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DESCRIPTION

The aim of the journal is to provide a forum for papers concerned with basic peripheral and central **auditory mechanisms**. Emphasis is on experimental and clinical studies, but theoretical and methodological papers will also be considered. The journal publishes original research papers, review and mini- review articles, rapid communications, method/protocol and perspective articles.

Papers submitted should deal with **auditory anatomy, physiology, psychophysics, imaging, modeling and behavioural studies** in animals and humans, as well as **hearing aids and cochlear implants**. Papers on **comparative aspects** of hearing and on **effects of drugs and environmental contaminants** on hearing function will also be considered. **Clinical papers** will be accepted when they contribute to the understanding of normal and pathological hearing functions.

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Audiologists, Biologists, Otologists, Physiologists, Neurologists, Neuroscientists, Psychologists.

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INTRODUCTION

The aim of the journal is to provide a forum for papers concerned with basic auditory mechanisms. Emphasis is on experimental studies, but theoretical papers will also be considered. The journal publishes original research papers, review and mini-review articles, rapid communications, method/protocol and perspective articles. Papers submitted should deal with auditory neurophysiology, ultrastructure, psychoacoustics and behavioural studies of hearing in animals, and models of auditory functions. Papers on comparative aspects of hearing in animals and man, and on effects of drugs and environmental contaminants on hearing function will also be considered. Clinical papers will not be accepted unless they contribute to the understanding of normal hearing functions.

Types of papers

Research Papers

These articles should deal with original research not previously published or being considered for publication elsewhere. These papers should provide a survey, evaluation and critical interpretation of recent research results and concepts in the fields covered by the Journal.

Review Articles

These are exhaustive reviews on a specific topic of hearing research. Authors should always endeavor to make their reviews understandable to a broad range of auditory scientists. Review submissions are typically 10,000 words.

Short review

These are shorter reviews intended either to draw attention to developments in a specific or emerging field. Short review submissions are typically 3,000 words.

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The purpose of this new category is to provide an extremely rapid decision (within 7 days) on papers of unusual importance and report definitive observations. Text limit: 2,500 words and a maximum of 4 figures and/or tables. Within seven days of submission, authors will receive a "yes/no" decision. If the editors and reviewers deem a "yes" decision then the revision must consist only of minor edits and the revised manuscript must be returned in five days.

Technical note

These articles will describe techniques or protocols of particularly broad interest or especially timely for the auditory audience. The manuscripts should be written as concisely as possible but should contain all necessary details to allow replication of the results. These manuscripts should be subdivided by short bold headings referring to Introduction, Rationale, Description of the methods, Results and Conclusions.

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This is by invitation and is a composite article intended to give the experts in a given field an opportunity to voice their personal opinion. Each expert has given their own personal view on the topic and at the end of their commentary they have suggested several experiments that would be required for the decisive. These experiments are presently lacking but if successfully performed would have an enormous impact on our understanding of the chosen topic.

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Bibel, M., Hoppe, E., Barde, Y.A., 1999. Biochemical and functional interactions between the neurotrophin receptors trk and p75(NTR). *EMBO Journal* 18, 616-622.

Brors, D., Hansen, S., Mlynski, R., Volkenstein, S., Aletsee, C., Sendtner, M., Ryan, A.F., Dazert, S., 2008. Spiral ganglion outgrowth and hearing development in p75 (NTR)-deficient mice. *Audiology and Neuro-otology* 13, 388-395.

Chu, G.K.T., Yu, W., Fehlings, M.G., 2007. The p75 neurotrophin receptor is essential for neuronal cell survival and improvement of functional recovery after spinal cord injury. *Neuroscience* 148, 668-682.

Davis, R.R., Newlander, J.K., Ling, X.B., Cortopassi, G.A., Krieg, E.F., Erway, L.C., 2001. Genetic basis for susceptibility to noise-induced hearing loss in mice. *Hearing Research* 155, 82-90.

Dechant, G., Barde, Y.A., 2002. The neurotrophin receptor p75(NTR): novel functions and implications for diseases of the nervous system. *Nature Neuroscience* 5, 1131-1136.

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