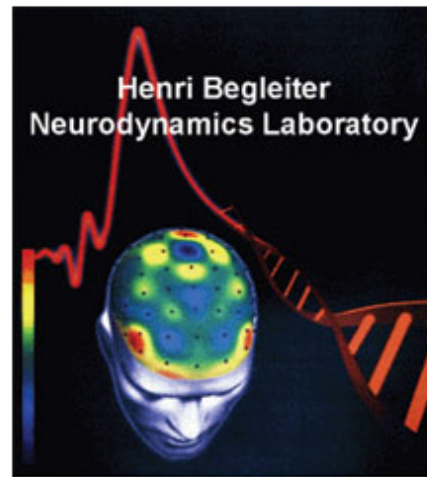

HENRI BEGLEITER NEURODYNAMICS LABORATORY



Last change: 2014-11-06

Books

Kissin, B. and Begleiter, H. (eds.) (1971).
The Biology of Alcoholism, Volume 1, Biochemistry.
Plenum Publishing Corporation, New York, pp 630.

Kissin, B. and Begleiter, H. (eds.) (1972).
The Biology of Alcoholism, Volume 2, Physiology and Behavior.
Plenum Publishing Corporation, New York, pp 552.

Kissin, B. and Begleiter, H. (eds.) (1974).
The Biology of Alcoholism, Volume 3, Clinical Pathology.
Plenum Publishing Corporation, New York, pp 673.

Kissin, B. and Begleiter, H. (eds.) (1976).
The Biology of Alcoholism, Volume 4, Social Aspect of Alcoholisms.
Plenum Publishing Corporation, New York, pp 631.

Kissin, B. and Begleiter, H. (eds.) (1976).
The Biology of Alcoholism, Volume 5, Treatment and Rehabilitation of the Chronic Alcoholic.
Plenum Publishing Corporation, New York, pp 643.

Begleiter, H. (ed.) (1979).
Evoked Brain Potentials and Behavior (The Downstate Series of Research in Psychiatry and Psychology, Volume 2).
Plenum Publishing Corporation, New York, pp 568.

Begleiter, H. (1980).
Biological Effects of Alcohol.
Plenum Publishing Corporation, New York, pp 832.

Kissin, B. and Begleiter, H. (eds.) (1983).
The Biology of Alcoholism, Volume 7, The Pathogenesis of Alcoholism, Biological Factors.
Plenum Publishing Corporation, New York, pp 635.

Begleiter, H. and Kissin, B., (eds.) (1995).
Alcohol and Alcoholism, Vol. 1, The Genetics of Alcoholism.
Oxford University Press, New York, pp 400.

Begleiter, H. and Kissin, B. (eds.) (1996).
Alcohol and Alcoholism, Vol. 2, The Pharmacology of Alcohol and Alcohol Dependence.
Oxford University Press, New York, pp 525.

Book chapters

Begleiter, H. and Platz, A. (1972).
The effects of alcohol on the central nervous system in humans.
In: Kissin, B., Begleiter, H. (eds.), *The Biology of Alcoholism, Volume 2, Physiology and Behavior.*
Plenum Publishing Corporation, New York, 293-343.

Begleiter, H., Gross, M.M., and Porjesz, B. (1973).
Recovery function and clinical symptomatology in acute alcoholization and withdrawal.
In: Gross, M.M. (ed.), *Advances in experimental medicine and biology, Volume 35, Alcohol intoxication and withdrawal experimental studies.*
Plenum Publishing Corporation, New York, 407-413.

Porjesz, B. and Begleiter, H. (1973).
The effects of alcohol on the somatosensory evoked potentials in man.
In: Gross, M.M. (ed.), *Advances in experimental medicine and biology, Volume 35, Alcohol intoxication and withdrawal experimental studies.*
Plenum Publishing Corporation, New York, 345-350.

Begleiter, H. (1975).
Ethanol consumption subsequent to physical dependence.
In: Gross, M.M. (ed.), *Advances in experimental medicine and biology, Volume 59, Alcohol Intoxication and Withdrawal.*
Plenum Publishing Corporation, New York, 373-378.

Porjesz, B. and Begleiter, H. (1975).
Alcohol and bilateral evoked brain potentials.
In: Gross, M.M. (ed.), *Advances in experimental medicine and biology, Volume 59, Alcohol Intoxication and Withdrawal.*
Plenum Publishing Corporation, New York, 553-567.

Porjesz, B., Begleiter, H., and Hurowitz, S. (1976).
Brain excitability subsequent to alcohol withdrawal in rats.
In: Ford, H. and Clouets, D.H. (eds.), *Tissue Responses to Addictive Drugs.*
Spectrum, New York, 461-469.

Begleiter, H. (1977).
Neurobiological factors in mental illness.
In: Simons, R. (ed.), *Understanding Human Behavior in Health and Illness.*
Williams & Wilkins, Baltimore, Chapter 48C, 496-510.

- Begleiter, H. and Porjesz, B. (1977).
Brain and behavior: A biological approach.
In: Simons, R. (ed.), *Understanding Human Behavior in Health and Illness*.
Williams & Wilkins, Baltimore, Chapter 48C, 485-496.
- Begleiter, H. and Porjesz, B. (1977).
Persistence of brain hyperexcitability following chronic alcohol exposure in rats.
In: Gross, M.M. (ed.), *Advances in experimental medicine and biology, Volume 85B, Alcohol intoxication and withdrawal - IIIb: Studies in Alcohol dependence*.
Plenum Publishing Corporation, New York, 209-222.
- Begleiter, H., Porjesz, B., and Garozzo, R. (1979).
Visual evoked potentials and affective ratings of semantic stimuli.
In: Begleiter, H. (ed.), *Evoked Brain Potentials and Behavior (The Downstate Series of Research in Psychiatry and Psychology, Volume 2)*.
Plenum Publishing Corporation, New York, 127-141.
- Porjesz, B. and Begleiter, H. (1979).
Visual evoked potentials and brain dysfunction in chronic alcoholics.
In: Begleiter, H. (ed.), *Evoked Brain Potentials and Behavior (The Downstate Series of Research in Psychiatry and Psychology, Volume 2)*.
Plenum Publishing Corporation, New York, 277-302.
- Begleiter, H., DeNoble, V., and Porjesz, B. (1980).
Protracted brain dysfunction after alcohol withdrawal in monkeys.
In: Begleiter, H. (ed.), *Advances in Experimental Medicine and Biology, Volume 126, Biological Effects of Alcohol*.
Plenum Publishing Corporation, London, 231-249.
- Porjesz, B., Begleiter, H., and Garozzo, R. (1980).
Visual evoked potential correlates of information processing deficits in chronic alcoholics.
In: Begleiter, H. (ed.), *Advances in Experimental Medicine and Biology, Volume 126, Biological Effects of Alcohol*.
Plenum Publishing Corporation, London, 603-623.
- Porjesz, B. and Begleiter, H. (1982).
Evoked brain potential differentiation between geriatric subjects and chronic alcoholics with brain dysfunction.
In: Courjon, J., Mauguiere, F., and Revol, M. (eds.), *Advances in Neurology, Volume 32, Clinical Applications of Evoked Potentials in Neurology*.
Raven Press, New York, 117-124.
- Porjesz, B. and Begleiter, H. (1983).
Brain dysfunction and alcohol.
In: Kissin, B., Begleiter, H. (eds.), *The pathogenesis of alcoholism: biological factors*.
Plenum Press, New York, 415-483.
- Begleiter, H. and Porjesz, B. (1984).
Brain electrophysiology and alcoholism.
In: Edwards, G., and Littleton, J. (eds.), *Pharmacological Treatments for Alcoholism*.
Crown Helm Ltd., London, 351-362.
- Begleiter, H. and Porjesz, B. (1985).
Evoked brain potentials in abstinent alcoholics and boys at risk for alcoholism.
In: Chang, N.C. and Chao, H.M. (eds.), *NIAAA Research Monograph No. 17. Early Identification of Alcohol Abuse*.
NIH Publication, Rockville, MD, 240-254.

- Porjesz, B. and Begleiter, H. (1985).
Human brain electrophysiology and alcoholism.
In: Tarter, R.E. and Van Thiel, D.H. (eds.), *Alcohol and the Brain*.
Plenum Press, New York, 139-182.
- Begleiter, H. and Porjesz, B. (1986).
The P300 component of the event-related brain potential in psychiatric patients.
In: Cracco, R.Q. (ed.), *Evoked Potentials*.
Alan R. Liss, Inc., New York, 529-535.
- Porjesz, B. and Begleiter, H. (1987).
Evoked brain potentials and alcoholism.
In: Parsons, O.A., Butters, N., and Nathan, P. (eds.), *Neurophysiology of Alcoholism*.
Guilford Press, New York, 45-63.
- Begleiter, H. and Porjesz, B. (1988).
Neurophysiological dysfunction in alcoholism.
In: Rose, R.M. and Barrett, J.E. (eds.), *Alcoholism: Origin and Outcome*.
Raven Press, New York, 157-174.
- Porjesz, B. and Begleiter, H. (1990).
Individuals at risk for alcoholism: Neurophysiologic processes.
In: Cloninger, C.R., Begleiter, H. (eds.), *Genetics and Biology of Alcoholism*.
Cold Spring Harbor Laboratory Press, New York, 137-157.
- Begleiter, H. (1991).
Genetic disposition to alcoholism: Overview.
In: Galanter, M. (ed.), *Recent Developments in Alcoholism, Volume 9, Children of Alcoholics*.
Plenum Publishing Corporation, New York, 3-4.
- Porjesz, B. and Begleiter, H. (1991).
Neurophysiological factors in individuals at risk for alcoholism.
In: Galanter, M. (ed.), *Recent Developments in Alcoholism, Volume 9, Children of Alcoholics*.
Plenum Publishing Corporation, New York, 53-67.
- Odenrantz, J., O Connor, S., Begleiter, H., and Zhang, G. (1992).
The topographic analysis of model-referenced evoked potential components.
In: Zakhari, S. and Witt, E. (eds.), *NIAAA Research Monograph No. 21: Imaging in Alcohol Research, Proceedings of a workshop on imaging in alcohol research, May 9-11, 1991, Wild Dunes, South Carolina*, Rockville, MD, 79-95.
- Begleiter, H. and Porjesz, B. (1993).
Brain electrophysiology in subjects at risk for alcoholism.
In: Korenman, S.G. and Barchas, J. (eds.), *Biological Basis of Substance Abuse*.
Oxford University Press, New York, 413-424.
- Porjesz, B. and Begleiter, H. (1993).
Neurophysiological factors associated with alcoholism.
In: Hunt, W.A. and Nixon, S.J., (eds.), *NIAAA Research Monograph No. 22. Alcohol-induced Brain Damage*.
NIH Publication, Rockville, MD, 89-120.
- Begleiter, H. and Porjesz, B. (1995).
Neurophysiological phenotypic factors in the development of alcoholism.
In: Begleiter, H. and Kissin, B. (eds.), *Alcohol and Alcoholism, Vol. 1, The Genetics of Alcoholism*.
Oxford University Press, New York, 269-293.

- Porjesz, B. and Begleiter, H. (1996).
Effects of alcohol on electrophysiological activity of the brain.
In: Begleiter, H., Kissin, B. (eds.), *Alcohol and Alcoholism, Vol. 2, The Pharmacology of Alcohol and Alcohol Dependence*.
Oxford University Press, New York, 207-247.
- Porjesz, B., Begleiter, H., Litke, A., Bauer, L.O., Kuperman, S., O'Connor, S.J., and Rohrbaugh, J. (1996).
Visual P3 as a potential phenotypic marker for alcoholism: Evidence from the COGA national project.
In: Ogura, C., Koga, Y., Shimokochi, M. (eds.), *Recent Advances in Event-Related Brain Potential Research*.
Elsevier Science, Holland, 539-549.
- Samar, V.J., Begleiter, H., Chapa, J.O., Raghuveer, M.R., Orlando, M., and Chorlian, D. (1996).
Matched meyer neural wavelets for clinical and experimental analysis of auditory and visual evoked potentials.
In: Ramponi, G., Sicuranza, G.L., Carrato, S., and Marsi, S. (eds.), *Signal Processing VIII, theories and applications; Proceedings of EUSIPCO-96, Vol. 1*.
LINT Edition, Trieste, 387-390.
- Porjesz, B., Jones, K., and Begleiter, H. (2004).
The genetics of oscillations in the human brain.
In: Hallett, M., Phillips II, L.H., Schomer, D.L., Massey, J.M. (eds.), *Advances in Clinical Neurophysiology (Supplements to Clinical Neurophysiology, Volume 57)*.
Elsevier B.V., The Netherlands, 437-445.
- Chen, A.C., Rangaswamy, M., and Porjesz, B. (2012).
Endophenotypes in psychiatric genetics.
In: Nurnberger, J.I. and Berretini, W.H. (eds.), *Principles of Psychiatric Genetics*.
Cambridge University Press, 347-362.
- Kamarajan, C. and Porjesz, B. (2012).
Brain waves in impulsivity spectrum disorders..
In: Cyders, M.A. (ed.), *Psychology of Impulsivity*.
Nova Science Publishers, Hauppauge, NY, 20-93.
- Rangaswamy, M. and Porjesz, B. (2014).
Understanding alcohol use disorders with neuroelectrophysiology.
In: Sullivan, E.V. and Pfefferbaum, A. (eds.), *Handbook of Clinical Neurology, Volume 125 (3rd edition), Alcohol and the Nervous System*.
Elsevier B.V., The Netherlands, ISBN-13: 978-0444626196
Handbook of Clinical Neurology 125C:383-414. PMID: 25307587.

Journal Articles

Publications between 1965 and 1969

- Gross, M.M., Begleiter, H., Tobin, M., and Kissin, B. (1965).
Auditory evoked response comparison during counting clicks and reading.
Electroencephalography and Clinical Neurophysiology 18:451-454.
- Gross, M.M., Begleiter, H., Tobin, M., and Kissin, B. (1966).
Changes in auditory evoked response induced by alcohol.
Journal of Nervous and Mental Disease 143:152-156.

Begleiter, H., Gross, M.M., and Kissin, B. (1967).
Evoked cortical responses to affective visual stimuli.
Psychophysiology 3:336-344.

Begleiter, H., Porjesz, B., and Gross, M.M. (1967).
Cortical evoked potentials and psychopathology. A critical review.
Archives of General Psychiatry 17:755-758.

Begleiter, H., Gross, M.M., Porjesz, B., and Kissin, B. (1969).
The effects of awareness on cortical evoked potentials to conditioned affective stimuli.
Psychophysiology 5:517-529.

Begleiter, H. and Platz, A. (1969).
Cortical evoked potentials to semantic stimuli.
Psychophysiology 6:91-100.

Begleiter, H. and Platz, A. (1969).
Evoked potentials: modifications by classical conditioning.
Science 166:769-771.

Publications between 1970 and 1974

Branchey, M., Begleiter, H., and Kissin, B. (1970).
The effect of various doses of alcohol on sleep in the rat.
Communications in Behavioral Biology 5:75-79.

Begleiter, H. and Platz, A. (1971).
Electrophysiological changes during stimulus generalization.
Psychoneurological Science 23:373-374.

Begleiter, H., Branchey, M.H., and Kissin, B. (1972).
Effects of ethanol on evoked potentials in the rat.
Behavioral Biology 7:137-142.

Begleiter, H., Porjesz, B., Yerre, C., and Kissin, B. (1973).
Evoked potential correlates of expected stimulus intensity.
Science 179:814-816.

Begleiter, H. (1974).
Propranolol and alcohol consumption in the rat.
American Journal of Drug and Alcohol Abuse 1:107-110.

Begleiter, H., Porjesz, B., and Yerre-Grubstein, C. (1974).
Excitability cycle of somatosensory evoked potentials during experimental alcoholization and withdrawal.
Psychopharmacologia 37:15-21.

Ho, A.K.S., Tsai, C.S., Chen, R.C.A., Begleiter, H., and Kissin, B. (1974).
Experimental studies on alcoholism. I. Increased in alcohol preference by 5.6-dihydroxytryptamine and brain acetylcholine.
Psychopharmacologia 40:101-107.

Publications in 1975

Begleiter, H. and Coltrera, M. (1975).
Evoked potential changes during ethanol withdrawal in rats.
American Journal of Drug and Alcohol Abuse 2:263-268.

Begleiter, H. and Porjesz, B. (1975).
Evoked brain potentials as indicators of decision-making.
Science 187:754-755.

Begleiter, H. and Porjesz, B. (1975).
On evoked potentials, cognition, and memory.
Science 190:1004-1006.

Porjesz, B. and Begleiter, H. (1975).
The effects of stimulus expectancy on evoked brain potentials.
Psychophysiology 12:152-157.

Publications in 1976

Denoble, V. and Begleiter, H. (1976).
Response suppression on a mixed schedule of reinforcement during alcohol withdrawal.
Pharmacology, Biochemistry and Behavior 5:227-229.

Publications in 1977

DeNoble, V. and Begleiter, H. (1977).
Changes in fixed-ratio performance and blood alcohol levels in monkeys.
Psychopharmacology 55:213-216.

Publications in 1978

Denoble, V.J. and Begleiter, H. (1978).
Alcohol self-administration in monkeys (*Macaca Radiata*): the effects of prior alcohol exposure.
Pharmacology, Biochemistry and Behavior 8:391-397.

Publications in 1979

Begleiter, H. and Porjesz, B. (1979).
Persistence of a "subacute withdrawal syndrome" following chronic ethanol intake.
Drug and Alcohol Dependence 4:353-357.

Denoble, V.J. and Begleiter, H. (1979).
Impairment of acquisition of a DRL schedule following prolonged ethanol consumption.
Pharmacology, Biochemistry and Behavior 10:393-396.

Publications in 1980

Begleiter, H., Porjesz, B., and Tenner, M. (1980).
Neuroradiological and neurophysiological evidence of brain deficits in chronic alcoholics.
Acta Psychiatrica Scandinavica Supplementum 286:3-13.

Porjesz, B., Begleiter, H., and Samuely, I. (1980).
Cognitive deficits in chronic alcoholics and elderly subjects assessed by evoked brain potentials.
Acta Psychiatrica Scandinavica Supplementum 286:15-29.

Publications in 1981

Begleiter, H. (1981).
Brain dysfunction and alcoholism: problems and prospects.
Alcoholism: Clinical and Experimental Research 5:264-266.

Begleiter, H., Porjesz, B., and Chou, C.L. (1981).
Auditory brainstem potentials in chronic alcoholics.
Science 211:1064-1066.

Begleiter, H., Porjesz, B., and Tenner, M. (1981).
Ereignisbezogene Hirnpotentiale und Computer-Tomographie bei chronischen Alkoholikern.
Wiener Zeitschrift für Suchtforschung 2:3-6.

Porjesz, B. and Begleiter, H. (1981).
Human evoked brain potentials and alcohol.
Alcoholism: Clinical and Experimental Research 5:304-317.

Publications in 1982

Porjesz, B. and Begleiter, H. (1982).
Evoked brain potential deficits in alcoholism and aging.
Alcoholism: Clinical and Experimental Research 6:53-63.

Publications in 1983

Begleiter, H., Porjesz, B., Chou, C.L., and Aunon, J.I. (1983).
P3 and stimulus incentive value.
Psychophysiology 20:95-101.

Brecher, M. and Begleiter, H. (1983).
Event-related potentials to high incentive stimuli in unmedicated schizophrenic patients.
Biological Psychiatry 18:661-674.

Publications in 1984

Begleiter, H., Porjesz, B., Bihari, B., and Kissin, B. (1984).
Event-related potentials in boys at risk for alcoholism.
Science 225:1493-1496.

Rawlings, R.R., Eckardt, M.J., and Begleiter, H. (1984).
Multivariate time series discrimination in the spectral domain.
Computers and Biomedical Research 17:352-361.

Publications in 1985

Begleiter, H. (1985).
Evoked brain potentials in children of alcoholics. Early Identification of Alcohol Abuse.
NIAAA Research Monograph #15/16, August.

Brecher, M. and Begleiter, H. (1985).
Brain stem auditory evoked potentials in unmedicated schizophrenic patients.
Biological Psychiatry 20:199-202.

Porjesz, B. and Begleiter, H. (1985).

The use of event-related potentials in the study of alcoholism: implications for the study of drugs of abuse.
NIDA Research Monograph 62:77-99.

Publications in 1986

Rawlings, R.R., Rohrbaugh, J.W., Begleiter, H., and Eckardt, M. (1986).

Spectral methods for principal components analysis of event-related brain potentials.
Computers and Biomedical Research 19:497-507.

Publications in 1987

Begleiter, H., Porjesz, B., and Bihari, B. (1987).

Auditory brainstem potentials in sons of alcoholic fathers.
Alcoholism: Clinical and Experimental Research 11:477-480.

Begleiter, H., Porjesz, B., Rawlings, R., and Eckardt, M. (1987).

Auditory recovery function and P3 in boys at high risk for alcoholism.
Alcohol 4:315-321.

Brecher, M., Porjesz, B., and Begleiter, H. (1987).

Late positive component amplitude in schizophrenics and alcoholics in two different paradigms.
Biological Psychiatry 22:848-856.

Brecher, M., Porjesz, B., and Begleiter, H. (1987).

The N2 component of the event-related potential in schizophrenic patients.
Electroencephalography and Clinical Neurophysiology 66:369-375.

Porjesz, B., Begleiter, H., Bihari, B., and Kissin, B. (1987).

Event-related brain potentials to high incentive stimuli in abstinent alcoholics.
Alcohol 4:283-287.

Porjesz, B., Begleiter, H., Bihari, B., and Kissin, B. (1987).

The N₂ component of the event-related brain potential in abstinent alcoholics.
Electroencephalography and Clinical Neurophysiology 66:121-131.

Publications in 1988

Begleiter, H. and Porjesz, B. (1988).

Potential biological markers in individuals at high risk for developing alcoholism.
Alcoholism: Clinical and Experimental Research 12:488-493.

Rawlings, R.R., Eckardt, M.J., and Begleiter, H. (1988).

Multivariate spectral methods for the analysis of event-related brain potentials.
Computers and Biomedical Research 21:117-128.

Publications in 1990

Begleiter, H. and Porjesz, B. (1990).

Event-related potentials in populations at risk for alcoholism.
Electroencephalography and Clinical Neurophysiology Supplement 41:177-182.

Begleiter, H. and Porjesz, B. (1990).
Neuroelectric processes in individuals at risk for alcoholism.
Alcohol and Alcoholism 25:251-256.

Porjesz, B. and Begleiter, H. (1990).
Event-related potentials in individuals at risk for alcoholism.
Alcohol 7:465-469.

Publications in 1991

Cohen, H.L., Porjesz, B., and Begleiter, H. (1991).
EEG characteristics in males at risk for alcoholism.
Alcoholism: Clinical and Experimental Research 15:858-861.

Publications in 1992

Zaninelli, R.M., Porjesz, B., and Begleiter, H. (1992).
The Tridimensional Personality Questionnaire in males at high and low risk for alcoholism.
Alcoholism: Clinical and Experimental Research 16:68-70.

Publications in 1993

Begleiter, H., Porjesz, B., and Wang, W. (1993).
A neurophysiologic correlate of visual short-term memory in humans.
Electroencephalography and Clinical Neurophysiology 87:46-53.

Cohen, H.L., Porjesz, B., and Begleiter, H. (1993).
Ethanol-induced alterations in electroencephalographic activity in adult males.
Neuropsychopharmacology 8:365-370.

Cohen, H.L., Porjesz, B., and Begleiter, H. (1993).
The effects of ethanol on EEG activity in males at risk for alcoholism.
Electroencephalography and Clinical Neurophysiology 86:368-376.

Realnuto, G., Begleiter, H., Odencrantz, J., and Porjesz, B. (1993).
Event-related potential evidence of dysfunction in automatic processing in abstinent alcoholics.
Biological Psychiatry 33:594-601.

Publications in 1994

Alexander, J.E., Polich, J., Bloom, F.E., Bauer, L.O., Kuperman, S., Rohrbaugh, J., Morzorati, S., O'Connor, S.J.,
Porjesz, B., and Begleiter, H. (1994).
P300 from an auditory oddball task: inter-laboratory consistency.
International Journal of Psychophysiology 17:35-46.

Cohen, H.L., Wang, W., Porjesz, B., Bauer, L., Kuperman, S., O'Connor, S.J., Rohrbaugh, J., and Begleiter, H. (1994).
Visual P300: an interlaboratory consistency study.
Alcohol 11:583-587.

Hertz, S., Porjesz, B., Begleiter, H., and Chorlian, D. (1994).
Event-related potentials to faces: the effects of priming and recognition.
Electroencephalography and Clinical Neurophysiology 92:342-351.

Wang, W., Begleiter, H., and Porjesz, B. (1994).
Surface energy, its density and distance: new measures with application to human cerebral potentials.
Brain Topography 6:193-202.

Wang, W., Begleiter, H., and Porjesz, B. (1994).
Multivariate composite estimators: new ways to track signals with application to human cerebral potentials.
Brain Topography 7:9-15.

Wang, W., Begleiter, H., and Porjesz, B. (1994).
Localization of multiple dipole sources of human cerebral potential based on scd and a model selection criterion.
Proceedings of the Section of Statistics in Epidemiology of the American Statistical Association 217-222.

Publications in 1995

Alexander, J.E. and Polich, J. (1995).
P300 differences between sinistrals and dextrals.
Cognitive Brain Research 2:277-280. PMID: 8580741

Alexander, J.E., Porjesz, B., Bauer, L.O., Kuperman, S., Morzorati, S., O'Connor, S.J., Rohrbaugh, J., Begleiter, H., and Polich, J. (1995).
P300 hemispheric amplitude asymmetries from a visual oddball task.
Psychophysiology 32:467-475.

Begleiter, H., Porjesz, B., and Wang, W. (1995).
Event-related brain potentials differentiate priming and recognition to familiar and unfamiliar faces.
Electroencephalography and Clinical Neurophysiology 94:41-49.

Begleiter, H., Reich, T., Hesselbrock, V.M., Porjesz, B., Li, T.K., Schuckit, M.A., Edenberg, H.J., and Rice, J.P. (1995).
The Collaborative Study on the Genetics of Alcoholism.
Alcohol Health & Research World 19(4):228-236.

Chorlian, D.B., Porjesz, B., and Cohen, H.L. (1995).
Measuring electrical activity of the brain: ERP mapping in alcohol research.
Alcohol Health & Research World 19(4):315-320.

Cohen, H.L., Wang, W., Porjesz, B., and Begleiter, H. (1995).
Auditory P300 in young alcoholics: regional response characteristics.
Alcoholism: Clinical and Experimental Research 19:469-475.

Kuperman, S., Porjesz, B., Arndt, S., Bauer, L., Begleiter, H., Cizadlo, T., O'Connor, S., and Rohrbaugh, J. (1995).
Multi-center N400 ERP consistency using a primed and unprimed word paradigm.
Electroencephalography and Clinical Neurophysiology 94:462-470.

Porjesz, B., and Begleiter, H. (1995).
Event-related potentials and cognitive function in alcoholism.
Alcohol Health and Research World 19:108-112.

Porjesz, B. and Begleiter, H. (1995).
The Collaborative Study on the Genetics of Alcoholism: Neurophysiological component
Alcohol Health & Research World 19:228-236.

Rice, J.P., Reich, T., Bucholz, K.K., Neuman, R.J., Fishman, R., Rochberg, N., Hesselbrock, V.M., Nurnberger, J.I., Jr., Schuckit, M.A., and Begleiter, H. (1995).

Comparison of direct interview and family history diagnoses of alcohol dependence.
Alcoholism: Clinical and Experimental Research 19:1018-1023.

Volkow, N.D., Wang, G.J., Begleiter, H., Hitzemann, R., Pappas, N., Burr, G., Pascani, K., Wong, C., Fowler, J.S., and Wolf, A.P. (1995).

Regional brain metabolic response to Lorazepam in subjects at risk for alcoholism.
Alcoholism: Clinical and Experimental Research 19:510-516.

Zhang, X.L., Begleiter, H., Porjesz, B., Wang, W., and Litke, A. (1995).

Event related potentials during object recognition tasks.
Brain Research Bulletin 38:531-538.

Publications in 1996

Alexander, J.E., Bauer, L.O., Kuperman, S., Rohrbaugh, J., Morzorati, S., O'Connor, S.J., Porjesz, B., Begleiter, H., and Polich, J. (1996).

Hemispheric differences for P300 amplitude from an auditory oddball task.
International Journal of Psychophysiology 21:189-196.

Cohen, H.L., Porjesz, B., and Begleiter, H. (1996).

Temporal recovery of auditory evoked potentials in individuals at risk for alcoholism.
Alcohol 13:333-339.

Ramachandran, G., Porjesz, B., Begleiter, H., and Litke, A. (1996).

A simple auditory oddball task in young adult males at high risk for alcoholism.
Alcoholism: Clinical and Experimental Research 20:9-15

Reich, T.A., Begleiter, H., Edenberg, H.J., and Cloninger, C.R. (1996).

A genomic survey of alcohol dependence and related phenotypes: Results from the Collaborative Study on the Genetics of Alcoholism (COGA).

Alcoholism: Clinical and Experimental Research 20(8)Supplement:133A-137A.

Publications in 1997

Alexander, J.E. and Polich, J. (1997)

Handedness and P300 from Auditory Stimuli.
Brain and Cognition 1997; 35:259-270. PMID: 9356165

Cohen, H.L., Porjesz, B., Begleiter, H., and Wang, W. (1997).

Neurophysiological correlates of response production and inhibition in alcoholics.
Alcoholism: Clinical and Experimental Research 21:1398-1406.

Cohen, H.L., Porjesz, B., Begleiter, H., and Wang, W. (1997).

Neuroelectric correlates of response production and inhibition in individuals at risk to develop alcoholism.
Biological Psychiatry 42:57-67.

Kozioł, J.A., Alexander, J.E., Bauer, L.O., Kuperman, S., Morzorati, S., O'Connor, S.J., Rohrbaugh, J., Porjesz, B., Begleiter, H., and Polich, J. (1997).

A graphical technique for displaying correlation matrices.
The American Statistician 51(4):301-304.

Polich, J., Alexander, J., Kuperman, S., Morzorati, S., O'Connor, S.J., Porjesz, B., Rohrbaugh, J., and Begleiter, H. (1997).

P300 topography of amplitude/latency correlations.

Brain Topography 9:1-8.

Porjesz, B. and Begleiter, H. (1997).
Event-related potentials in COA's.
Alcohol Health and Research World 21:236-240.

Rohrbaugh, J.W., Dunham, D.N., Stewart, P.A., Bauer, L.O., Kuperman, S., O'Connor, S.J., Porjesz, B., and Begleiter, H. (1997).
Slow brain potentials in a visual-spatial memory task: topographic distribution and inter-laboratory consistency.
International Journal of Psychophysiology 25:111-122.

Zhang, X.L., Begleiter, H., and Porjesz, B. (1997).
Do chronic alcoholics have intact implicit memory? An ERP study.
Electroencephalography and Clinical Neurophysiology 103:457-473.

Zhang, X.L., Begleiter, H., and Porjesz, B. (1997).
Is working memory intact in alcoholics? An ERP study.
Psychiatry Research 75:75-89.

Zhang, X.L., Begleiter, H., Porjesz, B., and Litke, A. (1997).
Electrophysiological evidence of memory impairment in alcoholic patients.
Biological Psychiatry 42:1157-1171.

Zhang, X.L., Begleiter, H., Porjesz, B., and Litke, A. (1997).
Visual object priming differs from visual word priming: an ERP study.
Electroencephalography and Clinical Neurophysiology 102:200-215.

Zhang, X.L., Begleiter, H., Porjesz, B., and Litke, A. (1997).
Reflection of working memory: ERP mnemonic effects.
Electroencephalography and Clinical Neurophysiology 104:546-554.

Publications in 1998

Begleiter, H., Porjesz, B., Reich, T., Edenberg, H.J., Goate, A., Blangero, J., Almasy, L., Foroud, T., Van Eerdewegh, P., Polich, J., Rohrbaugh, J., Kuperman, S., Bauer, L.O., O'Connor, S.J., Chorlian, D.B., Li, T.K., Conneally, P.M., Hesselbrock, V., Rice, J.P., Schuckit, M.A., Cloninger, R., Nurnberger, J., Jr., Crowe, R., and Bloom, F.E. (1998).
Quantitative trait loci analysis of human event-related brain potentials: P3 voltage.
Electroencephalography and Clinical Neurophysiology 108:244-250.

Bierut, L.J., Dinwiddie, S.H., Begleiter, H., Crowe, R.R., Hesselbrock, V., Nurnberger, J.I., Jr., Porjesz, B., Schuckit, M.A., and Reich, T. (1998).
Familial transmission of substance dependence: alcohol, marijuana, cocaine, and habitual smoking: a report from the Collaborative Study on the Genetics of Alcoholism.
Archives of General Psychiatry 55:982-988.

Cloninger, C.R., Van Eerdewegh, P., Goate, A., Edenberg, H.J., Blangero, J., Hesselbrock, V., Reich, T., Nurnberger, J.I., Schuckit, M., Porjesz, B., Crowe, R., Rice, J.P., Foroud, T., Przybeck, T.R., Almasy, L., Buchholz, K., Wu, W., Shears, S., Carr, K., Crose, C., Willig, C., Zhou, J., Tischfield, J.A., Li, T.-K., Conneally, P.M., and Begleiter, H. (1998).
Anxiety proneness linked to epistatic loci in genome scan of human personality traits.
American Journal of Medical Genetics 81:313-317.

Cohen, H.L., Porjesz, B., Stimus, A.T., and Begleiter, H. (1998).
Effects of ethanol on temporal recovery of auditory-evoked potentials in individuals at risk for alcoholism.

Alcoholism: Clinical and Experimental Research 22:945-953.

Edenberg, H.J., Foroud, T., Koller, D.L., Goate, A., Rice, J., Van Eerdewegh, P., Reich, T., Cloninger, C.R., Nurnberger, J.I., Jr., Kowalczyk, M., Wu, B., Li, T.K., Conneally, P.M., Tischfield, J.A., Wu, W., Shears, S., Crowe, R., Hesselbrock, V., Schuckit, M., Porjesz, B., and Begleiter, H. (1998).

A family-based analysis of the association of the dopamine D2 receptor (DRD2) with alcoholism.

Alcoholism: Clinical and Experimental Research 22:505-512.

Edenberg, H.J., Foroud, T., Koller, D.L., Goate, A., Rice, J., Van Eerdewegh, P., Reich, T., Cloninger, C.R., Nurnberger, J.I., Jr., Kowalczyk, M., Wu, B., Li, T.K., Conneally, P.M., Tischfield, J.A., Wu, W., Shears, S., Crowe, R., Hesselbrock, V., Schuckit, M., Porjesz, B., and Begleiter, H. (1998).

Letter to the editor, *Science*, in response to previously published letter to the editor by Dr. Ernest Noble, re: A family-based analysis of the association of the dopamine D2 receptor (DRD2) with alcoholism.

Science 282:1265.

Edenberg, H.J., Reynolds, J., Koller, D.L., Begleiter, H., Bucholz, K.K., Conneally, P.M., Crowe, R., Goate, A., Hesselbrock, V., Li, T.K., Nurnberger, J.I., Jr., Porjesz, B., Reich, T., Rice, J.P., Schuckit, M., Tischfield, J.A., and Foroud, T. (1998).

A family-based analysis of whether the functional promoter alleles of the serotonin transporter gene *HTT* affect the risk for alcohol dependence.

Alcoholism: Clinical and Experimental Research 22:1080-1085.

Foroud, T., Bucholz, K.K., Edenberg, H.J., Goate, A., Neuman, R.J., Porjesz, B., Koller, D.L., Rice, J., Reich, T., Bierut, L.J., Cloninger, C.R., Nurnberger, J.I., Jr., Li, T.K., Conneally, P.M., Tischfield, J.A., Crowe, R., Hesselbrock, V., Schuckit, M., and Begleiter, H. (1998).

Linkage of an alcoholism-related severity phenotype to chromosome 16.

Alcoholism: Clinical and Experimental Research 22:2035-2042.

Ji, J., Porjesz, B., and Begleiter, H. (1998).

ERP components in category matching tasks.

Electroencephalography and Clinical Neurophysiology 108:380-389.

Ji, J., Porjesz, B., Chorlian, D., and Begleiter, H. (1998).

Event-related potentials during digit recognition tasks.

Brain Research Cognitive Brain Research 7:179-190.

Porjesz, B. and Begleiter, H. (1998).

Genetic basis of event-related potentials and their relationship to alcoholism and alcohol use.

Journal of Clinical Neurophysiology 15:44-57.

Porjesz, B., Begleiter, H., Reich, T., Van Eerdewegh, P., Edenberg, H.J., Foroud, T., Goate, A., Litke, A., Chorlian, D.B., Stimus, A., Rice, J., Blangero, J., Almasy, L., Sorbell, J., Bauer, L.O., Kuperman, S., O'Connor, S.J., and Rohrbach, J. (1998).

Amplitude of visual P3 event-related potential as a phenotypic marker for a predisposition to alcoholism: preliminary results from the COGA Project. Collaborative Study on the Genetics of Alcoholism.

Alcoholism: Clinical and Experimental Research 22:1317-1323.

Reich, T., Edenberg, H.J., Goate, A., Williams, J.T., Rice, J.P., Van Eerdewegh, P., Foroud, T., Hesselbrock, V., Schuckit, M.A., Bucholz, K., Porjesz, B., Li, T.K., Conneally, P.M., Nurnberger, J.I., Jr., Tischfield, J.A., Crowe, R.R., Cloninger, C.R., Wu, W., Shears, S., Carr, K., Crose, C., Willig, C., and Begleiter, H. (1998).

Genome-wide search for genes affecting the risk for alcohol dependence.

American Journal of Medical Genetics 81:207-215.

Wang, K., Begleiter, H., and Porjesz, B. (1998).
 Spatial enhancement of event-related potentials using multiresolution analysis.
Brain Topography 10:191-200.

Wang, K., Begleiter, H., and Porjesz, B. (1998).
 Analysis of repeated measurements in curves (brain potentials).
Proceedings of the Section of Statistics in Epidemiology of the American Statistical Association 122-127.

Publications in 1999

Almasy, L., Porjesz, B., Blangero, J., Chorlian, D.B., O'Connor, S.J., Kuperman, S., Rohrbaugh, J., Bauer, L.O., Reich, T., Polich, J., and Begleiter, H. (1999).
 Heritability of event-related brain potentials in families with a history of alcoholism.
American Journal of Medical Genetics 88:383-390.

Begleiter, H. and Porjesz, B. (1999).
 What is inherited in the predisposition toward alcoholism? A proposed model.
Alcoholism: Clinical and Experimental Research 23:1125-1135.

Begleiter, H., Reich, T., Nurnberger, J., Jr., Li, T.K., Conneally, P.M., Edenberg, H., Crowe, R., Kuperman, S., Schuckit, M., Bloom, F., Hesselbrock, V., Porjesz, B., Cloninger, C.R., Rice, J., and Goate, A. (1999).
 Description of the Genetic Analysis Workshop 11 Collaborative Study on the Genetics of Alcoholism.
Genetic Epidemiology 17 (Suppl 1):S25-S30.

Holguin, S.R., Porjesz, B., Chorlian, D.B., Polich, J., and Begleiter, H. (1999).
 Visual P3a in male subjects at high risk for alcoholism.
Biological Psychiatry 46:281-291.

Holguin, S.R., Porjesz, B., Chorlian, D.B., Polich, J., and Begleiter, H. (1999).
 Visual P3a in male alcoholics and controls.
Alcoholism: Clinical and Experimental Research 23:582-591.

Ji, J., Porjesz, B., and Begleiter, H. (1999).
 Event-related potential index of semantic mnemonic dysfunction in abstinent alcoholics.
Biological Psychiatry 45:494-507.

Ji, J., Porjesz, B., Begleiter, H., and Chorlian, D. (1999).
 P300: the similarities and differences in the scalp distribution of visual and auditory modality.
Brain Topography 11:315-327.

Neuman, R.J., Todd, R.D., Heath, A.C., Reich, W., Hudziak, J.J., Bucholz, K.K., Madden, P.A., Begleiter, H., Porjesz, B., Kuperman, S., Hesselbrock, V., and Reich, T. (1999).
 Evaluation of ADHD typology in three contrasting samples: a latent class approach.
Journal of the American Academy of Child and Adolescent Psychiatry 38:25-33.

Stassen, H.H., Begleiter, H., Porjesz, B., Rice, J., Scharfetter, C., and Reich, T. (1999).
 Structural decomposition of genetic diversity in families with alcoholism.
Genetic Epidemiology 17 (Suppl 1):S325-330.

Wang, K. and Begleiter, H. (1999).
 Local polynomial estimate of surface Laplacian.
Brain Topography 12:19-29.

Williams, J.T., Begleiter, H., Porjesz, B., Edenberg, H.J., Foroud, T., Reich, T., Goate, A., Van Eerdewegh, P., Almasy, L., and Blangero, J. (1999).

Joint multipoint linkage analysis of multivariate qualitative and quantitative traits. II. Alcoholism and event-related potentials.

American Journal of Human Genetics 65:1148-1160.

Publications in 2000

Anokhin, A.P., Vedeniapin, A.B., Sirevaag, E.J., Bauer, L.O., O'Connor, S.J., Kuperman, S., Porjesz, B., Reich, T., Begleiter, H., Polich, J., and Rohrbaugh, J.W. (2000).

The P300 brain potential is reduced in smokers.

Psychopharmacology 149:409-413.

Begleiter, H. and Porjesz, B. (2000).

What is inherited in the predisposition to alcoholism: New model or more muddle?

Alcoholism: Clinical and Experimental Research 24:246-250.

Bierut, L.J., Rice, J.P., Edenberg, H.J., Goate, A., Foroud, T., Cloninger, C.R., Begleiter, H., Conneally, P.M., Crowe, R.R., Hesselbrock, V., Li, T.K., Nurnberger, J.I., Jr., Porjesz, B., Schuckit, M.A., and Reich, T. (2000).

Family-based study of the association of the dopamine D2 receptor gene (DRD2) with habitual smoking.

American Journal of Medical Genetics 90:299-302.

Costa, L., Bauer, L., Kuperman, S., Porjesz, B., O'Connor, S., Hesselbrock, V., Rohrbaugh, J., and Begleiter, H. (2000).

Frontal P300 decrements, alcohol dependence, and antisocial personality disorder.

Biological Psychiatry 47:1064-1071.

Foroud, T., Edenberg, H.J., Goate, A., Rice, J., Flury, L., Koller, D.L., Bierut, L.J., Conneally, P.M., Nurnberger, J.I., Jr., Bucholz, K.K., Li, T.K., Hesselbrock, V., Crowe, R., Schuckit, M., Porjesz, B., Begleiter, H., and Reich, T. (2000).

Alcoholism susceptibility loci: confirmation studies in a replicate sample and further mapping.

Alcoholism: Clinical and Experimental Research 24:933-945.

Hada, M., Porjesz, B., Begleiter, H., and Polich, J. (2000).

Auditory P3a assessment of male alcoholics.

Biological Psychiatry 48:276-286.

Saccone, N.L., Kwon, J.M., Corbett, J., Goate, A., Rochberg, N., Edenberg, H.J., Foroud, T., Li, T.K., Begleiter, H., Reich, T., and Rice, J.P. (2000).

A genome screen of maximum number of drinks as an alcoholism phenotype.

American Journal of Medical Genetics 96:632-637.

Taber, K.H., Hurley, R.A., Abi-Dargham, A., and Porjesz (2000).

Cortical inhibition in alcohol dependence.

Journal of Neuropsychiatry and Clinical Neurosciences 12:173 - 176.

Wang, K., Begleiter, H., and Porjesz, B. (2000).

Trilinear modeling of event-related potentials.

Brain Topography 12:263-271.

Publications in 2001

Almasy, L., Porjesz, B., Blangero, J., Goate, A., Edenberg, H.J., Chorlian, D.B., Kuperman, S., O'Connor, S.J., Rohrbaugh, J., Bauer, L.O., Foroud, T., Rice, J.P., Reich, T., and Begleiter, H. (2001).

Genetics of event-related brain potentials in response to a semantic priming paradigm in families with a history of alcoholism.

American Journal of Human Genetics 68:128-135.

Hada, M., Porjesz, B., Chorlian, D.B., Begleiter, H., and Polich, J. (2001).

Auditory P3a deficits in male subjects at high risk for alcoholism.

Biological Psychiatry 49:726-738.

Hesselbrock, V., Begleiter, H., Porjesz, B., O'Connor, S., and Bauer, L. (2001).

P300 event-related potential amplitude as an endophenotype of alcoholism-evidence from the collaborative study on the genetics of alcoholism.

Journal of Biomedical Science 8:77-82.

Prabhu, V.R., Porjesz, B., Chorlian, D.B., Wang, K., Stimus, A., and Begleiter, H. (2001).

Visual P3 in female alcoholics.

Alcoholism: Clinical and Experimental Research 25:531-539.

Wang, K., Begleiter, H., and Porjesz, B. (2001).

Warp-averaging event-related potentials.

Clinical Neurophysiology 112:1917-1924.

Zhang, X.L., Cohen, H.L., Porjesz, B., and Begleiter, H. (2001).

Mismatch negativity in subjects at high risk for alcoholism.

Alcoholism: Clinical and Experimental Research 25:330-337.

Publications in 2002

Ardekani, B.A., Choi, S.J., Hossein-Zadeh, G.A., Porjesz, B., Tanabe, J.L., Lim, K.O., Bilder, R., Helpen, J.A., and Begleiter, H. (2002).

Functional magnetic resonance imaging of brain activity in the visual oddball task.

Cognitive Brain Research 14:347-356.

Bierut, L.J., Saccone, N.L., Rice, J.P., Goate, A., Foroud, T., Edenberg, H., Almasy, L., Conneally, P.M., Crowe, R., Hesselbrock, V., Li, T.K., Nurnberger, J., Jr., Porjesz, B., Schuckit, M.A., Tischfield, J., Begleiter, H., and Reich, T. (2002).

Defining alcohol-related phenotypes in humans. The Collaborative Study on the Genetics of Alcoholism.

Alcohol Research & Health 26:208-213.

Cohen, H.L., Ji, J., Chorlian, D.B., Begleiter, H., and Porjesz, B. (2002).

Alcohol-related ERP changes recorded from different modalities: a topographic analysis.

Alcoholism: Clinical and Experimental Research 26:303-317.

Dick, D.M., Nurnberger, J., Jr., Edenberg, H.J., Goate, A., Crowe, R., Rice, J., Bucholz, K.K., Kramer, J., Schuckit, M.A., Smith, T.L., Porjesz, B., Begleiter, H., Hesselbrock, V., and Foroud, T. (2002).

Suggestive linkage on chromosome 1 for a quantitative alcohol-related phenotype.

Alcoholism: Clinical and Experimental Research 26:1453-1460.

Jones, K., Begleiter, H., Porjesz, B., Wang, K., and Chorlian, D. (2002).

Complexity measures of event related potential surface Laplacian data calculated using the wavelet packet transform.

Brain Topography 14:333-344.

Porjesz, B., Almasy, L., Edenberg, H.J., Wang, K., Chorlian, D.B., Foroud, T., Goate, A., Rice, J.P., O'Connor, S.J., Rohrbach, J., Kuperman, S., Bauer, L.O., Crowe, R.R., Schuckit, M.A., Hesselbrock, V., Conneally, P.M., Tischfield, J.A., Li, T.K., Reich, T., and Begleiter, H. (2002).

Linkage disequilibrium between the beta frequency of the human EEG and a GABA_A receptor gene locus.

Proceedings of the National Academy of Sciences of the United States of America 99:3729-3733.

Porjesz, B., Begleiter, H., Wang, K., Almasy, L., Chorlian, D.B., Stimus, A.T., Kuperman, S., O'Connor, S.J., Rohrbaugh, J., Bauer, L.O., Edenberg, H.J., Goate, A., Rice, J.P., and Reich, T. (2002). Linkage and linkage disequilibrium mapping of ERP and EEG phenotypes. *Biological Psychology* 61:229-248.

Rangaswamy, M., Porjesz, B., Chorlian, D.B., Wang, K., Jones, K.A., Bauer, L.O., Rohrbaugh, J., O'Connor, S.J., Kuperman, S., Reich, T., and Begleiter, H. (2002). Beta power in the EEG of alcoholics. *Biological Psychiatry* 52:831-842.

Publications in 2003

Chorlian, D.B., Porjesz, B., and Begleiter, H. (2003). Determination of human EEG alpha entrainment ERD/ERS using the continuous complex wavelet transform. *Proceedings of SPIE* 5102:145-55.

Ghosh, S., Begleiter, H., Porjesz, B., Chorlian, D.B., Edenberg, H.J., Foroud, T., Goate, A., and Reich, T. (2003). Linkage mapping of beta 2 EEG waves via non-parametric regression. *American Journal of Medical Genetics* 118B:66-71.

Porjesz, B. and Begleiter, H. (2003). Alcoholism and human electrophysiology. *Alcohol Research & Health* 27:153-160.

Rangaswamy, M., Porjesz, B., Chorlian, D.B., Choi, K., Jones, K.A., Wang, K., Rohrbaugh, J., O'Connor, S., Kuperman, S., Reich, T., and Begleiter, H. (2003). Theta power in the EEG of alcoholics. *Alcoholism: Clinical and Experimental Research* 27:607-615.

Rice, J.P., Saccone, N.L., Foroud, T., Edenberg, H.J., Nurnberger, J.I., Jr., Goate, A., Crowe, R.R., Hesselbrock, V., Schuckit, M., Porjesz, B., Reich, T., Begleiter, H. (2003). Alcoholism: The USA Collaborative Study on the Genetics of Alcoholism (COGA). In: *Encyclopedia of the Human Genome*. Macmillan Publishers Ltd, Nature Publishing Group, 60-66.

Song, J., Koller, D.L., Foroud, T., Carr, K., Zhao, J., Rice, J., Nurnberger, J.I., Jr., Begleiter, H., Porjesz, B., Smith, T.L., Schuckit, M.A., and Edenberg, H.J. (2003). Association of GABA_A receptors and alcohol dependence and the effects of genetic imprinting. *American Journal of Medical Genetics. Part B, Neuropsychiatric Genetics* 117B:39-45.

Suresh, S., Porjesz, B., Chorlian, D.B., Choi, K., Jones, K.A., Wang, K., Stimus, A., and Begleiter, H. (2003). Auditory P3 in female alcoholics. *Alcoholism: Clinical and Experimental Research* 27:1064-1074.

Publications in 2004

Bierut, L.J., Rice, J.P., Goate, A., Hinrichs, A.L., Saccone, N.L., Foroud, T., Edenberg, H.J., Cloninger, C.R., Begleiter, H., Conneally, P.M., Crowe, R.R., Hesselbrock, V., Li, T.K., Nurnberger, J.I., Jr., Porjesz, B., Schuckit, M.A., and Reich, T. (2004). A genomic scan for habitual smoking in families of alcoholics: Common and specific genetic factors in substance dependence. *American Journal of Medical Genetics* 124A:19-27.

Dick, D.M., Edenberg, H.J., Xuei, X., Goate, A., Kuperman, S., Schuckit, M., Crowe, R., Smith, T.L., Porjesz, B., Begleiter, H., and Foroud, T. (2004).

Association of *GABRG3* with alcohol dependence.

Alcoholism: Clinical and Experimental Research 28:4-9.

Dick, D.M., Li, T.K., Edenberg, H.J., Hesselbrock, V., Kramer, J., Kuperman, S., Porjesz, B., Bucholz, K., Goate, A., Nurnberger, J., and Foroud, T. (2004).

A genome-wide screen for genes influencing conduct disorder.

Molecular Psychiatry 9:81-86.

Edenberg, H.J., Dick, D.M., Xuei, X., Tian, H., Almasy, L., Bauer, L.O., Crowe, R.R., Goate, A., Hesselbrock, V., Jones, K., Kwon, J., Li, T.K., Nurnberger, J.I., Jr., O'Connor, S.J., Reich, T., Rice, J., Schuckit, M.A., Porjesz, B., Foroud, T., and Begleiter, H. (2004).

Variations in *GABRA2*, encoding the alpha 2 subunit of the GABA_A receptor, are associated with alcohol dependence and with brain oscillations.

American Journal of Human Genetics 74:705-714.

Jones, K.A., Porjesz, B., Almasy, L., Bierut, L., Goate, A., Wang, J.C., Dick, D.M., Hinrichs, A., Kwon, J., Rice, J.P., Rohrbaugh, J., Stock, H., Wu, W., Bauer, L.O., Chorlian, D.B., Crowe, R.R., Edenberg, H.J., Foroud, T., Hesselbrock, V., Kuperman, S., Nurnberger, J., Jr., O'Connor, S.J., Schuckit, M.A., Stimus, A.T., Tischfield, J.A., Reich, T., and Begleiter, H. (2004).

Linkage and linkage disequilibrium of evoked EEG oscillations with *CHRM2* receptor gene polymorphisms: implications for human brain dynamics and cognition.

International Journal of Psychophysiology 53:75-90.

Kamarajan, C., Porjesz, B., Jones, K.A., Choi, K., Chorlian, D.B., Padmanabhapillai, A., Rangaswamy, M., Stimus, A.T., and Begleiter, H. (2004).

The role of brain oscillations as functional correlates of cognitive systems: a study of frontal inhibitory control in alcoholism.

International Journal of Psychophysiology 51:155-180.

Nurnberger, J.I., Jr., Wiegand, R., Bucholz, K., O'Connor, S., Meyer, E.T., Reich, T., Rice, J., Schuckit, M., King, L., Petti, T., Bierut, L., Hinrichs, A.L., Kuperman, S., Hesselbrock, V., Porjesz, B. (2004).

A family study of alcohol dependence: coaggregation of multiple disorders in relatives of alcohol-dependent probands.

Archives of General Psychiatry 61:1246-56.

Rangaswamy, M., Porjesz, B., Ardekani, B.A., Choi, S.J., Tanabe, J.L., Lim, K.O., and Begleiter, H. (2004).

A functional MRI study of visual oddball: evidence for frontoparietal dysfunction in subjects at risk for alcoholism.

Neuroimage 21:329-339.

Rangaswamy, M., Porjesz, B., Chorlian, D.B., Wang, K., Jones, K.A., Kuperman, S., Rohrbaugh, J., O'Connor, S.J., Bauer, L.O., Reich, T., and Begleiter, H. (2004).

Resting EEG in offspring of male alcoholics: beta frequencies.

International Journal of Psychophysiology 51:239-251.

Stassen, H.H., Begleiter, H., Bierut, L., Culverhouse, R., Hinrichs, T., Porjesz, B., Rice, J., Scharfetter, C., Reich, T. (2004).

Oligogenic approaches to the predisposition of alcohol dependence. A genome-wide search on 255 families.

Neurology, Psychiatry and Brain Research 11:13-22.

Wang, J.C., Hinrichs, A.L., Stock, H., Budde, J., Allen, R., Bertelsen, S., Kwon, J.M., Wu, W., Dick, D.M., Rice, J., Jones, K., Nurnberger, J.I., Jr., Tischfield, J., Porjesz, B., Edenberg, H.J., Hesselbrock, V., Crowe, R., Schuckit, M., Begleiter, H., Reich, T., Goate, A.M., and Bierut, L.J. (2004).

Evidence of common and specific genetic effects: association of the muscarinic acetylcholine receptor M2

(CHRM2) gene with alcohol dependence and major depressive syndrome.
Human Molecular Genetics 13:1903-1911.

Publications in 2005

Corbett, J., Saccone, N.L., Foroud, T., Goate, A., Edenberg, H., Nurnberger, J., Porjesz, B., Begleiter, H., Reich, T., and Rice, J.P. (2005).

A sex-adjusted and age-adjusted genome screen for nested alcohol dependence diagnoses.

Psychiatric Genetics 15:25-30.

Culverhouse, R., Bucholz, K.K., Crowe, R.R., Hesselbrock, V., Nurnberger, J., Jr., Porjesz, B., Schuckit, M.A., Reich, T., Bierut, L.J. (2005).

Long-term stability of alcohol and other substance dependence diagnoses and habitual smoking: An evaluation after 5 years.

Archives of General Psychiatry 62:753-760.

Edenberg, H.J., Bierut, L.J., Boyce, P., Cao, M., Cawley, S., Chiles, R., Doheny, K.F., Hansen, M., Hinrichs, T., Jones, K., Kelleher, M., Kennedy, G.C., Liu, G., Marcus, G., McBride, C., Murray, S.S., Oliphant, A., Pettengill, J., Porjesz, B., Pugh, E.W., Rice, J.P., Rubano, T., Shannon, S., Steeke, R., Tischfield, J.A., Tsai, Y.Y., Zhang, C., and Begleiter, H. (2005).

Description of the data from the Collaborative Study on the Genetics of Alcoholism (COGA) and single-nucleotide polymorphism genotyping for Genetic Analysis Workshop 14.

BMC Genetics 6 (Supplement 1):S2.

Kamarajan, C., Porjesz, B., Jones, K.A., Choi, K., Chorlian, D.B., Padmanabhapillai, A., Rangaswamy, M., Stimus, A.T., and Begleiter, H. (2005).

Alcoholism is a disinhibitory disorder: neurophysiological evidence from a Go/No-Go task.

Biological Psychology 69:353-373.

Kamarajan, C., Porjesz, B., Jones, K.A., Chorlian, D.B., Padmanabhapillai, A., Rangaswamy, M., Stimus, A.T., and Begleiter, H. (2005).

Spatial-anatomical mapping of NoGo-P3 in the offspring of alcoholics: evidence of cognitive and neural disinhibition as a risk for alcoholism.

Clinical Neurophysiology 116:1049-1061.

Porjesz, B., Rangaswamy, M., Kamarajan, C., Jones, K.A., Padmanabhapillai, A., and Begleiter, H. (2005).

The utility of neurophysiological markers in the study of alcoholism.

Clinical Neurophysiology 116:993-1018.

Publications in 2006

Agrawal, A., Edenberg, H.J., Foroud, T., Bierut, L.J., Dunne, G., Hinrichs, A.L., Nurnberger, J.I., Crowe, R., Kuperman, S., Schuckit, M.A., Begleiter, H., Porjesz, B., and Dick, D.M. (2006).

Association of GABRA2 with Drug Dependence in the Collaborative Study of the Genetics of Alcoholism Sample.
Behavior Genetics 36:640-50.

Begleiter, H. and Porjesz, B. (2006).

Genetics of human brain oscillations.

International Journal of Psychophysiology 60:162-171.

Chorlian, D.B., Porjesz, B., and Begleiter, H. (2006).

Amplitude modulation of gamma band oscillations at alpha frequency produced by photic driving.

International Journal of Psychophysiology 61:262-278.

- Dick, D.M., Agrawal, A., Schuckit, M.A., Bierut, L., Hinrichs, A., Fox, L., Mullaney, J., Cloninger, C.R., Hesselbrock, V., Nurnberger, J.I., Jr., Almasy, L., Foroud, T., Porjesz, B., Edenberg, H., and Begleiter, H. (2006). Marital status, alcohol dependence, and *GABRA2*: evidence for gene-environment correlation and interaction. *Journal of Studies on Alcohol* 67:185-194.
- Dick, D.M., Aliev, F., Bierut, L., Goate, A., Rice, J., Hinrichs, A., Bertelsen, S., Wang, J.C., Dunn, G., Kuperman, S., Schuckit, M., Nurnberger, J., Jr., Porjesz, B., Begleiter, H., Kramer, J., Hesselbrock, V. (2006). Linkage analyses of IQ in the collaborative study on the genetics of alcoholism (COGA) sample. *Behavior Genetics* 36:77-86.
- Dick, D.M., Bierut, L., Hinrichs, A., Fox, L., Bucholz, K.K., Kramer, J., Kuperman, S., Hesselbrock, V., Schuckit, M., Almasy, L., Tischfield, J., Porjesz, B., Begleiter, H., Nurnberger, J., Jr., Xuei, X., Edenberg, H.J., and Foroud, T. (2006). The role of *GABRA2* in risk for conduct disorder and alcohol and drug dependence across developmental stages. *Behavior Genetics* 36:577-590.
- Dick, D.M., Jones, K., Saccone, N., Hinrichs, A., Wang, J.C., Goate, A., Bierut, L., Almasy, L., Schuckit, M., Hesselbrock, V., Tischfield, J., Foroud, T., Edenberg, H., Porjesz, B., and Begleiter, H. (2006). Endophenotypes successfully lead to gene identification: results from the collaborative study on the genetics of alcoholism. *Behavior Genetics* 36:112-126.
- Edenberg, H.J., Xuei, X., Chen, H.J., Tian, H., Wetherill, L.F., Dick, D.M., Almasy, L., Bierut, L., Bucholz, K.K., Goate, A., Hesselbrock, V., Kuperman, S., Nurnberger, J., Porjesz, B., Rice, J., Schuckit, M., Tischfield, J., Begleiter, H., and Foroud, T. (2006). Association of alcohol dehydrogenase genes with alcohol dependence: a comprehensive analysis. *Human Molecular Genetics* 15:1539-1549.
- Hinrichs, A.L., Wang, J.C., Bufo, B., Kwon, J.M., Budde, J., Allen, R., Bertelsen, S., Evans, W., Dick, D., Rice, J., Foroud, T., Nurnberger, J., Tischfield, J.A., Kuperman, S., Crowe, R., Hesselbrock, V., Schuckit, M., Almasy, L., Porjesz, B., Edenberg, H.J., Begleiter, H., Meyerhof, W., Bierut, L.J., and Goate, A.M. (2006). Functional variant in a bitter-taste receptor (*hTAS2R16*) influences risk of alcohol dependence. *American Journal of Human Genetics* 78:103-111.
- Jones, K.A., Porjesz, B., Almasy, L., Bierut, L., Goate, A., Hinrichs, A., Rice, J.P., Rohrbaugh, J., Bauer, L.O., Crowe, R.R., Edenberg, H.J., Foroud, T., Hesselbrock, V., Kuperman, S., Nurnberger Jr, J., O'Connor, S.J., Schuckit, M.A., Tischfield, J.A., and Begleiter, H. (2006). A cholinergic receptor gene (*CHRM2*) affects event-related oscillations. *Behavior Genetics* 36:627-39.
- Jones, K.A., Porjesz, B., Chorlian, D., Rangaswamy, M., Kamarajan, C., Padmanabhapillai, A., Stimus, A., and Begleiter, H. (2006). S-transform time-frequency analysis of P300 reveals deficits in individuals diagnosed with alcoholism. *Clinical Neurophysiology* 117:2128-2143.
- Kamarajan, C., Porjesz, B., Jones, K., Chorlian, D., Padmanabhapillai, A., Rangaswamy, M., Stimus, A., and Begleiter, H. (2006). Event-related oscillations in offspring of alcoholics: neurocognitive disinhibition as a risk for alcoholism. *Biological Psychiatry* 59:625-634.
- Padmanabhapillai, A., Porjesz, B., Ranganathan, M., Jones, K.A., Chorlian, D.B., Tang, Y., Kamarajan, C., Rangaswamy, M., Stimus, A., and Begleiter, H. (2006). Suppression of early evoked gamma band response in male alcoholics during a visual oddball task.

International Journal of Psychophysiology 60:15-26.

Padmanabhapillai, A., Tang, Y., Ranganathan, M., Rangaswamy, M., Jones, K.A., Chorlian, D.B., Kamarajan, C., Stimus, A.T., Kuperman, S., Rohrbaugh, J., O'Connor, S.J., Bauer, L.O., Schuckit, M.A., Begleiter, H., and Porjesz, B. (2006).

Evoked gamma band response in male adolescent subjects at high risk for alcoholism during a visual oddball task.

International Journal of Psychophysiology 62:262-271.

Volkow, N.D., Wang, G.-J., Begleiter, H., Porjesz, B., Fowler, J.S., Telang, F., Wong, C., Ma, Y., Logan, J., Goldstein, R., Alexoff, B., Thanos, P.K. (2006).

High levels of dopamine D2 receptors.

Archives of General Psychiatry 63:999-1006.

Wang, K., Porjesz, B., Jones, K.A., and Begleiter, H. (2006).

Genetic linkage and linkage disequilibrium analysis.

In: *Encyclopedia of Biopharmaceutical Statistics*, New York: Taylor and Francis, 1-12.

Xuei, X., Dick, D., Flury-Wetherill, L., Tian, H.J., Agrawal, A., Bierut, L., Goate, A., Bucholz, K., Schuckit, M., Nurnberger, J.I., Jr., Tischfield, J., Kuperman, S., Porjesz, B., Begleiter, H., Foroud, T., and Edenberg, H.J. (2006). Association of the κ -opioid system with alcohol dependence.

Molecular Psychiatry 11:1016-1024.

In Memoriam in *Alcoholism Clinical and Experimental Research* October 2006 - Vol. 30, Issue 10, Pages 1633-1642:

Ivan Diamond

Begleiter Memorial Introduction

Ting-Kai Li

Memories of Henri Begleiter

Bernice Porjesz

Henri Begleiter—In Memoriam

Harold Kalant

Henri Begleiter—A Personal Tribute

Howard J. Edenberg

In Memoriam: Henri Begleiter, PhD

Adolf Pfefferbaum

From Rats to Monkeys to Man—The Neurophysiology of Alcoholism: A Tribute to Henri Begleiter

Obituary in *International Journal of Psychophysiology* (2007), 63:1

Obituary in *Neuropsychopharmacology* (2006), 31:1840

Publications in 2007

Chen, A.C.H., Porjesz, B., Rangaswamy, M., Kamarajan, C., Tang, Y., Jones, K.A., Chorlian, D.B., Stimus, A.T., and Begleiter H. (2007).

Reduced frontal lobe activity in subjects with high impulsivity and alcoholism.

Alcoholism: Clinical and Experimental Research 31:156-165.

Chorlian, D.B., Tang, Y., Rangaswamy, M., O'Connor, S.J., Rohrbaugh, J., Taylor, R., and Porjesz, B. (2007).

Heritability of EEG coherence in a large sib-pair population.

Biological Psychology 75:260-266.

Dick, D.M., Aliev, F., Kramer, J., Wang, J.C., Hinrichs, A., Bertelsen, S., Kuperman, S., Schuckit, M., Nurnberger, J., Edenberg, H.J., Porjesz, B., Begleiter, H., Hesselbrock, V., Goate, A., and Bierut, L. (2007).

Association of *CHRM2* with IQ: Converging evidence for a gene influencing intelligence.

Behavior Genetics 37:265-272.

Dick, D.M., Wang, J.C., Plunkett, J., Aliev, F., Hinrichs, A., Bertelsen, S., Budde, J.P., Goldstein, E.L., Kaplan, D., Edenberg, H.J., Nurnberger, J., Jr., Hesselbrock, V., Schuckit, M., Kuperman, S., Tischfield, J., Porjesz, B., Begleiter, H., Bierut, L., and Goate, A. (2007).

Family-based association analyses of alcohol dependence phenotypes across *DRD2* and neighboring gene *ANKK1*.

Alcoholism: Clinical and Experimental Research 31:1645-1653.

Foroud, T., Flury-Wetherill, L., Liang, T., Dick, D.M., Hesselbrock, V., Kramer, J., Nurnberger, J.I., Jr., Schuckit, M., Carr, L., Porjesz, B., Xuei, X., and Edenberg, H.J. (2007).

Association of alcohol craving with α -synuclein (*SNCA*).

Alcoholism: Clinical and Experimental Research 31:537-545.

Porjesz, B. and Li, T.K. (2007),

Impulsivity and addiction: a tribute to Henri Begleiter

The Scientific World Journal 7:131-141

Porjesz, B. and Rangaswamy, M. (2007)

Neurophysiological endophenotypes, CNS disinhibition, and risk for alcohol dependence and related disorders.

The Scientific World Journal 7:121-123.

Rangaswamy, M., Jones, K.A., Porjesz, B., Chorlian, D.B., Padmanabhapillai, A., Kamarajan, C., Kuperman, S., Rohrbaugh, J., O'Connor S., Bauer L.O., Schuckit, M., and Begleiter, H. (2007).

Delta and theta oscillations as risk markers in adolescent offspring of alcoholics.

International Journal of Psychophysiology 63:3-15.

Tang, Y., Chorlian, D.B., Rangaswamy, M., O'Connor, S., Taylor, R., Rohrbaugh, J., Porjesz, B., and Begleiter, H. (2007).

Heritability of bipolar EEG spectra in a large sib-pair population.

Behavior Genetics 37:302-313.

Tang, Y., Chorlian, D.B., Rangaswamy, M., Porjesz, B., Bauer, L., Kuperman, S., O'Connor, S., Schuckit, M., Stimus, A., and Begleiter, H. (2007).

Genetic influences on bipolar EEG power spectra.

International Journal of Psychophysiology 65:2-9.

Publications in 2008

Agrawal, A., Hinrichs, A.L., Dunn, G., Bertelsen, S., Dick, D.M., Saccone, S.F., Saccone, N.L., Grucza, R.A., Wang, J.C., Cloninger, C.R., Edenberg, H.J., Foroud, T., Hesselbrock, V., Kramer, J., Bucholz, K.K., Kuperman, S., Nurnberger, J.I., Jr., Porjesz, B., Schuckit, M.A., Goate, A.M., and Bierut, L.J. (2008).

Linkage scan for quantitative traits identifies new regions of interest for substance dependence in the Collaborative Study on the Genetics of Alcoholism (COGA) sample.

Drug and Alcohol Dependence 93:12-20.

Bierut, L.J., Stitzel, J.A., Wang, J.C., Hinrichs, A.L., Grucza, R.A., Xuei, X., Saccone, N.L., Saccone, S.F., Bertelsen, S., Fox, L., Horton, W.J., Breslau, N., Budde, J., Cloninger, C.R., Dick, D.M., Foroud, T., Hatsukami, D., Hesselbrock, V., Johnson, E.O., Kramer, J., Kuperman, S., Madden, P.A.F., Mayo, K., Nurnberger, J., Jr., Pomerleau, O., Porjesz, B., Reyes, O., Schuckit, M., Swan, G., Tischfield, J.A., Edenberg, H.J., Rice, J.P., and Goate, A.M. (2008).

Variants in nicotinic receptors and risk for nicotine dependence.

American Journal of Psychiatry 165:1163-71.

Dick, D.M., Aliev, F., Wang, J.C., Grucza, R.A., Schuckit, M., Kuperman, S., Kramer, J., Hinrichs, A., Bertelsen, S., Budde, J.P., Hesselbrock, V., Porjesz, B., Edenberg, H.J., Bierut, L.J., and Goate, A. (2008).

Using dimensional models of externalizing psychopathology to aid in gene identification.

Archives of General Psychiatry 65:310-318.

Dick, D.M., Aliev, F., Wang, J.C., Saccone, S., Hinrichs, A., Bertelsen, S., Budde, J., Saccone, N., Foroud, T., Nurnberger, J., Jr, Xuei, X., Conneally, P.M., Schuckit, M., Almasy, L., Crowe, R., Kuperman, S., Kramer, J., Tischfield, J.A., Hesselbrock, V., Edenberg, H.J., Porjesz, B., Rice, J.P., Bierut, L., and Goate, A. (2008).

A systematic single nucleotide polymorphism screen to fine-map alcohol dependence genes on chromosome 7 identifies association with a novel susceptibility gene *ACN9*.

Biological Psychiatry 63:1047-1053.

Edenberg, H.J., Xuei, X.L., Wetherill, L.F., Bierut, L., Bucholz, K., Dick, D.M., Hesselbrock, V., Kuperman, S., Porjesz, B., Schuckit, M.A., Tischfield, J.A., Almasy, L.A., Nurnberger, J.I., and Foroud, T. (2008).

Association of *NFKB1*, which encodes a subunit of the transcription factor NF- κ B, with alcohol dependence.

Human Molecular Genetics 17:963-970.

Ghosh, S., Bierut, L.J., Porjesz, B., Edenberg, H.J., Dick, D., Goate, A., Hesselbrock, V., Nurnberger, J., Jr., Foroud, T., Kramer, J., Rice, J., and Begleiter, H. (2008).

A novel non-parametric regression reveals linkage on chromosome 4 for the number of externalizing symptoms in sib-pairs.

American Journal of Medical Genetics Part B: Neuropsychiatric Genetics 147B:1301-1305.

Grucza, R.A., Wang, J.C., Stitzel, J.A., Hinrichs, A.L., Saccone, S.F., Saccone, N.L., Bucholz, K.K., Cloninger, C.R., Neuman, R.J., Budde, J.P., Fox, L., Bertelsen, S., Kramer, J., Hesselbrock, V., Tischfield, J., Nurnberger, J.I., Jr, Almasy, L., Porjesz, B., Kuperman, S., Schuckit, M.A., Edenberg, H.J., Rice, J.P., Goate, A.M., and Bierut, L.J. (2008).

A risk allele for nicotine dependence in *CHRNA5* is a protective allele for cocaine dependence.

Biological Psychiatry 64:922-929.

Kamarajan, C., Rangaswamy, Chorlian, D. B., Manz, N., Tang, Y., Pandey, A. K., Roopesh, B. N., Stimus, A. T., and Porjesz, B. (2008).

Theta oscillations during the processing of monetary loss and gain: A perspective on gender and impulsivity.

Brain Research 1235:45-62.

Kramer, J., Chan, G., Dick, D., Kuperman, S., Bucholz, K., Hesselbrock, V., Edenberg, H., Polgreen, L., Hesselbrock, V., Schuckit, M., Nurnberger Jr., J., Kapp, E., Porjesz, B., and Bierut, L. (2008).

Multiple-domain predictors of problematic alcohol use in young adulthood.

Journal of Studies on Alcohol and Drugs 69:449-459.

Rangaswamy, M. and Porjesz, B. (2008).

From event-related potential to oscillations: genetic diathesis in brain (dys)function and alcohol dependence.

Alcohol Research & Health 31(3):238-242.

Rangaswamy, M., Porjesz, B. (2008).

Uncovering genes for cognitive (dys)function and predisposition for alcoholism spectrum disorders: A review of human brain oscillations as effective endophenotypes.

Brain Research 1235:153-171.

Wetherill, L., Schuckit, M.A., Hesselbrock, V., Xuei, X., Liang, T., Dick, D.M., Kramer, J., Nurnberger, J.I., Jr., Tischfield, J.A., Porjesz, B., Edenberg, H.J., and Foroud, T. (2008).

Neuropeptide Y receptor genes are associated with alcohol dependence, alcohol withdrawal phenotypes, and cocaine dependence.

Alcoholism: Clinical and Experimental Research 32:2031-2040.

Publications in 2009

Chen, A., Tang, Y., Rangaswamy, M., Almasy, L., Kuperman, S., Nurnberger, J., Jr., O'Connor, S., Edenberg, H., Schuckit, M., Tischfield, J., Foroud, T., Bierut, L., Rohrbaugh, J., Bauer, L., Rice, J., Hesselbrock, V., Goate, A., and Porjesz, B. (2009).

Association of single nucleotide polymorphisms in a glutamate receptor gene (*GRM8*) with theta power of event-related oscillations and alcohol dependence.

Neuropsychiatric Genetics Part B: American Journal of Medical Genetics 150B(3):359-68.

Chorlian, D.B., Rangaswamy, M., and Porjesz, B. (2009).

EEG coherence: topography and frequency structure.

Experimental Brain Research 198(1):59-83.

Kamarajan, C., Porjesz, B., Rangaswamy, M., Tang, Y., Chorlian, D. B., Padmanabhapillai, A., Saunders, R., Pandey, A. K., Roopesh, B.N., Manz, N., Stimus, A.T., and Begleiter H. (2009).

Brain signatures of monetary loss and gain: outcome-related potentials in a single outcome gambling task.

Behavioral Brain Research 197:62-76.

Roopesh, B.N., Rangaswamy, M., Kamarajan, C., Chorlian, D.B., Stimus, A., Bauer, L.O., Rohrbaugh, J., O'Connor, S.J., Kuperman, S., Schuckit, M., and Porjesz, B. (2009).

Priming deficiency in male subjects at risk for alcoholism: The N4 during a lexical decision task.

Alcoholism: Clinical and Experimental Research 33(12):2027-2036.

Wang, J.C., Gruzca, R., Cruchaga, C., Hinrichs, A.L., Bertelsen, S., Budde, J.P., Fox, L., Goldstein, E., Reyes, O., Saccone, N., Saccone, S., Xuei, X., Bucholz, K., Kuperman, S., Nurnberger, J., Jr., Rice, J.P., Schuckit, M., Tischfield, J., Hesselbrock, V., Porjesz, B., Edenberg, H.J., Bierut, L.J., and Goate, A.M. (2009).

Genetic variation in the *CHRNA5* gene affects mRNA levels and is associated with risk for alcohol dependence.

Molecular Psychiatry 14:501-510.

Publications in 2010

Bauer, L., Dick, D., Bierut, L., Bucholz, K., Edenberg, H., Kuperman, S., Kramer, J., Nurnberger, J., O'Connor, S., Rice, J., Rohrbaugh, J., Schuckit, M., Tischfield, J., Porjesz, B. and Hesselbrock, V. (2010).

Obesity, smoking, and frontal brain dysfunction.

The American Journal on Addictions 19(5):391-400.

Bierut, L.J., Agrawal, A., Bucholz, K.K., Doheny, K.F., Laurie, C., Pugh, E., Fisher, S., Fox, L., Howells, W., Bertelsen, S., Hinrichs, A.L., Almasy, L., Breslau, N., Culverhouse, R.C., Dick, D.M., Edenberg, H.J., Foroud, T., Gruzca, R.A., Hatsukami, D., Hesselbrock, V., Johnson, E.O., Kramer, J., Krueger, R.F., Kuperman, S., Lynskey, M., Mann, K., Neuman, R.J., Nöthen, M.M., Nurnberger, J.I., Jr., Porjesz, B., Ridinger, M., Saccone, N.L., Saccone, S.F., Schuckit, M.A., Tischfield, J.A., Wang, J.C., Rietschel, M., Goate, A.M., Rice, J.P.; as part of the Gene, Environment Association Studies (GENEVA) Consortium (2010).

A genome-wide association study of alcohol dependence.

Proceedings of the National Academy of Sciences of the United States of America 107(11):5082-5087.

- Chen, A.C.H., Manz, N., Tang, Y., Rangaswamy, M., Almasy, L., Kuperman, S., Nurnberger, J., Jr., O'Connor, S.J., Edenberg, H.J., Schuckit, M.A., Tischfield, J., Foroud, T., Bierut, L.J., Rohrbaugh, J., Rice, J.P., Goate, A., Hesselbrock, V. and Porjesz, B. (2010).
Single nucleotide polymorphisms in corticotropin releasing hormone receptor 1 gene (CRHR1) are associated with quantitative traits of event-related potential and alcohol dependence.
Alcoholism: Clinical and Experimental Research 34(6):988-996.
- Derringer, J., Krueger, R.F., Dick, D.M., Saccone, S., Grucza, R.A., Agrawal, A., Lin, P., Almasy, L., Edenberg, H.J., Foroud, T., Nurnberger, J.I., Jr., Hesselbrock, V.M., Kramer, J.R., Kuperman, S., Porjesz, B., Schuckit, M.A., Bierut, L.J.; Gene Environment Association Studies (GENEVA) Consortium (2010).
Predicting sensation seeking from dopamine genes: A candidate-system approach.
Psychological Science 21(9):1282-1290.
- Dick, D.M., Aliev, F., Krueger, R.F., Edwards, A., Agrawal, A., Lynskey, M., Lin, P., Schuckit, M., Hesselbrock, V., Nurnberger, J., Jr., Almasy, L., Porjesz, B., Edenberg, H.J., Bucholz, K., Kramer, J., Kuperman, S., Bierut, L. (2010).
Genome-wide association study of conduct disorder symptomatology.
Molecular Psychiatry 16(8):800-808. PMID: 20585324, NIHMSID: 264833.
- Dick, D.M., Meyers, J., Aliev, F., Nurnberger, J., Jr., Kramer, J., Kuperman, S., Porjesz, B., Tischfield, J., Edenberg, H.J., Foroud, T., Schuckit, M., Goate, A., Hesselbrock, V., Bierut, L. (2010).
Evidence for genes on chromosome 2 contributing to alcohol dependence with conduct disorder and suicide attempts.
Neuropsychiatric Genetics Part B: American Journal of Medical Genetics 153B:1179-1188.
- Edenberg, H.J., Koller, D.L., Xuei, X., Wetherill, L., McClintick, J.N., Almasy, L., Bierut, L.J., Bucholz, K.K., Goate, A., Aliev, F., Dick, D., Hesselbrock, V., Hinrichs, A., Kramer, J., Kuperman, S., Nurnberger, J.I., Jr., Rice, J.P., Schuckit, M.A., Taylor, R., Todd Webb, B., Tischfield, J.A., Porjesz, B., and Foroud, T. (2010).
Genome-wide association study of alcohol dependence implicates a region on chromosome 11.
Alcoholism: Clinical and Experimental Research 34(5):840-852.
- Kamarajan, C., Rangaswamy, M., Tang, Y., Chorlian, D.B., Pandey, A.K., Roopesh, B.N., Manz, N., Saunders, R., Stimus, A.T., and Porjesz, B. (2010).
Dysfunctional reward processing in male alcoholics: An ERP study during a gambling task.
Journal of Psychiatric Research 44(9):576-590.
- Kramer J.R., Chan, G., Hesselbrock, V.M., Kuperman, S., Bucholz, K.K., Edenberg, H.J., Schuckit, M.A., Nurnberger, J.I., Foroud, T., Dick, D.M., Bierut, L.J., Porjesz, B. (2010).
A principal components analysis of the abbreviated Desires for Alcohol Questionnaire (DAQ).
Journal of Studies on Alcohol and Drugs 71(1):150-155.
- Roopesh, B.N., Rangaswamy, M., Kamarajan, C., Chorlian, D.B., Pandey, A.K. and Porjesz, B. (2010).
Reduced resource optimization in male alcoholics: N400 in a lexical decision paradigm.
Alcoholism Clinical and Experimental Research 34(11):1905-1914.
- Xuei, X., Flury-Wetherill, L., Dick, D., Goate, A., Tischfield, J., Nurnberger, J., Jr., Schuckit, M., Kramer, J., Kuperman, S., Hesselbrock, V., Porjesz, B., Foroud, T., and Edenberg, H.J. (2010).
GABRR1 and GABRR2, encoding the GABA-A receptor subunits p1 and p 2, are associated with alcohol dependence.
American Journal of Medical Genetics B: Neuropsychiatric Genetics 153B:418-427.

Publications in 2011

Derringer, J., Krueger, R.F., Manz, N., Porjesz, B., Almasy, L., Bookman, E., Edenberg, H.J., Kramer, J.R., Tischfield, J.A., GENEVA consortium, and Bierut, L.J. (2011).

Non-replication of an association of *SGIP1* SNPs with alcohol dependence and theta EEG power.

Psychiatric Genetics 21(5): 265-266.

Dick, D.M., Aliev, F., Krueger, R.F., Edwards, A., Agrawal, A., Lynskey, M., Lin, P., Schuckit, M., Hesselbrock, V., Nurnberger, J., Jr., Almasy, L., Porjesz, B., Edenberg, H.J., Bucholz, K., Kramer, J., Kuperman, S., and Bierut, L., as part of the SAGE and GENEVA Consortia (2011).

Genome-wide association study of conduct disorder symptomatology.

Molecular Psychiatry 16(8):800-808. PMID: 20585324, NIHMSID: 264833.

Lin, P., Hartz, S.M., Wang, J.C., Krueger, R.F., Foroud, T.M., Edenberg, H.J., Nurnberger, J.I., Jr., Brooks, A.I., Tischfield, J.A., Almasy, L., Webb, B.T., Hesselbrock, V.M., Porjesz, B., Goate, A.M., Bierut, L.J., Rice, J.P., COGA Collaborators, COGEND Collaborators, and GENEVA (2011).

Copy number variation accuracy in genome-wide association studies.

Human Heredity 71(3):141-147. PMID: 21778733.

Zlojutro, M., Manz, N., Rangaswamy, M., Xuei, X., Flury-Wetherill, L., Koller, D., Bierut, L.J., Goate, A., Hesselbrock, V., Kuperman, S., Nurnberger, J., Jr., Rice, J.P., Schuckit, M.A., Foroud, T., Edenberg, H.J., Porjesz, B., and Almasy, L. (2010).

Genome-wide association study of theta band event-related oscillations identifies serotonin receptor gene *HTR7* influencing risk of alcohol dependence.

American Journal of Medical Genetics Part B: Neuropsychiatric Genetics 156B(1):44-58. PMCID:PMC3139811, PMID: 21184583.

Publications in 2012

Bierut, L.J., Goate, A.M., Breslau, N., Johnson, E.O., Bertelsen, S., Fox, L., Agrawal, A., Bucholz, K.K., Grucza, R., Hesselbrock, V., Kramer, J., Kuperman, S., Nurnberger, J., Porjesz, B., Saccone, N.L., Schuckit, M., Tischfield, J., Wang, J.C., Foroud, T., Rice, J.P., and Edenberg, H.J. (2012).

ADH1B is associated with alcohol dependence and alcohol consumption in populations of European and African ancestry.

Molecular Psychiatry 17(4):445-450. PMCID: PMC3252425.

Edwards, A.C., Aliev, F., Bierut, L.J., Bucholz, K.K., Edenberg, H., Hesselbrock, V., Kramer, J., Kuperman, S., Nurnberger, J.I., Jr., Schuckit, M.A., Porjesz, B., and Dick, D.M. (2012).

Genome-wide association study on comorbid depressive syndrome and alcohol dependence.

Psychiatric Genetics 22(1):31-41. PMCID: PMC3241912.

Kamarajan, C., Rangaswamy, M., Manz, N., Chorlian, D.B., Pandey, A.K., Roopesh, B.N., and Porjesz, B. (2012).

Topography, power and current source density of theta oscillations during reward processing as markers for alcohol dependence.

Human Brain Mapping 33(5):1019-1039. PMID: 21520344.

Kang, S.J., Rangaswamy, M., Manz, N., Wang, J.C., Wetherill, L., Hinrichs, T., Almasy, L., Brooks, A., Chorlian, D.B., Dick, D., Hesselbrock, V., Kramer, J., Kuperman, S., Nurnberger, J., Jr., Rice, J., Schuckit, M., Tischfield, J., Bierut, L.J., Edenberg, H.J., Goate, A., Foroud, T., and Porjesz, B. (2012).

Family-based genome-wide association study of frontal theta oscillations identifies potassium channel gene *KCNJ6*.

Genes, Brain and Behavior 11(6):712-719. PMID: 22554406.

Kapoor, M., Wang, J.C., Bertelsen, S., Bucholz, K., Budde, J.P., Hinrichs, A., Agrawal, A., Brooks, A., Chorlian, D.B., Dick, D., Hesselbrock, V., Foroud, T., Kramer, J., Kuperman, J., Manz, N., Nurnberger Jr, J., Porjesz, B., Rice, J.P., Tischfield, J., Xuei, X., Schuckit, M., Edenberg, H.J., Bierut, L.J., and Goate, A. (2012).

Variants located upstream of *CHRNA4* on chromosome 15q25.1 are associated with age at onset of daily smoking and habitual smoking.

PLoS ONE 7(3):e33513.

Pandey, A.K., Kamarajan, C., Rangaswamy, M., and Porjesz, B. (2012).

Event-related oscillations in alcoholism research: A review.

Journal of Addiction Research & Therapy S7:1-13. PMID: 24273686.

Pandey, A.K., Kamarajan, C., Tang, Y., Chorlian, D.B., Roopesh, B.N., Manz, N., Stimus, A., Rangaswamy, M., and Porjesz, B. (2012).

Neurocognitive deficits in male alcoholics: An ERP/sLORETA analysis of the N2 component in an equal probability Go/NoGo task.

Biological Psychology 89(1):170-182. PMID: 22024409. PMCID: PMC3245806.

Rice, J.P., Hartz, S., Agrawal, A., Almasy, L., Bennett, S., Breslau, N., Bucholz, K.K., Doheny, K.F., Edenberg, H.J., Goate, A.M., Hesselbrock, V., Howells, W.B., Johnson, E.O., Kramer, J., Krueger, R.F., Kuperman, S., Laurie, C., Manolio, T.A., Neuman, R.J., Nurnberger, J.I., Jr, Porjesz, B., Pugh, E., Ramos, E.M., Saccone, N., Saccone, S., Schuckit, M., and Bierut, L.J., as part of the GENEVA Consortium (2012).

CHRNA3 is more strongly associated with FTND-based nicotine dependence than cigarettes per day: phenotype definition changes GWAS results.

Addiction 107(11):2019-2028. PMID: 22524403.

Publications in 2013

Chorlian, D.B., Rangaswamy, M., Manz, N., Wang, J.-C., Dick, D., Almasy, L., Bauer, L., Bucholz, K., Foroud, T., Hesselbrock, V., Kang, S., Kramer, J., Kuperman, S., Nurnberger Jr., J., Rice, J., Schuckit, M., Tischfield, J., Edenberg, H.J., Goate, A., Bierut, L., and Porjesz, B. (2013)

"Genetic and neurophysiological correlates of the age of onset of alcohol use disorders in adolescents and young adults"

Behavior Genetics 43(5):386-401. PMID: 23963516.

Dick, D.M., Aliev, F., Latendresse, S., Porjesz, B., Schuckit, M., Rangaswamy, M., Hesselbrock, V., Edenberg, H., Nurnberger, J., Agrawal, A., Bierut, L., Wang, J., Bucholz, K., Kuperman, S., and Kramer, J. (2013)

How Phenotype and Developmental Stage Affect the Genes We Find: *GABRA2* and Impulsivity.

Twin Research and Human Genetics 16(3):661-669. PMID: 23561058.

Kapoor, M., Wang, J.C., Wetherill, L., Le, N., Bertelsen, S., Hinrichs, A.L., Budde, J., Agrawal, A., Bucholz, K., Dick, D., Harari, O., Hesselbrock, V., Kramer, J., Nurnberger, J.I. Jr, Rice, J., Saccone, N., Schuckit, M., Tischfield, J., Porjesz, B., Edenberg, H.J., Bierut, L., Foroud, T., and Goate, A. (2013)

Meta-analysis of two genome-wide association studies to identify novel loci for maximum number of alcoholic drinks.

Human Genetics 132(10):1141-1151. PMID: 23743675.

Kos, M.Z., Yan, J., Dick, D.M., Agrawal, A., Bucholz, K.K., Rice, J.P., Johnson, E.O., Schuckit, M., Kuperman, S., Kramer, J., Goate, A.M., Tischfield, J.A., Foroud, T., Nurnberger, J.I., Jr, Hesselbrock, V., Porjesz, B., Bierut, L.J., Edenberg, H.J., and Almasy, L. (2013).

Common biological networks underlie genetic risk for alcoholism in African- and European-American populations.

Genes, Brain and Behavior 12(5):532-542. PMID: 23607416.

Kuperman, S., Chan, G., Kramer, J.R., Wetherill, L., Bucholz, K.K., Dick, D., Hesselbrock, V., Porjesz, B., Rangaswamy, M., and Schuckit, M. (2013).

A Model to Determine the Likely Age of an Adolescent's First Drink of Alcohol.

Pediatrics 131(2):242-248. PMID: 23296431

Wang, J.-C., Foroud, T., Hinrichs, A.L., Le, N.X.H., Bertelsen, S., Budde, J. P., Harari, O., Koller, D.L., Wetherill, L., Agrawal, A., Almasy, L., Brooks, A. I., Bucholz, K., Dick, K., Hesselbrock, V., Johnson, E.O., Kang, S., Kapoor, M., Kramer, J., Kuperman, S., Madden, P.A.F., Manz, N., Martin, N.G., McClintick, J.N., Montgomery, G.W., Nurnberger, J.I., Jr., Rangaswamy, M., Rice, J., Schuckit, M., Tischfield, J.A., Whitfield, J.B., Xuei, X., Porjesz, B., Heath, A.C., Edenberg, H.J., Bierut, L.J., and Goate, A.M. (2013).

A genome wide association study of alcohol dependence symptom counts in extended pedigrees identifies *C15orf53*.

Molecular Psychiatry 18(11):1218-1224. PMID: 23089632.

Publications in 2014

Dick, D.M., Cho, S.B., Latendresse, S.J., Aliev, F., Nurnberger, Jr, J.I., Edenberg, H.J., Schuckit, M., Hesselbrock, V.M., Porjesz, B., Bucholz, K., Wang, J.-C., Goate, A., Kramer, J.R., and Kuperman, S. (2014)

Genetic influences on alcohol use across stages of development: *GABRA2* and longitudinal trajectories of drunkenness from adolescence to young adulthood.

Addiction Biology xx(x):xxx-xxx. PMID: 23692184. PMCID: PMC3783626.

Kamarajan, C., Pandey, A.K., Chorlian, D.B., and Porjesz, B.

The use of current source density as electrophysiological correlates in neuropsychiatric disorders: a review of human studies

International Journal of Psychophysiology xx(x):xxx-xxx.

Kapoor, M., Wang, J.-C., Wetherill, L., Le, N., Bertelsen, S., Hinrichs, A.L., Budde, J., Agrawal, A., Almasy, L., Bucholz, K., Dick, D.M., Harari, O., Xiaoling, X., Hesselbrock, V., Kramer, J., Nurnberger Jr, J.I., Rice, J., Schuckit, M., Tischfield, J., Porjesz, B., Edenberg, H.J., Bierut, L., Foroud, T., and Goate, A. (2014).

Genome-wide survival analysis of age at onset of alcohol dependence in extended high-risk COGA families.

Drug and Alcohol Dependence 142:56-62. PMID: 24962325.

Olfson, E., Edenberg, H.J., Nurnberger, J. Jr, Agrawal, A., Bucholz, K.K., Almasy, L.A., Chorlian, D., Dick, D.M., Hesselbrock, V.M., Kramer, J.R., Kuperman, S., Porjesz, B., Schuckit, M.A., Tischfield, J.A., Wang, J.C., Wetherill, L., Foroud, T.M., Rice, J., Goate, A., and Bierut, L.J. (2014)

An *ADH1B* Variant and Peer Drinking in Progression to Adolescent Drinking Milestones: Evidence of a Gene-by-Environment Interaction.

Alcoholism: Clinical and Experimental Research xx(x):xxx-xxx. PMID: 25257461

Wetherill, L., Agrawal, A., Kapoor, M., Bertelsen, S., Bierut, L.J., Brooks, A., Dick, D., Hesselbrock, M., Hesselbrock, V., Koller, D.L., Le, N., Nurnberger, J.I. Jr, Salvatore, J.E., Schuckit, M., Tischfield, J.A., Wang, J.C., Xuei, X., Edenberg, H.J., Porjesz, B., Bucholz, K., Goate, A.M., and Foroud, T. (2014).

Association of substance dependence phenotypes in the COGA sample.

Addiction Biology xx(x):xxx-xxx. PMID: 24832863.

Wetherill, L., Kapoor, M., Agrawal, A., Bucholz, K., Koller, D., Bertelsen, S.E., Nhug Le, N., Wang, J.-C., Almasy, L., Hesselbrock, V., Kramer, J., Nurnberger Jr, J.I., Schuckit, M., Tischfield, J.A., Xuei, X., Porjesz, B., Edenberg, H.J., M. Goate, A.M. and Foroud, T. (2013)

Family-based association analysis of alcohol dependence criteria and severity

Alcoholism: Clinical and Experimental Research 38(2):354-366. PMID: 24015780. PMCID: PMC3946798.

Yan, J., Aliev, F., Webb, B.T., Kendler, K.S., Williamson, V.S., Edenberg, H.J., Agrawal, A., Kos, M.Z., Almasy, L., Nurnberger Jr, J.I., Schuckit, M.A., Kramer, J.R., Rice, J.P., Kuperman, S., Goate, A.M., Tischfield, J.A., Porjesz, B., and Dick, D.M. (2013)

Using genetic information from candidate gene and genome-wide association studies in risk prediction for alcohol dependence

Addiction Biology 19(4):708-721. PMID: 23362995. PMCID: PMC3664249.