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Biology Department Publications: 2000

Abe, M., Herzog, E. D., & Block, G. D. (2000). Lithium lengthens the circadian period of individual suprachiasmatic nucleus neurons. *Neuroreport*, 11(14), 3261–3264.

<https://doi.org/10.1097/00001756-200009280-00042>

Allen, G. E. (2000). The reception of mendelism in the united states, 1900-1930. *Comptes Rendus de l'Academie Des Sciences. Serie III, Sciences de La Vie*, 323(12), 1081–1088.

[https://doi.org/10.1016/s0764-4469\(00\)01254-3](https://doi.org/10.1016/s0764-4469(00)01254-3)

Beachy, R. N., & Heinlein, M. (2000). Role of p30 in replication and spread of tmv. *Traffic*, 1(7), 540–544. <https://doi.org/10.1034/j.1600-0854.2000.010703.x>

Beckett, C. S., Loughman, J. A., Karberg, K. A., Donato, G. M., Goldman, W. E., & Kranz, R. G. (2000). Four genes are required for the system II cytochrome c biogenesis pathway in bordetella pertussis, a unique bacterial model. *Molecular Microbiology*, 38(3), 465–481. <https://doi.org/10.1046/j.1365-2958.2000.02174.x>

Belanger, K. D., & Quatrano, R. S. (2000a). Membrane recycling occurs during asymmetric tip growth and cell plate formation in *Fucus distichus* zygotes. *Protoplasma*, 212(1), 24–37. <https://doi.org/10.1007/BF01279344>

Belanger, K. D., & Quatrano, R. S. (2000b). Polarity: The role of localized secretion. *Current Opinion in Plant Biology*, 3(1), 67–72. [https://doi.org/10.1016/s1369-5266\(99\)00043-6](https://doi.org/10.1016/s1369-5266(99)00043-6)

2 Biology Department Publications: 2000

Braude, S. (2000). Dispersal and new colony formation in wild naked mole-rats: Evidence against inbreeding as the system of mating. *Behavioral Ecology*, 11(1), 7–12.

<https://doi.org/10.1093/beheco/11.1.7>

Brill, L. M., Nunn, R. S., Kahn, T. W., Yeager, M., & Beachy, R. N. (2000). Recombinant tobacco mosaic virus movement protein is an rna-binding, alpha-helical membrane protein. *Proceedings of the National Academy of Sciences of the United States of America*, 97(13), 7112–7117. <https://doi.org/10.1073/pnas.130187897>

Butler, M. A., Schoener, T. W., & Losos, J. B. (2000). The relationship between sexual size dimorphism and habitat use in greater antillean anolis lizards. *Evolution*, 54(1), 259–272. <https://doi.org/10.1111/j.0014-3820.2000.tb00026.x>

Cabral, G. B., Carvalho, L. J. C. B., & Schaal, B. A. (2000a). Relationship analysis of closely related species to cassava (*manihot esculenta crantz*) based on microsatellite-primed pcr. *Cassava Biotechnology Proceedings*.

Cabral, G. B., Carvalho, L. J. C. B., & Schaal, B. A. (2000b). Root induction of wild species of manihot under in vitro culture. *Cassava Biotechnology Proceedings*.

Carvalho, L. J. C. B., Schaal, B. A., & Fukuda, W. M. (2000a). Genetic diversity of cassava (*manihot esculenta*) in a germplasm collection assessed by RAPD assay. *Cassava Biotechnology Proceedings*.

Carvalho, L. J. C. B., Schaal, B. A., & Fukuda, W. M. (2000b). Morphological descriptors and random amplified polymorphic dna (rapd) markers used to assess the genetic diversity of cassava (*manihot esculenta crantz*). *Cassava Biotechnology Proceedings*.

3 Biology Department Publications: 2000

Carvalho, L. J. C. B., Schaal, B. A., & Fukuda, W. M. (2000c). Phenetic relationships and genetic diversity among geographic landraces of cassava (*manihot esculenta crantz*) revealed by pcr-based markers. *Cassava Biotechnology Proceedings*.

Chak, R. K., Thomas, T. L., Quatrano, R. S., & Rock, C. D. (2000). The genes abi1 and abi2 are involved in abscisic acid- and drought-inducible expression of the *daucus carota l. Dc3* promoter in guard cells of transgenic *arabidopsis thaliana (l.) heynh.* *Planta*, 210(6), 875–883. <https://doi.org/10.1007/s004250050692>

Chen, Z., Kloek, A. P., Boch, J., Katagiri, F., & Kunkel, B. N. (2000). The *pseudomonas syringae avrrpt2* gene product promotes pathogen virulence from inside plant cells. *Molecular Plant-Microbe Interactions*, 13(12), 1312–1321.

<https://doi.org/10.1094/MPMI.2000.13.12.1312>

Chiang, T. Y., & Schaal, B. A. (2000a). Molecular evolution and phylogeny of the atpb-rbcl spacer of chloroplast dna in the true mosses. *Genome*, 43(3), 417–426.

<https://doi.org/10.1139/g99-116>

Chiang, T. Y., & Schaal, B. A. (2000b). The internal transcribed spacer 2 region of the nuclear ribosomal dna and the pylogeny of the moss family hylocomiaceae. *Plant Systematics and Evolution*, 224, 127–137.

Chien, S., Chung, C. Y., Sukumaran, S., Osborne, N., Lee, S., Ellsworth, C., McNally, J. G., & Firtel, R. A. (2000). The *dictyostelium lim* domain-containing protein lim2 is essential for proper chemotaxis and morphogenesis. *Molecular Biology of the Cell*, 11(4), 1275–1291.

4 Biology Department Publications: 2000

Cho, Y. S., Pakrasi, H. B., & Whitmarsh, J. (2000). Cytochrome cM from synechocystis 6803.

Detection in cells, expression in escherichia coli, purification and physical characterization. *European Journal of Biochemistry*, 267(4), 1068–1074.

<https://doi.org/10.1046/j.1432-1327.2000.01092.x>

Chowdhury, S. A., & Suga, N. (2000). Reorganization of the frequency map of the auditory

cortex evoked by cortical electrical stimulation in the big brown bat. *Journal of*

Neurophysiology, 83(4), 1856–1863. <https://doi.org/10.1152/jn.2000.83.4.1856>

Clow, P. A., Chen, T., Chisholm, R. L., & McNally, J. G. (2000). Three-dimensional in vivo analysis of dictyostelium mounds reveals directional sorting of prestalk cells and defines a role for the myosin II regulatory light chain in prestalk cell sorting and tip protrusion.

Development, 127(12), 2715–2728. <https://doi.org/10.1242/dev.127.12.2715>

Collin-Osdoby, P., Rothe, L., Bekker, S., Anderson, F., & Osdoby, P. (2000). Decreased nitric oxide levels stimulate osteoclastogenesis and bone resorption both in vitro and in vivo on the chick chorioallantoic membrane in association with neoangiogenesis. *Journal of Bone and Mineral Research*, 15(3), 474–488. <https://doi.org/10.1359/jbmr.2000.15.3.474>

Cruzan, M. B., & Templeton, A. R. (2000). Paleoecology and coalescence: Phylogeographic analysis of hypotheses from the fossil record. *Trends in Ecology & Evolution*, 15(12), 491–496. [https://doi.org/10.1016/s0169-5347\(00\)01998-4](https://doi.org/10.1016/s0169-5347(00)01998-4)

Curtiss III, R., Blower, S., Cooper, K., Russell, D., Silverstein, S., & Young, L. (2000). Leprosy research in the post-genome era: Workshop. *International Journal of Leprosy*, 68, 492–503.

5 Biology Department Publications: 2000

Dixit, A., Lewis, W., Baty, J., Crozier, W., & Wedner, J. (2000). Deuteromycete aerobiology and skin-reactivity patterns: A two year concurrent study in corpus christi, texas, USA.

Grana, 39(4), 209–218. <https://doi.org/10.1080/00173130051084368>

Dozois, C. M., Dho-Moulin, M., Brée, A., Fairbrother, J. M., Desautels, C., & Curtiss, R. (2000).

Relationship between the tsh autotransporter and pathogenicity of avian escherichia coli and localization and analysis of the tsh genetic region. *Infection and Immunity*, 68(7), 4145–4154. <https://doi.org/10.1128/IAI.68.7.4145-4154.2000>

Duncan, I. (2000). *Drosophila melanogaster: Genetic portrait of the fruit fly*. In L. H. Hartwell (Ed.), *From Genes to Genomes* (pp. 702–730). McGraw-Hill.

Durand, J. D., Unlü, E., Doadrio, I., Pipoyan, S., & Templeton, A. R. (2000). Origin, radiation, dispersion and allopatric hybridization in the chub leuciscus cephalus. *Proceedings of the Royal Society B: Biological Sciences*, 267(1453), 1687–1697.

Earhart, G. M., & Stein, P. S. (2000a). Scratch-swim hybrids in the spinal turtle: Blending of rostral scratch and forward swim. *Journal of Neurophysiology*, 83(1), 156–165.

<https://doi.org/10.1152/jn.2000.83.1.156>

Earhart, G. M., & Stein, P. S. (2000b). Step, swim, and scratch motor patterns in the turtle. *Journal of Neurophysiology*, 84(5), 2181–2190.

<https://doi.org/10.1152/jn.2000.84.5.2181>

Eissenberg, J. C., & Elgin, S. C. (2000). The hp1 protein family: Getting a grip on chromatin. *Current Opinion in Genetics & Development*, 10(2), 204–210.

[https://doi.org/10.1016/s0959-437x\(00\)00058-7](https://doi.org/10.1016/s0959-437x(00)00058-7)

6 Biology Department Publications: 2000

- Eissenberg, J. C., Elgin, S. C. R., & Paro, R. (2000). Epigenetic regulation in drosophila: Unraveling the conspiracy of silence. In S. C. R. Elgin & J. L. Workman (Eds.), *Chromatin structure and gene expression*. Oxford University Press.
- Elgin, S. C. R., & Workman, J. J. (2000). *Chromatin structure and gene expression*. Oxford University Press.
- Elumalai, S., Bahieldin, A., Wraith, J., Al-niemi, T., Dyer, W., Ho, T.-H., & Qu, R. (2000). Improved biomass productivity and water use efficiency under water deficit conditions in transgenic wheat constitutively expressing the barley hval gene. *Plant Science*, 155, 1–9.
[https://doi.org/10.1016/S0168-9452\(99\)00247-2](https://doi.org/10.1016/S0168-9452(99)00247-2)
- Farkas, G., Leibovitch, B. A., & Elgin, S. C. (2000). Chromatin organization and transcriptional control of gene expression in drosophila. *Gene*, 253(2), 117–136.
[https://doi.org/10.1016/s0378-1119\(00\)00240-7](https://doi.org/10.1016/s0378-1119(00)00240-7)
- Gao, E., & Suga, N. (2000). Experience-dependent plasticity in the auditory cortex and the inferior colliculus of bats: Role of the corticofugal system. *Proceedings of the National Academy of Sciences*, 97(14), 8081–8086. <https://doi.org/10.1073/pnas.97.14.8081>
- Gilleland, H. E., Gilleland, L. B., Staczek, J., Harty, R. N., García-Sastre, A., Palese, P., Brennan, F. R., Hamilton, W. D., Bendahmane, M., & Beachy, R. N. (2000). Chimeric animal and plant viruses expressing epitopes of outer membrane protein F as a combined vaccine against pseudomonas aeruginosa lung infection. *FEMS Immunology and Medical Microbiology*, 27(4), 291–297. <https://doi.org/10.1111/j.1574-695X.2000.tb01442.x>
- Goodenough, U. (2000a). Causality and subjectivity in the religious quest. *Zygon*, 35(4), 725–734. <https://doi.org/10.1111/1467-9744.00310>

7 Biology Department Publications: 2000

- Goodenough, U. (2000b). Reflections on science and technology. *Zygon*, 35(1), 5–12.
<https://doi.org/10.1111/0591-2385.00255>
- Goodenough, U. (2000c). Reflections on scientific and religious metaphor. *Zygon*, 35(2), 233–240. <https://doi.org/10.1111/0591-2385.00274>
- Goodenough, U. (2000d). Religiopoiesis. *Zygon*, 35(3), 561–566. <https://doi.org/10.1111/0591-2385.00297>
- Goodenough, U. W. (2000). Sacred depths of nature: Excerpts. *Zygon*, 35, 567–586.
- Graham, J. E., & Clark-Curtiss, J. E. (2000). Identifying mycobacterium tuberculosis virulence determinants: New technologies for a difficult problem: Response. *Trends in Microbiology*, 8(3), 100. [https://doi.org/10.1016/s0966-842x\(99\)01697-2](https://doi.org/10.1016/s0966-842x(99)01697-2)
- Hagenbeek, D., Quatrano, R. S., & Rock, C. D. (2000). Trivalent ions activate abscisic acid-inducible promoters through an abi1-dependent pathway in rice protoplasts. *Plant Physiology*, 123(4), 1553–1560.
- Hallmann, A., & Kirk, D. L. (2000). The developmentally regulated ecm glycoprotein isg plays an essential role in organizing the ecm and orienting the cells of Volvox. *Journal of Cell Science*, 113 Pt 24, 4605–4617. <https://doi.org/10.1242/jcs.113.24.4605>
- Herzog, E. D., Grace, M. S., Harrer, C., Williamson, J., Shinohara, K., & Block, G. D. (2000). The role of clock in the developmental expression of neuropeptides in the suprachiasmatic nucleus. *The Journal of Comparative Neurology*, 424(1), 86–98.
[https://doi.org/10.1002/1096-9861\(20000814\)424:1<86::aid-cne7>3.0.co;2-w](https://doi.org/10.1002/1096-9861(20000814)424:1<86::aid-cne7>3.0.co;2-w)
- Hickman Jr., C. P., Roberts, L. S., & Larson, A. (2000). *Animal diversity*. McGraw-Hill.

8 Biology Department Publications: 2000

Honeyman, A. L., & Curtiss, R. (2000). The mannitol-specific enzyme II (mtla) gene and the mtlr gene of the pts of streptococcus mutans. *Microbiology*, 146 (Pt 7), 1565–1572.

<https://doi.org/10.1099/00221287-146-7-1565>

Hunter, S. J., Gay, C. V., Osdoby, P. A., Gwynn, B., & Peters, L. L. (2000). Membrane-bound and cytoplasmic isoforms of ankyrin 1 in chicken osteoclasts. *Molecular Biology of the Cell*, 11(Suppl: 2540).

Irschick, D. J., Macrini, T. E., Koruba, S., & Forman, J. (2000). Ontogenetic differences in morphology, habitat use, behavior, and sprinting capacity in two west indian anolis lizards. *Journal of Herpetology*, 34(3), 444–451. <https://doi.org/10.2307/1565368>

Ivanchenko, M., Vejlupkova, Z., Quatrano, R. S., & Fowler, J. E. (2000). Maize rop7 gtpase contains a unique, caax box-independent plasma membrane targeting signal. *The Plant Journal*, 24(1), 79–90. <https://doi.org/10.1046/j.1365-313x.2000.00855.x>

Ivleva, N. B., Shestakov, S. V., & Pakrasi, H. B. (2000). The carboxyl-terminal extension of the precursor d1 protein of photosystem II is required for optimal photosynthetic performance of the cyanobacterium synechocystis sp. Pcc 6803. *Plant Physiology*, 124(3), 1403–1412. <https://doi.org/10.1104/pp.124.3.1403>

Johnson, G. (2000). *Living world* (2nd ed.). McGraw-Hill.

Kirk, D. L. (2000). Volvox as a model system for studying the ontogeny and phylogeny of multicellularity and cellular differentiation. *Journal of Plant Growth Regulation*, 19, 265–274.

9 Biology Department Publications: 2000

- Kirk, D. L., & Miller, S. M. (2000). Embryonic polarity, asymmetric division, and cell fate determination in volvox [meeting abstract]. *Developmental Biology*, 222, 24.
- Kloek, A. P., Brooks, D. M., & Kunkel, B. N. (2000). A *dsbA* mutant of *pseudomonas syringae* exhibits reduced virulence and partial impairment of type III secretion. *Molecular Plant Pathology*, 1(2), 139–150. <https://doi.org/10.1046/j.1364-3703.2000.00016.x>
- Kloek, A. P., Chen, Z., Lim, M., & Kunkel, B. N. (2000). The *pseudomonas syringae* *vrrpt2* gene encodes a protein that functions inside plant cells to promote pathogen virulence. In P. J. G. M. De Wit, T. Bisseling, & W. J. Stiekema (Eds.), *Biology of plant-microbe interactions* (Vol. 2). International Society for Molecular Plant-Microbe Interactions.
- Kopp, A., Duncan, I., & Carroll, S. B. (2000). Genetic control and evolution of sexually dimorphic characters in *drosophila*. *Nature*, 408(6812), 553–559.
<https://doi.org/10.1038/35046017>
- Leal, M., & Losos, J. B. (2000). Behavior and ecology of the cuban “chipojos bobos” *chamaeleolis barbatus* and *c. Porcus*. *Journal of Herpetology*, 34(2), 318–322.
<https://doi.org/10.2307/1565435>
- Levin, P. A., & Losick, R. (2000). Asymmetric division and cell fate during sporulation in *bacillus subtilis*. In Y. Brun & L. Shimkets (Eds.), *Prokaryotic development* (pp. 167–189). American Society for Microbiology Press.
- Lewis, W. H. (2000a). Ethnopharmacology and the search for new therapeutics. In P. E. Minnis & W. J. Elisens (Eds.), *Biodiversity and native america* (pp. 74–96). University of Oklahoma Press.

10 Biology Department Publications: 2000

- Lewis, W. H. (2000b). Sixty medicinal plants from the peruvian amazon: Ecology, ethnomedicine and bioactivity by desmarchelier, c. And schaus, f. W. [Book review]. *Journal of Natural Products*, 63, 1596–1597.
- Losos, J. B. (2000). Ecological character displacement and the study of adaptation. *Proceedings of the National Academy of Sciences*, 97(11), 5693–5695.
<https://doi.org/10.1073/pnas.97.11.5693>
- Losos, J. B., Creer, D. A., Glossip, D., Goellner, R., Hampton, A., Roberts, G., Haskell, N., Taylor, P., & Ettling, J. (2000). Evolutionary implications of phenotypic plasticity in the hindlimb of the lizard *anolis sagrei*. *Evolution*, 54(1), 301–305.
<https://doi.org/10.1111/j.0014-3820.2000.tb00032.x>
- Losos, J. B., & Schluter, D. (2000). Analysis of an evolutionary species–area relationship. *Nature*, 408(6814), 847–850. <https://doi.org/10.1038/35048558>
- Macey, J. R., Ananjeva, N. B., Wang, Y. Z., & Papenfuss, T. J. (2000). Phylogenetic relationships among asian gekkonid lizards formerly of the genus cyrtodactylus based on cladistic analyses of allozymic data: Monophyly of cyrtopodion and mediodactylus. *Journal of Herpetology*, 34, 258–265.
- Macey, J. R., Schulte, J. A., II, & Larson, A. (2000). Evolution and phylogenetic information content of mitochondrial genomic structural features illustrated with acrodont lizards. *Systematic Biology*, 49(2), 257–277. <https://doi.org/10.1093/sysbio/49.2.257>
- Macey, J. R., Schulte, J. A., Kami, H. G., Ananjeva, N. B., Larson, A., & Papenfuss, T. J. (2000). Testing hypotheses of vicariance in the agamid lizard *laudakia caucasia* from

11 Biology Department Publications: 2000

mountain ranges on the northern iranian plateau. *Molecular Phylogenetics and Evolution*, 14(3), 479–483. <https://doi.org/10.1006/mpev.1999.0722>

Macey, J. R., Schulte, J. A., Larson, A., Ananjeva, N. B., Wang, Y., Pethiyagoda, R., Rastegar-Pouyani, N., & Papenfuss, T. J. (2000). Evaluating trans-tethys migration: An example using acrodont lizard phylogenetics. *Systematic Biology*, 49(2), 233–256.
<https://doi.org/10.1093/sysbio/49.2.233>

Más, P., & Beachy, R. N. (2000). Role of microtubules in the intracellular distribution of tobacco mosaic virus movement protein. *Proceedings of the National Academy of Sciences*, 97(22), 12345–12349. <https://doi.org/10.1073/pnas.97.22.12345>

Matos, J. A., & Schaal, B. A. (2000). Chloroplast evolution in the pinus montezumae complex: A coalescent approach to hybridization. *Evolution*, 54(4), 1218–1233.
<https://doi.org/10.1111/j.0014-3820.2000.tb00556.x>

Maurer, J. J., Doggett, T. A., Burns-Keliher, L., & Curtiss, R. (2000). Expression of the rfa, lps biosynthesis promoter in salmonella typhimurium during invasion of intestinal epithelial cells. *Current Microbiology*, 41(3), 172–176. <https://doi.org/10.1007/s002840010113>

Melville, J., & Swain, R. (2000). Evolutionary relationships between morphology, performance and habitat openness in the lizard genus niveoscincus (scincidae: Lygosominae). *Biological Journal of the Linnean Society*, 70(4), 667–683.

<https://doi.org/10.1111/j.1095-8312.2000.tb00222.x>

Neff, M. M., Fankhauser, C., & Chory, J. (2000). Light: An indicator of time and place. *Genes & Development*, 14(3), 257–271.

12 Biology Department Publications: 2000

Ng, W. O., Zentella, R., Wang, Y., Taylor, J. S., & Pakrasi, H. B. (2000). PhrA, the major photoreactivating factor in the cyanobacterium *synechocystis* sp. Strain pcc 6803 codes for a cyclobutane-pyrimidine-dimer-specific dna photolyase. *Archives of Microbiology*, 173(5–6), 412–417. <https://doi.org/10.1007/s002030000164>

Nickerson, C. A., Ott, C. M., Mister, S. J., Morrow, B. J., Burns-Keliher, L., & Pierson, D. L. (2000). Microgravity as a novel environmental signal affecting *salmonella enterica* serovar *typhimurium* virulence. *Infection and Immunity*, 68(6), 3147–3152. <https://doi.org/10.1128/IAI.68.6.3147-3152.2000>

Ohkawa, H., Pakrasi, H. B., & Ogawa, T. (2000). Two types of functionally distinct nad(p)h dehydrogenases in *synechocystis* sp. Strain pcc6803. *The Journal of Biological Chemistry*, 275(41), 31630–31634. <https://doi.org/10.1074/jbc.M003706200>

Olsen, K., Hernandez, M., & Schaal, B. A. (2000). A survey of DNA sequence variation in cassava and other manihot species. *Cassava Biotechnology Proceedings*, 129–134.

Opalka, N., Tihova, M., Brigidou, C., Kumar, A., Beachy, R. N., Fauquet, C. M., & Yeager, M. (2000). Structure of native and expanded sobemoviruses by electron cryo-microscopy and image reconstruction. *Journal of Molecular Biology*, 303(2), 197–211. <https://doi.org/10.1006/jmbi.2000.4043>

Phillips, C. A., Suau, G., & Templeton, A. R. (2000). Effects of holocene climate fluctuation on mitochondrial DNA variation in the ringed salamander, *ambystoma annulatum*. *Copeia*, 2, 542–545. [https://doi.org/10.1643/0045-8511\(2000\)000\[0542:EOHCFO\]2.0.CO;2](https://doi.org/10.1643/0045-8511(2000)000[0542:EOHCFO]2.0.CO;2)

13 Biology Department Publications: 2000

Pikaard, C. S. (2000a). Nucleolar dominance: Uniparental gene silencing on a multi-megabase scale in genetic hybrids. *Plant Molecular Biology*, 43(2–3), 163–177.

<https://doi.org/10.1023/a:1006471009225>

Pikaard, C. S. (2000b). The arabidopsis genome initiative analysis of the genome sequence of the flowering plant arabidopsis thaliana. *Nature*, 408, 796–815.

Pikaard, C. S. (2000c). The epigenetics of nucleolar dominance. *Trends in Genetics*, 16(11), 495–500. [https://doi.org/10.1016/s0168-9525\(00\)02113-2](https://doi.org/10.1016/s0168-9525(00)02113-2)

Posada, D., Crandall, K. A., & Templeton, A. R. (2000). Geodis: A program for the cladistic nested analysis of the geographical distribution of genetic haplotypes. *Molecular Ecology*, 9(4), 487–488. <https://doi.org/10.1046/j.1365-294x.2000.00887.x>

Powell, R., Ottenwalder, J. A., Incháustegui, S. J., Henderson, R. W., & Glor, R. E. (2000). Amphibians and reptiles of the dominican republic: Species of special concern. *Oryx*, 34(2), 118–128. <https://doi.org/10.1046/j.1365-3008.2000.00103.x>

Qu, C., Liljas, L., Opalka, N., Brugidou, C., Yeager, M., Beachy, R. N., Fauquet, C. M., Johnson, J. E., & Lin, T. (2000). 3D domain swapping modulates the stability of members of an icosahedral virus group. *Structure*, 8(10), 1095–1103.
[https://doi.org/10.1016/S0969-2126\(00\)00508-6](https://doi.org/10.1016/S0969-2126(00)00508-6)

Raikhel, N. V., Nishimura, M., Quatrano, R., Howell, S. H., Davies, W., & Bowles, D. (2000). The free flow of ideas, information, and materials. *Plant Physiology*, 124(4), 1455.

Reichel, C., & Beachy, R. N. (2000). Degradation of tobacco mosaic virus movement protein by the 26s proteasome. *Journal of Virology*, 74(7), 3330–3337.

14 Biology Department Publications: 2000

Ruvinsky, I., & Gibson-Brown, J. J. (2000). Genetic and developmental bases of serial homology in vertebrate limb evolution. *Development*, 127(24), 5233–5244.

<https://doi.org/10.1242/dev.127.24.5233>

Ruvinsky, I., Silver, L. M., & Gibson-Brown, J. J. (2000). Phylogenetic analysis of t-box genes demonstrates the importance of amphioxus for understanding evolution of the vertebrate genome. *Genetics*, 156(3), 1249–1257.

Saez-Vasquez, J., & Pikaard, C. S. (2000). RNA polymerase I holoenzyme-promoter interactions. *The Journal of Biological Chemistry*, 275(47), 37173–37180.

<https://doi.org/10.1074/jbc.M006057200>

Schaal, B. A., & Olsen, K. M. (2000). Gene genealogies and population variation in plants. *Proceedings of the National Academy of Sciences of the United States of America*, 97(13), 7024–7029.

Schopke, C., Masona, M. V., Taylor, N. J., Carcamo, R., Ho, T., Beachy, R. N., & Fauquet, C. M. (2000). Production and characterization of transgenic cassava plants expressing the coat protein gene of cassava common mosaic virus. *Cassava Biotechnology Proceedings*.

Schulte II, J. A., Macey, R. J., Espinoza, R. E., & Larson, A. (2000). Phylogenetic relationships in the iguanid lizard genus *Liolaemus*: Multiple origins of viviparous reproduction and evidence for recurring andean vicariance and dispersal. *Biological Journal of the Linnean Society*, 69(1), 75–102. <https://doi.org/10.1006/bijl.1999.0346>

Scott Gens, J., Fujiki, M., & Pickard, B. G. (2000). Arabinogalactan protein and wall-associated kinase in a plasmalemmal reticulum with specialized vertices. *Protoplasma*, 212(1), 115–134. <https://doi.org/10.1007/BF01279353>

15 Biology Department Publications: 2000

- Setterdahl, A. T., Goldman, B. S., Hirasawa, M., Jacquot, P., Smith, A. J., Kranz, R. G., & Knaff, D. B. (2000). Oxidation-reduction properties of disulfide-containing proteins of the rhodobacter capsulatus cytochrome c biogenesis system. *Biochemistry*, 39(33), 10172–10176. <https://doi.org/10.1021/bi000663t>
- Staczek, J., Bendahmane, M., Gilleland, L. B., Beachy, R. N., & Gilleland, H. E. (2000). Immunization with a chimeric tobacco mosaic virus containing an epitope of outer membrane protein f of pseudomonas aeruginosa provides protection against challenge with p. Aeruginosa. *Vaccine*, 18(21), 2266–2274. [https://doi.org/10.1016/s0264-410x\(99\)00571-x](https://doi.org/10.1016/s0264-410x(99)00571-x)
- Stathopoulos, C., Hendrixson, D. R., Thanassi, D. G., Hultgren, S. J., St Geme, J. W., & Curtiss, R. (2000). Secretion of virulence determinants by the general secretory pathway in gram-negative pathogens: An evolving story. *Microbes and Infection*, 2(9), 1061–1072. [https://doi.org/10.1016/s1286-4579\(00\)01260-0](https://doi.org/10.1016/s1286-4579(00)01260-0)
- Stokes, T. L., & Richards, E. J. (2000). Mum's the word: Mom and modifiers of transcriptional gene silencing. *The Plant Cell*, 12(7), 1003–1006. <https://doi.org/10.1105/tpc.12.7.1003>
- Suga, N., Gao, E., Zhang, Y., Ma, X., & Olsen, J. F. (2000). The corticofugal system for hearing: Recent progress. *Proceedings of the National Academy of Sciences*, 97(22), 11807–11814. <https://doi.org/10.1073/pnas.97.22.11807>
- Sun, F.-L., Craig, C., Haynes, K., Lee, S., Weitzel, P., Wuller, J., Grunstein, M., & Elgin, S. C. R. (2000). Genome organization of the drosophila melanogaster fourth chromosome: Interspersed functional domains and inferred boundaries. *Molecular Biology of the Cell*, 11 Suppl., 41.

16 Biology Department Publications: 2000

Sun, F.-L., Cuaycong, M. H., Craig, C. A., Wallrath, L. L., Locke, J., & Elgin, S. C. R. (2000).

The fourth chromosome of *drosophila melanogaster*: Interspersed euchromatic and heterochromatic domains. *Proceedings of the National Academy of Sciences of the United States of America*, 97(10), 5340–5345.

Suzuki, L., Woessner, J. P., Uchida, H., Kuroiwa, H., Yuasa, Y., Waffenschmidt, S., Goodenough, U. W., & Kuroiwa, T. (2000). A zygote-specific protein with hydroxyproline-rich glycoprotein domains involved in the assembly of the cell wall of *chlamydomonas reinhardtii* (chlorophyta). *Journal of Phycology*, 36(3), 571–583.

<https://doi.org/10.1046/j.1529-8817.2000.99112.x>

Taylor, N. J., Masona, M. V., Schopke, C., Carcamo, R., Ho, T., Gonzalez, A. E., Beachy, R. N., & Fauquet, C. M. (2000). Production of genetically transformed cassava plants containing various genes of interest. *Cassava Biotechnology Proceedings*.

Templeton, A. (2000). Gene trees: A powerful tool for exploring the evolutionary biology of species and speciation. *Plant Species Biology*, 15(3), 211–222.

Templeton, A. R. (2000). Applying genetics to species conservation: A review of “Genetics and the Extinction of Species” [book review]. *BioScience*, 50, 539–540.

Templeton, A. R., Clark, A. G., Weiss, K. M., Nickerson, D. A., Boerwinkle, E., & Sing, C. F. (2000). Recombinational and mutational hotspots within the human lipoprotein lipase gene. *American Journal of Human Genetics*, 66(1), 69–83.

Templeton, A. R., Weiss, K. M., Nickerson, D. A., Boerwinkle, E., & Sing, C. F. (2000). Cladistic structure within the human lipoprotein lipase gene and its implications for phenotypic association studies. *Genetics*, 156(3), 1259–1275.

17 Biology Department Publications: 2000

Templeton, A. R., Wolf, J. B., Brodie III, E. D., & Wade, M. J. (2000). Epistasis and complex traits. In *Epistasis and the evolutionary process* (pp. 41–57). Oxford University Press.

Torres, J. A., Thomas, R., Leal, M., & Gush, T. (2000). Ant and termite predation by the tropical blindsnake *Typhlops platycephalus*. *Insectes Sociaux*, 47, 1–6.

<https://doi.org/10.1007/s000400050001>

Weigel, D., Ahn, J. H., Blazquez, M. A., Borevitz, J. O., Christensen, S. K., Fankhauser, C., Ferrandiz, C., Kardailsky, I., Malancharuvil, E. J., Neff, M. M., Nguyen, J. T., Sato, S., Wang, Z., Xia, Y., Dixon, R. A., Harrison, M. J., Lamb, C. J., Yanofsky, M. F., & Chory, J. (2000). Activation tagging in arabidopsis. *Plant Physiology*, 122(4), 1003–1014.

Zak, E., & Pakrasi, H. B. (2000). The btpa protein stabilizes the reaction center proteins of photosystem I in the cyanobacterium *synechocystis* sp. Pcc 6803 at low temperature. *Plant Physiology*, 123(1), 215–222.

Zhang, J., Klueva, N. Y., Wang, Z., Wu, R., Ho, T.-H. D., & Nguyen, H. T. (2000). Genetic engineering for abiotic stress resistance in crop plants. *In Vitro Cellular & Developmental Biology: Plant*, 36(2), 108–114. <https://doi.org/10.1007/s11627-000-0022-6>

Zhang, Y., & Suga, N. (2000). Modulation of responses and frequency tuning of thalamic and collicular neurons by cortical activation in mustached bats. *Journal of Neurophysiology*, 84(1), 325–333. <https://doi.org/10.1152/jn.2000.84.1.325>