



College of Education, Health, & Human Services

www.ehhs.kent.edu

Don Gans

Professor
HS
dgans@kent.edu

Education

Ph.D., Audiology Northwestern University	1974
M.A., Audiology University Colorado	1970
B.S., Biology University Oregon	1968

Publications

Peterson, D.C., Voytenko, S., Gans, D., Galazyuk, A., & Wenstrup, J.J. (2008) Postsynaptic Responses of Combination-Sensitive Neurons in the Inferior Colliculus. <i>Journal of Neurophysiology</i> , 100, 2008, 629-645. Publication: <i>Journal Articles, Refereed</i>	2008
Sanchez, J.T., Gans, D., and Wenstrup, J.J. Glycinergic inhibition mediates selective excitatory responses to combinations of sounds. <i>Journal of Neuroscience</i> , vol. 28, 2008, 80-90. Publication: <i>Journal Articles, Refereed</i>	2008
Sanchez, J.T., Gans, D., and Wenstrup, J.J. Contribution of NMDA receptors to temporal patterning of auditory responses in the inferior colliculus. <i>Journal of Neuroscience</i> , vol. 27, 2007, 1954-1963. Publication: <i>Journal Articles, Refereed</i>	2007
Sanchez, J.T. and Gans, D. The effects of artifact rejection and Bayesian weighting on the auditory brainstem response. <i>Journal of the American Academy of Audiology</i> , 15, 2007, 154-163. Publication: <i>Journal Articles, Refereed</i>	2007
Marsh, R.A., Nataraj, K., Gans, D., Portfors, C.V., and Wenstrup, J. Auditory responses in the cochlear nucleus of awake mustached bats: precursors to spectral integration in the auditory midbrain. <i>Journal of Neurophysiology</i> , vol. 95, 2006, 88-105.	2006

Publication: *Journal Articles, Refereed*

Stein, R., Gill, K., and Gans, D. Adolescents attitudes toward their peers with hearing impairments. *Educational Audiology*, vol. 8, 2002, 1-8. 2002

Publication: *Journal Articles, Refereed*

Doggett, S., Gans, D., and Stein, R.L. Pediatric Audiometry: Relative Success of Video and Toy Reinforcers. *Infant-Toddler Intervention*, vol. 10, 2001, 73-80. (R) 2001

Publication: *Journal Articles, Refereed*

Doggett, S., Stein, R., and Gans, D. The hearing aid effect in older females. *Journal of the American Academy of Audiology*, vol. 9, 2000, 361-366. 2000

Publication: *Journal Articles, Refereed*

Cottrell, G. and Gans, D. Auditory evoked response waveform morphology in normal infants, normal children, and profoundly-involved multihandicapped children. *Audiology*, vol. 34, 1995, 189-206. 1995

Publication: *Journal Articles, Refereed*

Gans, D. Chapter 1: Listening and Hearing, pp. 13-30. In *Learning through Listening*, Kendall-Hunt Publishing, 2nd Ed., 1993. 1993

Publication: *Book Chapters*

Berger, K. and Gans, D. The articulation index - A follow-up report. *Audicibel*, vol. 42, 1993, 26-27. 1993

Publication: *Journal Articles, Refereed*

Gans, D. and Gans, K. Development of a hearing test protocol for profoundly involved multi-handicapped children. *Ear and Hearing*, vol. 14, 1993, 128-139. 1993

Publication: *Journal Articles, Refereed*

Gans, D., Delzotto, D., and Gans, K. Bias in scoring auditory brainstem responses. *British Journal of Audiology*, vol. 26, 1992, 363-368. 1992

Publication: *Journal Articles, Refereed*

Gans, D. Chapter 1: Listening and Hearing, pp. 13-30. In *Learning through Listening*, Kendall-Hunt Publishing, 1st Ed., 1991. 1991

Publication: *Book Chapters*

Burkey, J. and Gans, D. Psychophysical tuning curves in gerbils. *Journal of the Acoustical Society of America*, vol. 89, 1991, 471-472. 1991

Publication: *Journal Articles, Refereed*

Gans, D. An automated approach for conditioning and testing the hearing of gerbils. *Brain Research Bulletin*, vol. 22, 1989, 475-480. 1989

Publication: *Journal Articles, Refereed*

Gans, D.P. Improving behavioral observation audiometry testing and scoring procedures. *Ear and Hearing*, vol. 8, 1987, 92-100. 1987

Publication: *Journal Articles, Refereed*

Flexer, C. and Gans, D.P. Distribution of response behaviors in normal infants and profoundly multihandicapped children. *Journal of Speech and Hearing Research*, vol. 29, 1986, 425-429. 1986

Publication: *Journal Articles, Refereed*

Berger, K.W. and Gans, D.P. Matching electroacoustic response to hearing losses. *Audicibel*, 35, 1986, 16-18. 1986

Publication: *Journal Articles, Refereed*

Boggess, J.G., Gans, D.P., and Berger, K.W. Effects of temporal integration on the perception of the damped wave train. *Journal of Australian Audiology*, 1985. 1985

Publication: *Journal Articles, Refereed*

Flexer, C. and Gans, D.P. Comparative evaluation of the auditory responsiveness of normal infants and profoundly multihandicapped children. *Journal of Speech and Hearing Research*, vol. 28, 1985, 163-168. 1985

Publication: *Journal Articles, Refereed*

Berger, K.W., Gans, D.P., and VerHoef, N. Computerized hearing aid selection: Ear, Nose, and Throat Monthly, vol. 63, 1984, 84-86. 1984

Publication: *Journal Articles, Refereed*

Gans, D.P. Effects of acoustic trauma on the cochlear potentials. *Journal of the Acoustical Society of America*, vol. 74, 1983, 1742-1746. 1983

Publication: *Journal Articles, Refereed*

Gans, D.P. and Flexer, C. Auditory response behavior of severely and profoundly involved multiply handicapped children. *Journal of Auditory Research*, vol. 23, 1983, 137-148. 1983

Publication: *Journal Articles, Refereed*

Flexer, C. and Gans, D.P. Evaluating order of stimulus presentation with severe-profound multiply handicapped children using behavioral observation audiometry. *Ohio Journal of Speech and Hearing*, vol. 16, 1983, 11-15. 1983

Publication: *Journal Articles, Refereed*

Gans, D.P., VerHoef, N., and Berger, K.W. Hearing aid selection by computer. *Hearing Instruments*, vol. 34, 1983, 17-18. 1983

Publication: *Journal Articles, Refereed*

Berger, K.W. and Gans, D.P. *Berger Hearing Aid Prescription*. Monograph, 1983. 1983

Publication: *Monographs*

Flexer, C. and Gans, D.P. Evaluating behavioral observation audiometry with handicapped children. *The Exceptional Child*, vol. 29, 1982, 217-224. 1982

Publication: *Journal Articles, Refereed*

Gans, D.P. and Flexer, C. Observer bias in the hearing testing of profoundly involved multiply handicapped children. *Ear and Hearing*, vol. 3, 1982, 309-313. 1982

Publication: *Journal Articles, Refereed*

Jacobson, G.P. and Gans, D.P. Endogenous event-related potential correlates of phonemic discrimination. *Folia Phoniatica*, vol. 34, 1982, 82-87. 1982

Publication: *Journal Articles, Refereed*

Gans, D.P. Underestimation of auditory fatigue as measured by the compound action potential. *Journal of Auditory Research*, vol. 20, 1981, 297-305. 1981

Publication: *Journal Articles, Refereed*

Hetsko, R.J. and Gans, D.P. Maintaining conditioning in young children with varied schedules of reinforcement. *Journal of Human Communication*, vol. 6, 1981, 35-40. 1981

Publication: *Journal Articles, Refereed*

Jacobson, G.P. and Gans, D.P. An electrophysiological correlate of phonemic discrimination. *International Audiology*, vol. 20, 1981, 480-487. 1981

Publication: *Journal Articles, Refereed*

Jacobson, G.P. and Gans, D.P. The contingent negative variation as an indicator of speech discrimination difficulty. *Journal of Speech and Hearing Research*, vol. 24, 1981, 345-350. 1981

Publication: *Journal Articles, Refereed*

Gans, D.P. Computing auditory fatigue of the whole nerve action potential. *Journal of the Acoustical Society of America*, vol. 70, 1981, 712-714. 1981

Publication: *Journal Articles, Refereed*

Cole, S.S. and Gans, D.P. Comparing TROCA and peep show in testing the hearing of young children. *British Journal of Audiology*, vol. 14, 1980, 11-14. 1980

Publication: *Journal Articles, Refereed*

Gans, D.P. and Hagberg, E.N. Attention and respiration audiometry. *Journal of American Auditory Society*, vol. 4, 1979, 179-183. 1979

Publication: *Journal Articles, Refereed*

Gans, D.P. Normative data on the cochlear microphonic in rat using differential electrodes. *Journal of Auditory Research*, vol. 18, 1979, 169-174. 1979

Publication: *Journal Articles, Refereed*

Berger, K.W. and Gans, D.P. Physical acoustics, psychoacoustics, and anatomy and physiology of the hearing mechanism. *American Hearing Aid Training Manual*, 1978. 1978

Publication: *Monographs*

Gans, D.P. and Lepi, C.H. Comparison of two operant conditioning techniques in the hearing testing of children. *Ohio Speech and Hearing Association Journal*, vol. 12, 1977, 114-120. 1977

Publication: *Journal Articles, Refereed*

Gans, D.P. and Aldrich, K.A. The audiometric Rinne test: An alternative to the tuning fork procedure. *Audiology and Hearing Education*, vol. 3, 1977, 16-21. 1977

Publication: *Journal Articles, Refereed*

Gans, D.P. Effects of crossed olivocochlear bundle stimulation on the cochlear summing potentials. *Journal of the Acoustical Society of America*, vol. 61, 1977, 792-801. 1977

Publication: *Journal Articles, Refereed*

Haroutunian, V., Riccio, D.C., and Gans, D.P. Suppression of drinking following rotational stimulation as an index of motion sickness in the rat. *Physiological Psychology*, vol. 4, 1976, 467-472. 1976

Publication: *Journal Articles, Refereed*

Durrant, J.D. and Gans, D.P. Biasing of the summing potentials. *Acta Otolaryngologica*, vol. 80, 1975, 13-18. 1975

Publication: *Journal Articles, Refereed*

Gans, D.P., Sweetman, R.H., and Carlson, H.C. Use of high-speed photography in analysis of the acoustic reflex. *Journal of the Acoustical Society of America*, vol. 51, 1972, 1826-1827. 1972

Publication: *Journal Articles, Refereed*

Gans, D., Sheykholslami, K., Peterson, D. C. & Wenstrup, J.J. (in preparation) Temporal dependencies of low frequency inputs to combination-sensitive neurons in the mustached bats inferior colliculus.

Publication: *Other*

Peterson, D. C., Gans, D., & Wenstrup, J. J. (In preparation) Amygdalar neurons respond to auditory stimuli.

Publication: *Other*



EXCELLENCE *in Action*