

Dan Finch
Fall, 2003

Alcohol Lab Relevant Articles

This semester's articles:

Green and Freed. 1998. Behavioral Economics (Chapter 14)

Goodwin, F. & Amit, Z. 2000. Relative taste thresholds for ethanol, saccharin, and quinine solutions in three strains of rats nonselected for ethanol: A comparative study. *Experimental and Clinical Psychopharmacology*, 8: 216-224.

Martinetti, M. *et al.* 2000. Ethanol consumption and the matching law: A choice analysis using a limited access paradigm. *Experimental and Clinical Psychopharmacology*, 8: 395-403.

Bickel, W., DeGrandpre, R., & Higgins, S. 1995. The behavioral economics of concurrent drug reinforcers: A review and reanalysis of drug self-administration research. *Psychopharmacology*, 118: 250-259.

Williams, K. & Woods, J. 2000. A behavioral economic analysis of concurrent ethanol- and water-reinforced responding in different preference conditions. *Alcoholism: Clinical and Experimental Research*, 24: 980-986.

Hart, C., Haney, M., Foltin, R., & Fischman, M. 2000. Alternative reinforcers differentially modify cocaine self-administration by humans. *Behavioral Pharmacology*, 11: 87-91.

Miller, H. 1976. Matching-based hedonic scaling in the pigeon. *Journal of the Experimental Analysis of Behavior*, 26: 335-347.

Summer, 2003 articles:

Vallee, B. L. (1998, June). Alcohol in the Western world. *Scientific American*, 278, 80-85.

National Institute on Alcohol Abuse and Alcoholism (1993). Actions of alcohol on the brain. In: Eighth Special Report to the U.S. Congress on Alcohol and Health. Rockville, MD: U.S. Department of Health and Human Services.

Catania, A. C. (1998). *Learning* (4th ed.). Upper Saddle River, NJ: Prentice Hall.

Selected pages from American Psychiatric Association (2000). *Diagnostic and Statistical Manual of Mental Disorders, DSM-IV-TR*. Arlington, VA: American Psychiatric Publishing, Inc.

Intro. to Animal Models of Alcohol Abuse: Criteria, Utility, Difficulties...

Lester, D., & Freed, E. X. (1973). Criteria for an animal model of alcoholism. *Pharmacology, Biochemistry & Behavior*, 1, 103-107.

Cicero, T. J. (1980). Animal models of alcoholism? In K. Eriksson & J. D. Sinclair & K. Kiianmaa (Eds.), *Animal models in alcohol research*. (pp. 99-117). New York: Academic Press.

Falk, J. L., Samson, H. H., & Winger, G. (1972). Behavioral maintenance of high concentrations of blood ethanol and physical dependence in the rat. *Science*, 177, 811-813.

Mittleman G., Van Brunt C. L., Matthews D. B. (2003). Schedule-induced ethanol self-administration in DBA/2J and C57BL/6J mice. *Alcoholism: Clinical and Experimental Research*, 27(6), 918-925.

Falk, J. L. (1971). The nature and determinants of adjunctive behavior. *Physiology and Behavior*, 6, 577-588.

Meisch, R. A., & Thompson, T. (1973). Ethanol as a reinforcer: Effects of fixed-ratio size and food deprivation. *Psychopharmacologia*, 28, 171-183.

Kulkosky, P. J., Allison, T. G., & Carr, B. A. (1996). Angiotensin II reduces alcohol intake and choice in water- or food-restricted rats. *Alcohol*, 13(4), 359-363.

June, H. L., Lummis, G. H., Colker, R. E., Moore, T. O., & Lewis, M. J. (1991). Ro15-4513 attenuates the consumption of ethanol in deprived rats. *Alcoholism: Clinical and Experimental Research*, 15, 406-411.

MacDonall, J. S., & Marcucella, H. (1979). Increasing the rate of ethanol consumption in food- and water-satiated rats. *Pharmacology, Biochemistry & Behavior*, 10, 211-216.

Holloway, F. A., Bird, D. C., & Devenport, J. A. (1984). Periodic availability: Factors affecting alcohol selection in rats. *Alcohol*, 1, 19-25.

Keung, W. M., & Vallee, B. L. (1993). Daidzin and daidzein suppress free-choice ethanol intake by Syrian golden hamsters. *Proc Natl Acad Sci U S A*, 90(21), 10008-10012.

Samson, H. H. (1986). Initiation of ethanol reinforcement using a sucrose-substitution procedure in food- and water-sated rats. *Alcoholism: Clinical and Experimental Research*, 10(4), 436-442.

Files, F. J., Samson, H. H., & Denning, C. E. (1997). Effects of sucrose-substitution initiation on patterns of drinking by Lewis rats during continuous alcohol access. *Alcohol*, 14(4), 379-387.

Katner, S. N., Slawecki, C. J., & Ehlers, C. L. (2002). Neuropeptide Y administration into the amygdala does not affect ethanol consumption. *Alcohol*, 28(1), 29-38.

Samson, H. H., Czachowski, C. L., & Slawecki, C. J. (2000). A new assessment of the ability of oral ethanol to function as a reinforcing stimulus. *Alcoholism: Clinical and Experimental Research*, 24(6), 766-773.

Samson, H. H., & Chappell, A. (2001). Effects of alcohol deprivation on alcohol consumption using a sipper-tube procedure. *Alcoholism: Clinical and Experimental Research*, 25(5), 680-686.

Czachowski, C. L., & Samson, H. H. (2002). Ethanol- and sucrose-reinforced appetitive and consummatory responding in HAD1, HAD2, and P rats. *Alcoholism: Clinical and Experimental Research*, 26(11), 1653-1661.

Froehlich, J. C., & Li, T.-K. (1991). Animal models for the study of alcoholism: Utility of selected lines. *Journal of Addictive Diseases*, 10(1-2), 61-71.

Colombo, G., Agabio, R., Lobina, C., Reali, R., Zocchi, A., Fadda, F., et al. (1995). Sardinian alcohol-preferring rats: A genetic animal model of anxiety. *Physiology and Behavior*, 57(6), 1181-1185.

Jones, A. E., McBride, W. J., Murphy, J. M., Lumeng, L., Li, T., Shekhar, A., et al. (2000). Effects of ethanol on startle responding in alcohol-preferring and -non-preferring rats. *Pharmacology, Biochemistry, & Behavior*, 67(2), 313-318.

McBride, W. J., & Li, T.-K. (1998). Animal models of alcoholism: Neurobiology of high alcohol-drinking behavior in rodents. *Critical Reviews in Neurobiology*, 12(4), 339-369.

Browman, K. E., & Crabbe, J. C. (1999). Alcohol and genetics: new animal models. *Molecular Medicine Today*, 5(7), 310-318.

Strother, W. N., Lumeng, L., Li, T. K., & McBride, W. J. (2003). Regional CNS densities of serotonin 1A and dopamine D2 receptors in periadolescent alcohol-preferring P and alcohol-nonpreferring NP rat pups. *Pharmacology, Biochemistry, & Behavior*, 74(2), 335-342.

Other possibilities:

Matthews, D. *et al.* 2001. Effects of sweetened ethanol solutions on ethanol self-administration and blood ethanol levels. *Pharmacology, Biochemistry, and Behavior*, 68: 13-21.

Ackroff, K. & Sclafani, A. 2002. Ethanol flavor preference conditioned by intragastric carbohydrate in rats. *Pharmacology Biochemistry and Behavior*, 74: 41-51.

Ackroff, K. & Sclafani, A. 2002. Flavor quality and ethanol concentration affect ethanol-conditioned flavor preferences. *Pharmacology Biochemistry and Behavior*, 74: 229-240

Ackroff, K. & Sclafani, A. 2001. Flavor preference conditioned by intragastric infusion of ethanol in rats. *Pharmacology Biochemistry and Behavior*, 68: 327-338.

Ackroff, K. & Sclafani, A. 1998. Flavor preferences conditioned by intragastric sugar infusions in rats: maltose is more reinforcing than sucrose. *Physiol. Behav.*, 64: 535-541.

Goodwin, F., Bergeron, N., & Amit, Z. 2000. Differences in the consumption of ethanol and flavored solutions in three strains of rats. *Pharmacology Biochemistry and Behavior*, 65: 357-362.

Smith, J. & Sclafani, A. 2002. Saccharin as a sugar surrogate revisited. *Appetite*, 38: 155-160.

Kampov-Polevoy, A., Gabutt, J., & Janowsky, D. 1999. Association between preference for sweets and excessive alcohol intake: A review of Animal and Human Studies. *Alcohol*, 34: 386-395.

Slawecki, C. & Samson, H. 1998. Exposure to sucrose–quinine solutions does not increase ethanol consumption. *Alcohol* 16: 329–335.

Heyman, G. 2000. An economic approach to animal models of alcoholism. *Alcohol Research & Health*, 24: 132-140.

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Deems, D., Oetting, R., Sherman, J., & Garcia, J. 1986. Hungry, but not thirsty, rats prefer flavors paired with ethanol. *Physiol. Behav.*, 36: 141-144.

Bachmanov, A., Reed, D., Tordoff, M., Price, R., & Beachamp, G. 1996. Intake of ethanol, sodium chloride, sucrose, citric acid, and quinine hydrochloride solutions by mice: a genetic analysis. *Behavior Genetics*, 26: 563–573.

Bell, S., Gosnell, B., Krahn, D., & Meisch, R. 1994. Ethanol reinforcement and its relationship to saccharin preference in Wistar rats. *Alcohol*, 11: 141–145.

Gahtan, E., Labounty, L., Wyvell, C., & Carroll, M. 1996. The relationships among saccharin consumption, oral ethanol, and IV cocaine self-administration. *Pharmacology, Biochemistry and Behavior*, 53: 919–925.

Gosnell, B. & Krahn, D. 1992. The relationship between saccharin and alcohol intake in rats. *Alcohol*, 9: 203–206.

Kampov-Polevoy, A., Garbutt, J., & Janowsky, D. 1997. Evidence of preference for a higher concentration sucrose solution in alcoholic men. *American Journal of Psychiatry*, 154: 269–270.

Sinclair, J., Kampov-Polevoy, A., Stewart, R., & Li, T.-K. 1992. Taste preferences in rat lines selected for low and high alcohol consumption. *Alcohol*, 9: 155–160.

Stewart, R., Russel, R., Lumeng, L., Li, T.-K., & Murphy, J. 1994 Consumption of sweet, salty, sour, and bitter solutions by selectively bred alcohol-preferring and alcohol-nonpreferring lines of rats. *Alcoholism: Clinical and Experimental Research*, 18: 375–381.

Bice, P., Kiefer, S., & Elder, N. 1992. Evaluating the palatability of alcohol for rats with measures of taste reactivity, consumption, and lick rate. *Alcohol*, 9: 381–387.

Di Lorenzo, P., Kiefer, S., Rice, G., & Garcia, J. 1986. Neural and behavioral responsivity to ethyl alcohol as a tastant. *Alcohol* 3: 55–61.

Files, F., Samson, H., & Brice, G. 1995. Sucrose, ethanol, and sucrose/ethanol reinforced responding under variable-interval schedules of reinforcement. *Alcoholism: Clinical and Experimental Research*, 19: 1271–1278.

Kiefer, S., Bice, P., Orr, M., & Dopp, J. 1990. Similarity of taste reactivity responses to alcohol and sucrose mixtures in rats. *Alcohol* 7: 115–120.

Kiefer S. & Mahadevan, R. 1993. The taste of alcohol for rats as revealed by aversion generalization tests. *Chem. Senses* 18: 509–522.

Linseman, M. 1988. Consumption of alcohol compared to another bitter solution in a limited access drinking paradigm. *Alcohol* 5: 301–305.

Slawecki, C. & Samson, H. 1997. Changes in oral ethanol self-administration patterns resulting from ethanol concentration manipulations. *Alcoholism: Clinical and Experimental Research*, 21: 1144–1149.

Slawecki, C., Samson, H., & Hodge, C. 1997. Differential changes in sucrose/ethanol and sucrose maintained responding by independently altering ethanol or sucrose concentration. *Alcoholism: Clinical and Experimental Research*, 21: 250–260.

Blizard, D. & McClean, G. 2000. Association between ethanol and sucrose intake in the laboratory mouse: exploration via congenic strains and conditioned taste aversion. *Alcoholism: Clinical and Experimental Research*, 24: 253–258.

Stromberg, M., Meister, S., Volpicelli, J., & Ulm R. 1997. Low dose of morphine and the consumption of a sweetened ethanol solution: differential effects on acquisition and maintenance. *Alcohol*, 14: 463–468.

Samson, H., Roehrs, T., & Tolliver, G. 1982. Ethanol reinforced responding in the rat: a concurrent analysis using sucrose as the alternate choice. *Pharmacology, Biochemistry and Behavior*, 17: 333–339.