

- 143-150.
- (6) Santos-Sacchi, J., Reversible Inhibition of Voltage-dependent Outer Hair Cell Motility and Capacitance, *J. Neurosci.*, Vol. 11 (1991), pp. 3096-3110.
- (7) Iwasa, K.H., Effect of Stress on the Membrane Capacitance of the Auditory Outer Hair Cell, *Biophys. J.*, Vol. 65 (1993), pp. 492-498.
- (8) Zheng, J., Shen, W., He, D.Z.Z., Long, K.B., Madison, L.D. and Dallos, P., Prestin is the Motor Protein of Cochlear Outer Hair Cells, *Nature*, Vol. 405 (2000), pp. 149-155.
- (9) Liberman, M.C., Gao, J., He, D.Z.Z., Wu, X., Jia, S. and Zuo, J., Prestin is Required for Electromotility of the Outer Hair Cell and for the Cochlear Amplifier, *Nature*, Vol. 419 (2002), pp. 300-304.
- (10) Frolenkoy, G.I., Mammano, F., Belyantseva, I.A., Coling, D. and Kachar, B., Two Distinct Ca^{2+} -Dependent Signaling Pathways Regulate the Motor Output of Cochlear Outer Hair Cells, *J. Neurosci.*, Vol. 20 (2000), pp. 5940-5948.
- (11) Huang, G. and Santos-Sacchi, J., Mapping of the Distribution of the Outer Hair Cell Motility Voltage Sensor by Electrical Amputation, *Biophys. J.*, Vol. 65 (1993), pp. 2228-2236.
- (12) Ludwig, J., Oliver, D., Frank, G., Klöcker, N., Gummer, A.W. and Fakler, B., Reciprocal Electromechanical Properties of Rat Prestin: The Motor Molecule from Rat Outer Hair Cells, *Proc. Natl. Acad. Sci.*, Vol. 98 (2001), pp. 4178-4183.
- (13) Kakehata, S. and Santos-Sacchi, J., Effects of Salicylate and Lanthanides on Outer Hair Cell Motility and Associated Gating Charge, *J. Neurosci.*, Vol. 16 (1996), pp. 4881-4889.
- (14) Dallos, P., Evans, B.N. and Hallworth, R., On the Nature of the Motor Element in Cochlear Outer Hair Cells, *Nature*, Vol. 350 (1991), pp. 155-157.
- (15) Neher, E. and Marty, A., Discrete Changes of Cell Membrane Capacitance Observed under Conditions of Enhanced Secretion in Bovine Adrenal Chromaffin Cells, *Proc. Natl. Acad. Sci.*, Vol. 79 (1982), pp. 6712-6716.
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