RESEARCH SUPPORT

"Encoding of Loudness in Excitation Patterns" Purdue Research Foundation Summer Faculty XL Grant, 1975.

"Frequency Discrimination and Pitch of Complex Tones" NIH U.S. Public Health Service NS 12235 (1975 - 1982).

"The Acoustics of Hearing Aids" NIH U.S. Public Health Service NS 12526 (1975 - 1978).

"Auditory Spectral Resolution" NIH U.S. Public Health Service Research Career Development Award (1978 - 1982).

"Auditory Frequency Selectivity after Noise Exposure" NIH U.S. Public Health Service ES-NS 02334 (1980 - 1984).

"The Effects of Hearing Aid Amplification on Residual Hearing in Children" Co- Investigator (with C.A. Binnie, A. E. Carney, and W. A. Cooper) NIH Research Contract (1980 - 1983).

"Pitch of Narrow Bandwidth Signals" University of Kansas New Faculty Grant (1982 - 1983).

"Effects of Noise on Forward-Masking Functions" University of Kansas General Research Fund Grant (1983 - 1984).

"Vibrotactile Perception of Speech" University of Kansas General Research Fund Grant (1984 - 1985), and Biomedical Research Support (1983).

"Auditory Temporal Acuity following Noise Exposure" NIH U.S. Public Health Service OH 02141 (1985 - 1987).

"Demodulation Processes in Auditory Perception" Air Force Office of Scientific Research (1986 - 1996).

“Speech Recognition Using Abduction and Multiple Knowledge Types” Co-Investigator with J. Josephson, NSF (1989-1990).

“Speech Recognition and Auditory Processing” Center for Cognitive Science Seed Grant Ohio State University (1990-1991).

“Age Effects on DPOE and Speech Discrimination” Minority Dissertation Grant for Soami Santiago de Snyder from the National Institute on Aging (1992-1993).

“Frequency Modulated Signals as a Measure of Temporal Acuity in Cochlear Implant Patients” Interdisciplinary Seed Grant Vice President for Research OSU (1993-94).

“Interactive Experiences for Acoustics,” Battelle Endowment (BETHA), (1997-98).

“Pre-processing of Speech Signals for Telephone Communication with Aging Clients: A Feasibility Study” Franklin County Office on Aging / Ameritech Foundation (1997-99).

“Speech Processing for Telephone Use by Elderly, Hearing-Impaired Listeners,” Ameritech Faculty Research Grant (2000 – 2001).

“Speech Processing for Improved Intelligibility by Elderly, Hearing-Impaired Users of the Telephone,” Air Force Summer Faculty Fellowship Program, (Summer 2000).

“Bone-conducted Noise Reduction,” Subcontract from Sytronics, Inc. Dayton, Ohio, (Fall 2001 – Spring 2002).

“Auditory Spectral Integration: Complex Sounds and Speech,” NIH – NIDCD US Public Health Service (Sept. 2005 – Aug. 2009).

“Speech Processing for Telephone Use by Elderly, Hearing-Impaired Listeners,” Co- Investigator, S. Davidson, PI, Phase1 SBIR NIH – NIA, subcontract from FutureComm, (Gahanna, OH), (Sept 2005 – March 2006).

“Spectrotemporal Integration and Noise-Induced Hearing Loss: Development of a Rapid Assessment Tool,” Office of Naval Research (June 1, 2009 – Sept 30, 2013).

“Community-based kiosks for hearing screening and education,” sub-contract from the Oregon Health & Sciences University NIH – NIDCD (Dec. 1, 2013 – May 31, 2016).

“The Columbus Sound Track Project: Engaging Citizen-Scientists to Map Noise Levels in Columbus, OH,” BETHA, (July 1, 2015 – June 30, 2017).

“Detection of Aircraft by Human Listeners,” Sub-contract from circular Logic (AFOSR) (August 28, 2015 – May 31, 2016).

“The Institute for the design of environments aligned for patient safety (IDEA4PS),” Co-I Agency for Healthcare Research & Quality, P30HS024379, (Sept. 30, 2015 – Sept 29, 2016)