

Hearing: From Sound to Nerve Response

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Abstract

Hearing is a complex process not fully understood yet, but there is a great amount of information on this subject, so a synthesis of it will be presented in the following paper. It contains the transductions that an audio wave suffers from sound to nerve response, the functionality of the auditory anatomical route, and methods of “replacing” some lost functions of it due to aging or other causes. In the end there will be presented the guidelines for future ideas and studies.