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JOHNS HOPKINS
UNIVERSITY

PROFESSOR
OTOLARYNGOLOGY
HEAD AND NECK SURGERY

curriculum vitae (abridged)

Fellow Biomedical Engineering
Johns Hopkins University, 1990

PhD Biopsychology
University of Michigan, 1987

AB Zoology
Indiana University, 1976

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STRUCTURE AND FUNCTION OF THE AUDITORY AND VESTIBULAR SYSTEM

biomedical engineering 580.625-6

Tuesdays and Thursdays at 9AM, Ross 529

THE NEUROBIOLOGY OF HEARING

neuroscience 362.31

Summer Study Abroad in Associaton with the
University of Connecticut and the University of Salamanca, Spain

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AUDITORY DEVELOPMENT •
SOUND LOCALIZATION •
SIGNALS IN NOISE •
NEUROBIOLOGY OF HEARING •
SENSORINEURAL HEARING LOSS •
TINNITUS •

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RECENT PUBLICATIONS

May BJ (2012) The Inferior Colliculus and Lateral Lemniscus. In: Tremblay K, Burkhard R (eds) Translational Perspectives on Auditory Neuroscience. San Diego, CA: Plural, pp 185-204.

Reiss LAJ, Ramachandran R, May BJ (2011) Effects of signal level and background noise on spectral representations in the auditory nerve of the domestic cat. JARO 12:71-88.

Lauer AM, May BJ (2011) The medial olivocochlear system attenuates the developmental impact of early noise exposure. JARO 12:329-343.

Lauer AM, Slee SJ, May BJ (2011) Acoustic basis of directional acuity in laboratory mice. JARO 12:633-645.

May BJ, Lauer AM, Roos MJ (2011) Impairments of the medial olivocochlear system increase the risk of noise-induced auditory neuropathy in laboratory mice. Otology-Neurotology 32:1568-1578.

Roos MJ, May BJ (2012) Classification of unit types in the anteroventral cochlear nucleus of laboratory mice. Hear Res 289:13–26.

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RECENT PRESENTATIONS

f e b . 1 7 , 2 0 1 3

Behavioral strategies for assessing tinnitus in animals
Association for Research in Otolaryngology

a u g . 1 4 , 2 0 1 2

New directions in tinnitus research
University at Buffalo

j u l y 9 , 2 0 1 2

Impact of noise on synaptic development in the ventral cochlear nucleus
Gordon Research Conference

j u n e 2 2 , 2 0 1 2

Listening in noise: basic mechanisms and clinical implications
Hearing Loss Association of America

a p r i l 1 2 , 2 0 1 2

Sound and the brain
Northeast Ohio Medical University

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RELATED LINKS

- otolaryngology - head and neck surgery
- school of medicine
- johns hopkins university
- biomedical engineering
- neuroscience
- structure and function
- training opportunities