteins cooperate to produce a sustained, entrainable, and compensated biological oscillator with a period of about a day. *Cold Spring Harb. Symp. Quant. Biol.* **72**:57-68.
39. **Efimov, D. V., and A. L. Fradkov.** 2008. Yakubovich's oscillatory of circadian oscillations models. *Math.* <https://newprairiepress.org/tgr/vol55/iss1/13>
DOI: 10.4148/1941-4765.1093

- Biosci. **216**:187-191.
40. **Elstner, M., C. Andreoli, U. Ahting, I. Tetko, T. Klopstock, T. Meitingner, and H. Prokisch.** 2008. MitoP2: an integrative tool for the analysis of the mitochondrial proteome. *Mol. Biotechnol.* **40**:306-315.
 41. **Eren, A., S. Kustimur, A. Kalkanci, S. Unverdi, F. Aktas, and G. T. Sucak.** 2008. Investigation of the effect of constructions in hospital environment on the crucial units for immunocompromised patients and the development of opportunistic mold infections. *Mikrobiyoloji Bulteni* **42**:83-93.
 42. **Espagne, E., O. Lespinet, F. Malagnac, C. Da Silva, O. Jaillon, B. M. Porcel, A. Couloux, J. M. Aury, B. Segurens, J. Poulain, V. Anthouard, S. Grossetete, H. Khalili, E. Coppin, M. Dequard-Chablat, M. Picard, V. Contamine, S. Arnaise, A. Bourdais, V. Berteaux-Lecellier, D. Gautheret, R. P. de Vries, E. Battaglia, P. M. Coutinho, E. G. J. Danchin, B. Henrissat, R. El Khoury, A. Sainsard-Chanet, A. Boivin, B. Pinan-Lucarree, C. H. Sellem, R. Debuchy, P. Wincker, J. Weissenbach, and P. Silar.** 2008. The genome sequence of the model ascomycete fungus *Podospira anserina*. *Genome Biol.* **9**:R77
 43. **Estrada, A. F., and J. Avalos.** 2008. The White Collar protein WcoA of *Fusarium fujikuroi* is not essential for photocarotenogenesis, but is involved in the regulation of secondary metabolism and conidiation. *Fungal Genet. Biol.* **45**:705-718.
 44. **Estrada, A. F., D. Maier, D. Scherzinger, J. Avalos, and S. Al-Babili.** 2008. Novel apocarotenoid intermediates in *Neurospora crassa* mutants imply a new biosynthetic reaction sequence leading to neurosporaxanthin formation. *Fungal Genet. Biol.* **45**:1497-1505.
 45. **Estrada, A. F., L. Youssar, D. Scherzinger, S. Al-Babili, and J. Avalos.** 2008. The *ylo-1* gene encodes an aldehyde dehydrogenase responsible for the last reaction in the *Neurospora* carotenoid pathway. *Mol. Microbiol.* **69**:1207-1220.
 46. **Famarazi, M. A., M. Agheinejad, M. T. Yazdi, M. Amini, and N. Hajarolasuadi.** 2008. Metabolism of androst-4-en-3,17-dione by the filamentous fungus *Neurospora crassa*. *Steroids* **73**:13-18.
 47. **Fleissner, A., A. R. Simonin, and N. L. Glass.** 2008. Cell fusion in the filamentous fungus, *Neurospora crassa*. *Methods Mol. Biol.* **475**:21-38.
 48. **Fox, A. K., B. B. Tuch, and J. H. Chuang.** 2008. Measuring the prevalence of regional mutation rates: an analysis of silent substitutions in mammals, fungi, and insects. *BMC Evol. Biol.* **8**:186.
 49. **Francis, K., and G. Gadda.** 2008. The nonoxidative conversion of nitroethane to ethylnitronate in *Neurospora crassa* 2-nitropropane dioxygenase is catalyzed by histidine 196. *Biochemistry* **47**:9136-9144.
 50. **Freitas, F. Z., A. Chapeaurouge, J. Perales, and M. C. Bertolini.** 2008. A systematic approach to identify STRE-binding proteins of the *gsn* glycogen synthase gene promoter in *Neurospora crassa*. *Proteomics* **8**:2052-2061.
 51. **Gallego, M., and D. M. Virshup.** 2007. Post-translational modifications regulate the ticking of the circadian clock. *Nat. Rev. Mol. Cell Biol.* **8**:139-148.
 52. **Gao, B., and S. Y. Zhu.** 2008. Differential potency of drosomycin to *Neurospora crassa* and its mutant: implications for evolutionary relationship between defensins from insects and plants. *Insect Mol. Biol.* **17**:405-411.
 53. **Gasieniec, L., C. Y. Li, P. Sant, and P. W. Wong.** 2007. Randomized probe selection algorithm for microarray design. *J. Theor. Biol.* **248**:512-521.
 54. **Gessler, N. N., M. N. Rudchenko, and T. A. Belozerskaya.** 2008. Stress factor-induced changes in the activity of antioxidant protective mechanisms in the wild type strain of *Neurospora crassa* and in its photoreceptor complex mutants. *Microbiology* **77**:137-143.
 55. **Golestani-Asl, Y.** 2007. Selektion und charakterisierung ungezielt erzeugter mutanten des hyphenpilzes *Neurospora crassa* mit defekten in der nadh-ubichinon-oxidoreduktase. Thesis (Ph.D.)--Univ. Düsseldorf. vi, 127 p.
 56. **Goncalves, R. P., N. Buzhysnsky, and S. Scheuring.** 2008. Mini review on the structure and supramolecular assembly of VDAC. *J. Bioenerg. Biomembr.* **40**:133-138.
 57. **Gooch, V. D., A. Mehra, L. F. Larrondo, J. Fox, M. Touroutoudis, J. J. Loros, and J. C. Dunlap.** 2008. Fully codon-optimized luciferase uncovers novel temperature characteristics of the *Neurospora* clock. *Eukaryotic Cell* **7**:28-37.
 58. **Goyal, A., P. Saxena, A. Rahman, P. K. Singh, D. P. Kasbekar, R. S. Gokhale, and R. Sankaranarayanan.** 2008. Structural insights into biosynthesis of resorcinolic lipids by a type III polyketide synthase in *Neurospora crassa*. *J. Struct. Biol.* **162**:411-421.
 59. **Hane, J. K., and R. P. Oliver.** 2008. RIPCAL: a tool for alignment-based analysis of repeat-induced point

- mutations in fungal genomic sequences. BMC Bioinformatics **9**:478.
60. **Heise, F.** 2007. subzelluläre verteilung des zentralen uhrenproteins frequency in der circadianen uhr von *Neurospora crassa*. Thesis (Ph.D.)--Heidelberg Univ. vi 134 p.
 61. **Held, M.** 2007. Examining the behaviour of fungal cells in microconfined mazelike structures. Thesis (Ph.D.)--Univ. Imenau. 103 S.
 62. **Henscheid, K. L.** 2007. Functional conservation and RNA binding of the pre-mRNA splicing factor U2AF65. Thesis (Ph.D.)--University of Oregon. 141 p.
 63. **Henscheid, K. L., R. B. Voelker, and J. A. Berglund.** 2008. Alternative modes of binding by U2AF65 at the polypyrimidine tract. Biochemistry **47**:449-459.
 64. **Honda, S., and E. U. Selker.** 2008. Direct interaction between DNA methyltransferase DIM-2 and HP1 is required for DNA methylation in *Neurospora crassa*. Mol. Cell. Biol. **28**:6044-6055.
 65. **Hong, C. I., I. W. Jolma, J. J. Loros, J. C. Dunlap, and P. Ruoff.** 2008. Simulating dark expressions and interactions of *frq* and *wc-1* in the *Neurospora* circadian clock. Biophys. J. **94**:1221-1232.
 66. **Hong, C. I., P. Ruoff, J. J. Loros, and J. C. Dunlap.** 2008. Closing the circadian negative feedback loop: FRQ-dependent clearance of WC-1 from the nucleus. Genes Dev. **22**:3196-3204.
 67. **Huang, G. C., S. Chen, S. J. Li, J. S. Cha, C. Z. Long, L. Li, Q. Y. He, and Y. Liu.** 2007. Protein kinase A and casein kinases mediate sequential phosphorylation events in the circadian negative feedback loop. Genes Dev. **21**:3283-3295.
 68. **Jacobson, D. J., N. B. Raju, and M. Freitag.** 2008. Evidence for the absence of meiotic silencing by unpaired DNA in *Neurospora tetrasperma*. Fungal Genet. Biol. **45**:351-362.
 69. **Jaikaran, D., M. D. Smith, R. Mehdizadeh, J. Olive, and R. A. Collins.** 2008. An important role of G638 in the *cis*-cleavage reaction of the *Neurospora* VS ribozyme revealed by a novel nucleotide analog incorporation method. RNA **14**:938-949.
 70. **Jankowsky, E.** 2007. Biochemistry: indifferent chaperones. Nature **449**:999-1000.
 71. **Jilkine, K., K. M. Gough, R. Julian, and S. G. W. Kaminskyj.** 2008. A sensitive method for examining whole-cell biochemical composition in single cells of filamentous fungi using synchrotron FTIR spectromicroscopy. J. Inorg. Biochem. **102**:540-546.
 72. **Jin, Y. S., X. F. Peng, Y. Z. Liang, and J. Y. Ma.** 2008. Uniform design-based sensitivity analysis of circadian rhythm model in *Neurospora*. Comput. Chem. Eng. **32**:1956-1962.
 73. **Johnson, L. J.** 2007. The genome strikes back: The evolutionary importance of defence against mobile elements. Evol. Biol. **34**:121-129.
 74. **Kamerewerd, J., M. Jansson, M. Nowrousian, S. Poggeler, and U. Kuck.** 2008. Three alpha-subunits of heterotrimeric G proteins and an adenylyl cyclase have distinct roles in fruiting body development in the homothallic fungus *Sordaria macrospora*. Genetics **180**:191-206.
 75. **Kaminskyj, S., K. Jilkine, A. Szeghalmi, and K. Gough.** 2008. High spatial resolution analysis of fungal cell biochemistry - bridging the analytical gap using synchrotron FTIR spectromicroscopy. FEMS Microbiol. Lett. **284**:1-8.
 76. **Karlsson, M., K. Nygren, and H. Johannesson.** 2008. The evolution of the pheromonal signal system and its potential role for reproductive isolation in heterothallic *Neurospora*. Mol. Biol. Evol. **25**:168-178.
 77. **Kasuga, T., and N. L. Glass.** 2008. Dissecting colony development of *Neurospora crassa* using mRNA profiling and comparative genomics approaches. Eukaryotic Cell **7**:1549-1564.
 78. **Kato, T., K. Tomita-Yokotani, T. Suzuki, and K. Hasegawa.** 2008. Effect of sundiversifolide on microbial germination and its distribution and occurrence in the achenes of sunflower (*Helianthus annuus*). Weed Biol. Manag. **8**:124-128.
 79. **Kaur, G., N. Verma, and D. N. Wheatley.** 2008. Comparison of various cell disruption techniques for the extraction of arginase from *Neurospora crassa*. Res. J. Biotechnol. **3**:39-44.
 80. **Kawabata, T. I. H.** 2007. Detection of physical interactions by immunoprecipitation of FLAG- and HA-tagged proteins expressed at the *his-3* locus in *Neurospora crassa*. Fungal Genet. Newslett. **54**:5-8.
 81. **Kazama, Y., C. Ishii, A. L. Schroeder, H. Shimada, M. WakabayaShi, and H. Inoue.** 2008. The *Neurospora crassa* UVS-3 epistasis group encodes homologues of the ATR/ATRIP checkpoint control system. DNA Repair **7**:213-229.
 82. **Kim, T. S., J. G. Booth, H. G. Gauch, Q. Sun, J. Park, Y. H. Lee, and K. Lee.** 2008. Simple sequence repeats in *Neurospora crassa*: distribution, polymorphism and evolutionary inference. BMC Genomics **9**:31.
 83. **Kim, T. S., B. A. Logsdon, S. Park, J. G. Mezey, and K. Lee.** 2007. Quantitative trait loci for the circadian

- clock in *Neurospora crassa*. *Genetics* **177**:2335-2347.
84. **Kiranmayi, P., A. Tiwari, K. P. Sagar, A. Haritha, and P. Maruthi Mohan.** 2008. Functional characterization of *tzn1* and *tzn2*-zinc transporter genes in *Neurospora crassa*. *Biometals*. doi: 10.1007/s10534-008-9177-0
 85. **Ko, W. H., A. I. Nash, and K. H. Gardner.** 2007. A LOVely view of blue light photosensing. *Nat. Chem. Biol.***3**:372-374.
 86. **Koharudin, L. M., A. R. Viscomi, J. G. Jee, S. Ottonello, and A. M. Gronenborn.** 2008. The evolutionarily conserved family of cyanovirin-N homologs: structures and carbohydrate specificity. *Structure* **16**:570-584.
 87. **Konishi, T., T. Kotake, D. Soraya, K. Matsuoka, T. Koyama, S. Kaneko, K. Igarashi, M. Samejima, and Y. Tsumuraya.** 2008. Properties of family 79 beta-glucuronidases that hydrolyze beta-glucuronosyl and 4-O-methyl-beta-glucuronosyl residues of arabinogalactan-protein. *Carbohydr. Res.* **343**:1191-1201.
 88. **Korukluoglu, M., Y. Sahan, and A. Yigit.** 2008. Antifungal properties of olive leaf extracts and their phenolic compounds. *J. Food Safety* **28**:76-87.
 89. **Kothe, E.** 2008. Sexual attraction: On the role of fungal pheromone/receptor systems. *Acta Microbiol. Immunol. Hung.* **55**:125-143.
 90. **Kozma-Bognar, L., and K. Kaldi.** 2008. Synchronization of the fungal and the plant circadian clock by light. *Chembiochem* **9**:2565-2573.
 91. **Kramer, C.** 2007. Isolation of total RNA from *Neurospora* mycelium. *Methods Mol. Biol.* **362**:291-303.
 92. **Kramer, C.** 2007. Rhythmic conidiation in *Neurospora crassa*. *Methods Mol. Biol.* **362**:49-65.
 93. **Kramer, C., and S. K. Crosthwaite.** 2007. Northern analysis of sense and antisense frequency RNA in *Neurospora crassa*. *Methods Mol. Biol.* **362**:329-342.
 94. **Krauss, V.** 2008. Glimpses of evolution: heterochromatic histone H3K9 methyltransferases left its marks behind. *Genetica* **133**:93-106.
 95. **Kwan, A. H., I. Macindoe, P. V. Vukasin, V. K. Morris, I. Kass, R. Gupte, A. E. Mark, M. D. Templeton, J. P. Mackay, and M. Sunde.** 2008. The Cys3-Cys4 loop of the hydrophobin EAS is not required for rodlet formation and surface activity. *J. Mol. Biol.* **382**:708-720.
 96. **Lamb, J. S., B. D. Zoltowski, S. A. Pabit, B. R. Crane, and L. Pollack.** 2008. Time-resolved dimerization of a PAS-LOV protein measured with photocoupled small angle X-ray scattering. *J. Am. Chem. Soc.* **130**:12226-12227.
 97. **Lambreghts, R., M. Shi, W. J. Belden, D. Decaprio, D. Park, M. R. Henn, J. E. Galagan, M. Basturkmen, B. W. Birren, M. S. Sachs, J. C. Dunlap, and J. J. Loros.** 2008. A high-density SNP map for *Neurospora crassa*. *Genetics*. doi:10.1534/genetics.108.089292
 98. **Lavin, J. L., J. A. Oguiza, L. Ramirez, and A. G. Pisabarro.** 2008. Comparative genomics of the oxidative phosphorylation system in fungi. *Fungal Genet. Biol.* **45**:1248-1256.
 99. **Lerch, J.** 2008. Aktivität von hAT-transposonen in *Neurospora crassa*. Thesis (Ph.D.)--Univ. Diplomarbeit--Kiel. 107 Bl.
 100. **Lew, R. R., Z. Abbas, M. I. Anderca, and S. J. Free.** 2008. Phenotype of a mechanosensitive channel mutant, *mid-1*, in a filamentous fungus, *Neurospora crassa*. *Eukaryotic Cell* **7**:647-655.
 101. **Li, L.** 2007. G protein coupled receptors in *Neurospora crassa*. Thesis (Ph. D.)--University of California, Riverside. xv, 227 p.
 102. **Li, S.** 2008. Molecular mechanism of a FRQ-less oscillator (FLO) in the *chol-1* mutant of *Neurospora crassa*. Thesis (Ph.D.)--York University. 196 p.
 103. **Lipfert, J., J. Ouellet, D. G. Norman, S. Doniach, and D. M. J. Lilley.** 2008. The complete VS ribozyme in solution studied by small-angle X-ray scattering. *Structure* **16**:1357-1367.
 104. **Liu, F. F., S. K. Ng, Y. F. Lu, W. Low, J. Lai, and G. Jedd.** 2008. Making two organelles from one: Woronin body biogenesis by peroxisomal protein sorting. *J. Cell Biol.* **180**:325-339.
 105. **Loros, J. J., J. C. Dunlap, L. F. Larrondo, M. Shi, W. J. Belden, V. D. Gooch, C. H. Chen, C. L. Baker, A. Mehra, H. V. Colot, C. Schwerdtfeger, R. Lambreghts, P. D. Collopy, J. J. Gamsby, and C. I. Hong.** 2007. Circadian output, input, and intracellular oscillators: insights into the circadian systems of single cells. *Cold Spring Harb. Symp. Quant. Biol.* **72**:201-214.
 106. **Mackey, S. R.** 2007. Biological Rhythms Workshop IA: molecular basis of rhythms generation. *Cold Spring Harb. Symp. Quant. Biol.* **72**:7-19.
 107. **Madeti Jyothi-Boesl, C.** 2008. The clock in the cell entrainment of the circadian clock in *Neurospora crassa*. Thesis (Ph.D.)--University of Groningen. 139 p.
 108. **Maerz, S., C. Ziv, N. Vogt, K. Helmstaedt, N. Cohen, R. Gorovits, O. Yarden, and S. Seiler.** 2008. The

- nuclear Dbf2-related kinase COT1 and the mitogen-activated protein kinases MAK1 and MAK2 genetically interact to regulate filamentous growth, hyphal fusion and sexual development in *Neurospora crassa*. *Genetics* **179**:1313-1325.
109. **Maggi, L., V. Mazzoleni, M. D. Fumi, and M. R. Salinas.** 2008. Transformation ability of fungi isolated from cork and grape to produce 2,4,6-trichloroanisole from 2,4,6-trichlorophenol. *Food Addit. Contam.* **25**:265-269.
 110. **Maheshwari, R.** 2008. David D Perkins: In Memoriam. *Resonance* **13**:28-34.
 111. **Maheshwari, R., and A. Navaraj.** 2008. Senescence in fungi: the view from *Neurospora*. *FEMS Microbiol. Lett.* **280**:135-143.
 112. **Mamma, D., E. Kourtoglou, and P. Christakopoulos.** 2008. Fungal multienzyme production on industrial by-products of the citrus-processing industry. *Bioresour. Technol.* **99**:2373-2383.
 113. **Managadze, D.** 2007. Biogenesis of microbodies in the filamentous fungus *Neurospora crassa*. Thesis (Ph.D.)--Ruhr University of Bochum. xii, 146 p.
 114. **Managadze, D., C. Wurtz, M. Sichting, G. Niehaus, M. Veenhuis, and H. Rottensteiner.** 2007. The peroxin PEX14 of *Neurospora crassa* is essential for the biogenesis of both glyoxysomes and Woronin bodies. *Traffic* **8**:687-701.
 115. **Mannella, C. A., and K. W. Kinnally.** 2008. Reflections on VDAC as a voltage-gated channel and a mitochondrial regulator. *J. Bioenerg. Biomembr.* **40**:149-155.
 116. **Marques, I., N. A. Dencher, A. Videira, and F. Krause.** 2007. Supramolecular organization of the respiratory chain in *Neurospora crassa* mitochondria. *Eukaryotic Cell* **6**:2391-2405.
 117. **Marx, A., J. Müller, E.-M. Mandelkow, G. Woehlke, C. Bouchet-Marquis, A. Hoenger, and E. Mandelkow.** 2008. X-ray structure and microtubule interaction of the motor domain of *Neurospora crassa* NcKin3, a kinesin with unusual processivity. *Biochemistry* **47**:1848-1861.
 118. **Mathur, R.** 2008. Understanding FLOs and the FWO in *Neurospora crassa*. Thesis (M.S.)--Dartmouth Medical School. vii, 66 p.
 119. **Matsushima, Y., R. Sugiura, and T. Kuno.** 2007. Studies on fungal Pumilio gene family through mining multiple genome-scale data sets. *Kobe J. Med. Sci.* **53**:163-169.
 120. **McCluskey, K., S. A. Walker, R. L. Yedlin, D. Madole, and M. Plamann.** 2007. Complementation of *un-16* and the development of a selectable marker for transformation of *Neurospora crassa*. *Fungal Genet. Newslett.* **54**:9-11.
 121. **McDonald, A. E.** 2008. Alternative oxidase: an inter-kingdom perspective on the function and regulation of this broadly distributed 'cyanide-resistant' terminal oxidase. *Funct. Plant Biol.* **35**:535-552.
 122. **Melino, G., P. Nicotera, and G. Macino.** 2007. In the beginning there was RNA, then came transcription regulation: the Nobel Prize Lectures 2006. *Cell Death Differ.* **14**:1975-1976.
 123. **Menkis, A., D. J. Jacobson, T. Gustafsson, and H. Johannesson.** 2008. The mating-type chromosome in the filamentous ascomycete *Neurospora tetrasperma* represents a model for early evolution of sex chromosomes. *PLoS Genet.* **4**:e1000030.
 124. **Merrow, M., and T. Roenneberg.** 2007. Circadian entrainment of *Neurospora crassa*. *Cold Spring Harb. Symp. Quant. Biol.* **72**:279-285.
 125. **Mewes, H. W., S. Dietmann, D. Frishman, R. Gregory, G. Mannhaupt, K. F. X. Mayer, M. Munsterkotter, A. Ruepp, M. Spannagl, V. Stuempflen, and T. Rattei.** 2008. MIPS: analysis and annotation of genome information in 2007. *Nucleic Acids Res.* **36**:D196-D201.
 126. **Meyer, V.** 2008. Genetic engineering of filamentous fungi - Progress, obstacles and future trends. *Biotechnol. Adv.* **26**:177-185.
 127. **Mohr, G., M. Del Campo, S. Mohr, Q. S. Yang, H. J. Jia, E. Jankowsky, and A. M. Lambowitz.** 2008. Function of the C-terminal domain of the DEAD-box protein Mss116p analyzed in vivo and in vitro. *J. Mol. Biol.* **375**:1344-1364.
 128. **Moriwaki, A., H. Katsube, M. Ueno, S. Arase, and J. Kihara.** 2008. Cloning and characterization of the BLR2, the homologue of the blue-light regulator of *Neurospora crassa* WC-2, in the phytopathogenic fungus *Bipolaris oryzae*. *Curr. Microbiol.* **56**:115-121.
 129. **Mumbi, C. T., R. Marchant, H. Hooghiemstra, and M. J. Wooller.** 2008. Late Quaternary vegetation reconstruction from the Eastern Arc Mountains, Tanzania. *Quat. Res.* **69**:326-341.
 130. **Nagy, B.** 2008. Analysis of the biological clock of *Neurospora*. *J. Comput. Appl. Math.* <https://newprairiepress.org/fgr/vol55/iss1/13>
DOI: 10.4148/1941-4765.1093

doi:10.1016/j.cam.2008.08.006

131. **Nair, N. U., and H. Zhao.** 2008. Evolution in reverse: engineering a D-xylose-specific xylose reductase. *Chembiochem* **9**:1213-1215.
132. **Nargang, F. E., and D. Rapaport.** 2007. *Neurospora crassa* as a model organism for mitochondrial biogenesis. *Methods Mol. Biol.* **372**:107-123.
133. **Navarro-Sampedro, L., C. Yanofsky, and L. M. Corrochano.** 2008. A genetic selection for *Neurospora crassa* mutants altered in their light regulation of transcription. *Genetics* **178**:171-183.
134. **Neiss, A., T. Schafmeier, and M. Brunner.** 2008. Transcriptional regulation and function of the *Neurospora* clock gene white collar 2 and its isoforms. *EMBO Rep.* **9**:788-794.
135. **Nolan, T., G. Cecere, C. Mancone, T. Alonzi, M. Tripodi, C. Catalanotto, and C. Cogoni.** 2008. The RNA-dependent RNA polymerase essential for post-transcriptional gene silencing in *Neurospora crassa* interacts with replication protein A. *Nucleic Acids Res.* **36**:532-538.
136. **Nowrousian, M.** 2007. *Neurospora crassa* als modellorganismus im „postgenomischen“ zeitalter [*Neurospora crassa* as a model organism in the "postgenomic" era]. *Biospektrum* **13**:708-712.
137. **Owuor, E. A.** 2007. Studies of the structures, biosynthesis and function of fungal glycosphingolipids. Thesis (M.S.)—Univ. New Hampshire. 69 p.
138. **Paietta, J. V.** 2008. DNA-binding specificity of the CYS3 transcription factor of *Neurospora crassa* defined by binding-site selection. *Fungal Genet. Biol.* **45**:1166-1171.
139. **Park, G., S. Pan, and K. A. Borkovich.** 2008. A MAP kinase cascade required for regulation of development and secondary metabolism in *Neurospora crassa*. *Eukaryot Cell.* doi:10.1128/EC.00466-07
140. **Paukstelis, P. J., J. H. Chen, E. Chase, A. M. Lambowitz, and B. L. Golden.** 2008. Structure of a tyrosyl-tRNA synthetase splicing factor bound to a group I intron RNA. *Nature* **451**:94-97.
141. **Paukstelis, P. J., and A. M. Lambowitz.** 2008. Identification and evolution of fungal mitochondrial tyrosyl-tRNA synthetases with group I intron splicing activity. *Proc. Natl. Acad. Sci. U.S.A.* **105**:6010-6015.
142. **Pereira, M. J. B., E. N. Nikolova, S. L. Hiley, D. Jaikaran, R. A. Collins, and N. G. Walter.** 2008. Single VS ribozyme molecules reveal dynamic and hierarchical folding toward catalysis. *J. Mol. Biol.* **382**:496-509.
143. **Pinto, D., M. Duarte, S. Soares, M. Tropschug, and A. Videira.** 2008. Identification of all FK506-binding proteins from *Neurospora crassa*. *Fungal Genet Biol.* **45**:1600-1607.
144. **Pires, J. M. C., H. Pereira, and M. V. San-Romao.** 2007. Study of humidity and water activity of cork slabs during cork stopper manufacturing process - preliminary results. *Ciencia E Tecnica Vitivinicola* **22**:15-20.
145. **Plesofsky, N. S., S. B. Levery, S. A. Castle, and R. Brambl.** 2008. Stress-induced cell death is mediated by ceramide synthesis in *Neurospora crassa*. *Eukaryot Cell.* doi:10.1128/EC.00147-08
146. **Pomraning, K. R., K. M. Smith, and M. Freitag.** 2008. Genome-wide high throughput analysis of DNA methylation in eukaryotes. *Methods.* doi:10.1016/j.ymeth.2008.09.022
147. **Popov-Celektic, J., T. Waizenegger, and D. Rapaport.** 2008. Mim1 functions in an oligomeric form to facilitate the integration of Tom20 into the mitochondrial outer membrane. *J. Mol. Biol.* **376**:671-680.
148. **Potapova, T. V., T. A. Alekseevskii, and L. Y. Boitsova.** 2008. The growth of the isolated hyphal apices of *Neurospora crassa* under carbon starvation. *Dokl. Biol. Sci.* **421**:278-281.
149. **Potapova, T. V., T. A. Alexeevskii, and L. J. Boitzova.** 2008. Tip growth of *Neurospora crassa* during glucose deprivation. *Biochemistry Mosc. Suppl. Series A: Membr. Cell Biol.* **2**:210-216. [Original Russian text published in *Biologicheskie Membrany* 25(4):252–258]
150. **Poynor, M., R. Eckert, and S. Nussberger.** 2008. Dynamics of the preprotein translocation channel of the outer membrane of mitochondria. *Biophys. J.* **95**:1511-1522.
151. **Querfurth, C., A. Diernfellner, F. Heise, L. Lauinger, A. Neiss, O. Tataroglu, M. Brunner, and T. Schafmeier.** 2007. Posttranslational regulation of *Neurospora* circadian clock by CK1a-dependent phosphorylation. *Cold Spring Harb. Symp. Quant. Biol.* **72**:177-183.
152. **Radford, A., N. B. Raju, and D. J. Jacobson.** 2007. David Dexter Perkins (1919-2007). *Fungal Genet. Newslett.* **54**:14.
153. **Raju, N. B.** 2008. David D. Perkins (1919-2007): a lifetime of *Neurospora* genetics. *Resonance* **13**:12-27.
154. **Raju, N. B.** 2007. David D. Perkins (1919-2007): a lifetime of *Neurospora* genetics. *J. Genet.* **86**:177-186.
155. **Raju, N. B.** 2008. Meiosis and ascospore development in *Cochliobolus heterostrophus*. *Fungal Genet. Biol.* **45**:554-564.
156. **Raju, N. B.** 2008. Six decades of *Neurospora* ascus biology at Stanford. *Fungal Biol. Rev.* **22**:26-35.
157. **Rasmussen, C. G.** 2007. Characterization of genes required for septation and fusion in *Neurospora crassa*.

- Thesis (Ph.D.)—University of California. 188 p.
158. **Rasmussen, C. G., R. M. Morgenstein, S. Peck, and N. L. Glass.** 2008. Lack of the GTPase RHO-4 in *Neurospora crassa* causes a reduction in numbers and aberrant stabilization of microtubules at hyphal tips. *Fungal Genet. Biol.* **45**:1027-1039.
 159. **Rathert, P., X. Cheng, and A. Jeltsch.** 2007. Continuous enzymatic assay for histone lysine methyltransferases. *Biotechniques* **43**:602, 604, 606 passim.
 160. **Rathert, P., X. Zhang, C. Freund, X. Cheng, and A. Jeltsch.** 2008. Analysis of the substrate specificity of the Dim-5 histone lysine methyltransferase using peptide arrays. *Chem. Biol.* **15**:5-11.
 161. **Rauch, G., H. Ehammer, S. Bornemann, and P. Macheroux.** 2008. Replacement of two invariant serine residues in chorismate synthase provides evidence that a proton relay system is essential for intermediate formation and catalytic activity. *FEBS J.* **275**:1464-1473.
 162. **Read, N. D.** 2007. Environmental sensing and the filamentous fungal lifestyle. In: *Fungi and their Environment* (ed. G.M. Gadd, S.C. Watkinson and P.S. Dyer.), pp. 38-57. Cambridge University Press.
 163. **Rehman, S., A. S. Shawl, A. Kour, R. Andrabi, P. Sudan, P. Sultan, V. Verma, and G. N. Qazi.** 2008. An endophytic *Neurospora sp.* from *Nothapodytes foetida* producing camptothecin. *Appl. Biochem. Microbiol.* **44**:203-209.
 164. **Rémi, J.** 2007. The circadian surface of *Neurospora crassa* from physiology to molecular mechanisms. Thesis (Ph.D.)—München Univ. 101 S.
 165. **Ripperger, J. A.** 2007. The rhythms of life. *Genome Biol.* **8**:313.1-313.3.
 166. **Riquelme, M., and S. Bartnicki-García.** 2008. Advances in understanding hyphal morphogenesis: Ontogeny, phylogeny and cellular localization of chitin synthases. *Fungal Biol. Rev.* **22**:56-70.
 167. **Roenneberg, T., E. J. Chua, R. Bernardo, and E. Mendoza.** 2008. Modelling biological rhythms. *Curr. Biol.* **18**:R826-R835.
 168. **Rostovtseva, T. K., and S. M. Bezrukov.** 2008. VDAC regulation: role of cytosolic proteins and mitochondrial lipids. *J. Bioenerg. Biomembr.* **40**:163-170.
 169. **Rubin-Pitel, S. B., H. Zhang, T. Vu, J. S. Brunzelle, H. Zhao, and S. K. Nair.** 2008. Distinct structural elements dictate the specificity of the type III pentaketide synthase from *Neurospora crassa*. *Chem. Biol.* **15**:1079-1090.
 170. **Saelices, L., L. Youssar, I. Holdermann, S. Al-Babili, and J. Avalos.** 2007. Identification of the gene responsible for torulene cleavage in the *Neurospora* carotenoid pathway. *Mol. Genet. Genomics* **278**:527-537.
 171. **Sandmann, G., S. Takaichi, and P. D. Fraser.** 2008. C(35)-apocarotenoids in the yellow mutant *Neurospora crassa* YLO. *Phytochemistry* **69**:2886-2890.
 172. **Sato, M., T. Niki, T. Tokou, K. Suzuki, M. Fujimura, and A. Ichiishi.** 2008. Genetic analysis of the *Neurospora crassa* RAD14 homolog *mus-43* and the RAD10 homolog *mus-44* reveals that they belong to the *mus-38* pathway of two nucleotide excision repair systems. *Genes Genet. Syst.* **83**:1-11.
 173. **Schmoll, M.** 2008. The information highways of a biotechnological workhorse--signal transduction in *Hypocrea jecorina*. *BMC Genomics* **9**:430.
 174. **Selker, E. U.** 2008. Robert L. Metzenberg, June 11, 1930-July 15, 2007: Geneticist extraordinaire and "Model Human". *Genetics* **178**:611-619.
 175. **Shanker, A., A. Singh, and V. Sharma.** 2008. Erratum to "In silico mining in expressed sequences of *Neurospora crassa* for identification and abundance of microsatellites": [*Microbiol. Res.* 162 (2007) 250–256]. *Microbiol. Res.* **163**:120.
 176. **Shen, Y. Q., and G. Burger.** 2008. Plasticity of a key metabolic pathway in fungi. *Funct. Integr. Genomics*. doi:10.1007/s10142-008-0095-6
 177. **Shi, M.** 2008. Circadian and non-circadian oscillators in *Neurospora crassa*. Thesis (Ph.D.)--Dartmouth Medical School. xii, 132 p.
 178. **Shi, M., L. F. Larrondo, J. J. Loros, and J. C. Dunlap.** 2007. A developmental cycle masks output from the circadian oscillator under conditions of choline deficiency in *Neurospora*. *Proc. Natl. Acad. Sci. U.S.A.* **104**:20102-20107.
 179. **Silva, F., E. Navarro, A. Penaranda, L. Murcia-Flores, S. Torres-Martinez, and V. Garre.** 2008. A RING-finger protein regulates carotenogenesis via proteolysis-independent ubiquitylation of a White Collar-1-like activator. *Mol. Microbiol.* **70**:1026-1036.

180. **Singh, P. K., and D. P. Kasbekar.** 2008. Titration of repeat-induced point mutation (RIP) by chromosome segment duplications in *Neurospora crassa*. *Genetica* **134**:267-275.
181. **Skamnioti, P., R. F. Furlong, and S. J. Gurr.** 2008. Evolutionary history of the ancient cutinase family in five filamentous Ascomycetes reveals differential gene duplications and losses and in *Magnaporthe grisea* shows evidence of sub- and neo-functionalization. *New Phytol.* **180**:711-721.
182. **Smith, K. M., G. O. Kothe, C. B. Matsen, T. K. Khlafallah, K. K. Adhvaryu, M. Hemphill, M. Freitag, M. R. Motamedi, and E. U. Selker.** 2008. The fungus *Neurospora crassa* displays telomeric silencing mediated by multiple sirtuins and by methylation of histone H3 lysine 9. *Epigenetics Chromatin* **1**:5.
183. **Smith, M. D., R. Mehdizadeh, J. E. Olive, and R. A. Collins.** 2008. The ionic environment determines ribozyme cleavage rate by modulation of nucleobase pK(a). *RNA* **14**:1942-1949.
184. **Smith, R. P., and M. L. Smith.** 2007. Two yeast plasmids that confer nourseothricin-dihydrogen sulfate and hygromycin B resistance in *Neurospora crassa* and *Cryphonectria parasitica*. *Fungal Genet. Newslett.* **54**:12-13.
185. **Somers, D. E., S. Fujiwara, W. Y. Kim, and S. S. Suh.** 2007. Posttranslational photomodulation of circadian amplitude. *Cold Spring Harb. Symp. Quant. Biol.* **72**:193-200.
186. **Sowemimo, A. A., R. Edrada-Ebel, R. Ebel, P. Proksch, O. R. Omobuwajo, and S. A. Adesanya.** 2008. Major constituents of the predominant endophytic fungi from the Nigerian plants *Bryophyllum pinnatum*, *Morinda lucida* and *Jathropha gossypifolia*. *Natural Product Communications* **3**:1217-1222.
187. **Stojanovski, D., B. Guiard, V. Kozjak-Pavlovic, N. Pfanner, and C. Meisinger.** 2007. Alternative function for the mitochondrial SAM complex in biogenesis of alpha-helical TOM proteins. *J. Cell Biol.* **179**:881-893.
188. **Suei, S., and A. Garrill.** 2008. An F-actin-depleted zone is present at the hyphal tip of invasive hyphae of *Neurospora crassa*. *Protoplasma* **232**:165-172.
189. **Sullivan, R., and H. Zhao.** 2007. Cloning, characterization, and mutational analysis of a highly active and stable L-arabinitol 4-dehydrogenase from *Neurospora crassa*. *Appl. Microbiol. Biotechnol.* **77**:845-852.
190. **Sun, Z.** 2007. Imidazoline receptors in insulin signaling and metabolic regulation. Thesis (Ph.D.)--Case Western Reserve University. iii, 207 p.
191. **Sunde, M., A. H. Y. Kwan, M. D. Templeton, R. E. Beever, and J. P. Mackay.** 2008. Structural analysis of hydrophobins. *Micron* **39**:773-784.
192. **Suydam, I. T., and S. A. Strobel.** 2008. Fluorine substituted adenosines as probes of nucleobase protonation in functional RNAs. *J. Am. Chem. Soc.* **130**:13639-13648.
193. **Suzuki, M. M., and A. Bird.** 2008. DNA methylation landscapes: provocative insights from epigenomics. *Nat. Rev. Genet.* **9**:465-476.
194. **Sveric, K., M. Mason, T. Roenneberg, and M. Merrow.** 2007. Novel strategies for identification of clock genes in *Neurospora* with insertional mutagenesis. *Methods Mol. Biol.* **362**:173-185.
195. **Tamuli, R., and D. P. Kasbekar.** 2008. Dominant suppression of repeat-induced point mutation in *Neurospora crassa* by a variant catalytic subunit of DNA polymerase-zeta. *Genetics* **178**:1169-1176.
196. **Tanaka, S., N. Takayanagi, K. Murasawa, C. Ishii, and H. Inoue.** 2007. Genetic and molecular analysis of the temperature-sensitive mutant *un-17* carrying a mutation in the gene encoding poly(A)-polymerase in *Neurospora crassa*. *Genes Genet. Syst.* **82**:447-454.
197. **Tavano, O. L., B. C. C. Pessela, A. J. Goulart, R. Fernandez-Lafuente, J. M. Guisan, and R. Monti.** 2008. Stabilization of an amylase from *Neurospora crassa* by immobilization on highly activated supports. *Food Biotechnol.* **22**:262-275.
198. **Taylor, J. W., E. Turner, A. Pringle, J. Dettman and H. Johannesson.** 2007. Fungal species: thoughts on their recognition, maintenance and selection. In: *Fungi and their Environment* (ed. G.M. Gadd, S.C. Watkinson and P.S. Dyer.), pp. 313-339. Cambridge University Press.
199. **Tewari, S., J. Arnold, and S. M. Bhandarkar.** 2008. Likelihood of a particular order of genetic markers and the construction of genetic maps. *J. Bioinform. Comput. Biol.* **6**:125-162.
200. **Thompson, S., N. J. Croft, A. Sotiriou, H. D. Piggins, and S. K. Crosthwaite.** 2008. *Neurospora crassa* heat shock factor 1 is an essential gene; a second heat shock factor-like gene, *hsf2*, is required for asexual spore formation. *Eukaryotic Cell* **7**:1573-1581.
201. **Uchida, M.** 2007. The roles of microtubules in fungal cell growth and morphogenesis. Thesis (Ph.D.)--Arizona State University. xii, 119 p.
202. **Uchida, M., R. R. Mourino-Perez, M. Freitag, S. Bartnicki-Garcia, and R. W. Roberson.** 2008. Microtubule dynamics and the role of molecular motors in *Neurospora crassa*. *Fungal Genet. Biol.* **45**:683-692.
203. **Vaissiere, T., C. Sawan, and Z. Herceg.** 2008. Epigenetic interplay between histone modifications and DNA

- methylation in gene silencing. *Mutat. Res. Rev. Mutat. Res.* **659**:40-48.
204. **Van der Giezen, M.** 2007. Protein targeting protocols. Totowa, N.J.: Humana Press 2nd ed. 501 p.
 205. **Veerappan, C. S., Z. Avramova, and E. N. Moriyama.** 2008. Evolution of SET-domain protein families in the unicellular and multicellular Ascomycota fungi. *BMC Evol. Biol.* **8**:190.
 206. **Vicens, Q., P. J. Paukstelis, E. Westhof, A. M. Lambowitz, and T. R. Cech.** 2008. Toward predicting self-splicing and protein-facilitated splicing of group I introns. *RNA* **14**:2013-2029.
 207. **Vitalini, M. W.** 2007. Uncovering the circadian output pathways of *Neurospora crassa*. Thesis (Ph.D.)--Texas A&M University. 151 p.
 208. **Vitorino, S. I., E. S. G. Neves, F. Gaspar, J. J. F. Marques, and M. V. S. Romao.** 2007. Suberin utilization by *Chrysonilia sitophila*: Evidence for lipolytic enzymes production. *Ciencia E Tecnica Vitivinicola* **22**:1-4.
 209. **Vogt, N., and S. Seiler.** 2008. The RHO1-specific GTPase-activating protein LRG1 regulates polar tip growth in parallel to Ndr kinase signaling in *Neurospora*. *Mol. Biol. Cell* **19**:4554-4569.
 210. **Wakabayashi, M., C. Ishii, H. Inoue, and S. Tanaka.** 2008. Genetic analysis of CHK1 and CHK2 homologues revealed a unique cross talk between ATM and ATR pathways in *Neurospora crassa*. *DNA Repair (Amst)* **7**:1951-1961.
 211. **Watanabe, S., K. Yamashita, N. Ochiai, F. Fukumori, A. Ichiishi, M. Kimura, and M. Fujimura.** 2007. OS-2 mitogen activated protein kinase regulates the clock-controlled gene *ccg-1* in *Neurospora crassa*. *Biosci. Biotechnol. Biochem.* **71**:2856-2859.
 212. **Wichmann, G., J. Sun, K. Dementhon, N. L. Glass, and S. E. Lindow.** 2008. A novel gene, *phcA* from *Pseudomonas syringae* induces programmed cell death in the filamentous fungus *Neurospora crassa*. *Mol. Microbiol.* **68**:672-689.
 213. **Wik, L., M. Karlsson, and H. Johannesson.** 2008. The evolutionary trajectory of the mating-type (*mat*) genes in *Neurospora* relates to reproductive behavior of taxa. *BMC Evol. Biol.* **8**:109.
 214. **Wu, C., N. Amrani, A. Jacobson, and M. S. Sachs.** 2007. The use of fungal in vitro systems for studying translational regulation. *Methods Enzymol.* **429**:203-225.
 215. **Wu, X., J. Peng, and S. Liu.** 2008. Isolation, identification and biological characteristics of white *Neurospora sitophila* from polluted mushroom. *Edible Fungi of China* **27**(3):58-60.
 216. **Würtz, C.** 2007. Biogenesis of glyoxysomes and Woronin bodies in *Neurospora crassa*. Thesis (Ph.D.)-- Ruhr University of Bochum. ix, 131 p.
 217. **Xiros, C., E. Topakas, P. Katapodis, and P. Christakopoulos.** 2008. Hydrolysis and fermentation of brewer's spent grain by *Neurospora crassa*. *Bioresour. Technol.* **99**:5427-5435.
 218. **Yamashita, K., A. Shiozawa, S. Banno, F. Fukumori, A. Ichiishi, M. Kimura, and M. Fujimura.** 2007. Involvement of OS-2 AUT kinase in regulation of the large-subunit catalases CAT-1 and CAT-3 in *Neurospora crassa*. *Genes Genet. Syst.* **82**:301-310.
 219. **Yamashita, K., A. Shiozawa, S. Watanabe, F. Fukumori, M. Kimura, and M. Fujimura.** 2008. ATF-1 transcription factor regulates the expression of *ccg-1* and *cat-1* genes in response to fludioxonil under OS-2 MAP kinase in *Neurospora crassa*. *Fungal Genet Biol.* **45**:1562-1569.
 220. **Yang, X. Q., Q. Zhao, and T. H. Fu.** 2008. [Ordered tetrad analysis of two genes in *Neurospora*]. *Yi Chuan* **30**:801-806.
 221. **Yoshida, Y., T. Maeda, B. Lee, and K. Hasunuma.** 2008. Conidiation rhythm and light entrainment in superoxide dismutase mutant in *Neurospora crassa*. *Mol. Genet. Genomics* **279**:193-202.
 222. **Youssar, L., and J. Avalos.** 2007. Genetic basis of the *ovc* phenotype of *Neurospora*: identification and analysis of a 77 kb deletion. *Curr Genet* **51**:19-30.
 223. **Zhang, Z. H., Y. B. Qu, X. Zhang, and J. Q. Lin.** 2008. Effects of oxygen limitation on xylose fermentation, intracellular metabolites, and key enzymes of *Neurospora crassa* AS3.1602. *Appl. Biochem. Biotechnol.* **145**:39-51.
 224. **Zhao, H., R. Woodyer, M. Simurdiak, and W. A. van der Donk.** Jun 3 2008 2008. Highly active xylose reductase from *Neurospora crassa* patent US 07381553.
 225. **Ziv, C., R. Gorovits, and O. Yarden.** 2008. Carbon source affects PKA-dependent polarity of *Neurospora crassa* in a CRE-1-dependent and independent manner. *Fungal Genet. Biol.* **45**:103-116.
 226. **Zoltowski, B. D., and B. R. Crane.** 2008. Light activation of the LOV protein Vivid generates a rapidly exchanging dimer. *Biochemistry* **47**:7012-7019.
 227. **Zongcai, T.** 2008. Study on production of high-activity dietary fiber from soybean dregs in *Neurospora crassa*.

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