ROBERT S. EISENBERG

PUBLICATIONS

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[Laboratory of Robert S. Eisenberg]

Publication List maintained for all these years with loving care by John Tang, with thanks from Bob!

<u>Papers</u>: Electrical properties of tissues, mostly experimental:

- 1. Eisenberg, R.S. and Hamilton, D. Action of γ-aminobutyric acid on *Cancer borealis* muscle. Nature 198: 1002-1003 (1963). PMCID not available [PDF]
- 2. Eisenberg, R.S. Impedance of single crab muscle fibers. Ph.D. Thesis, University of London (1965). PMCID not available [PDF]
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- 8. Eisenberg, B. and Eisenberg, R.S. Selective disruption of the sarcotubular muscle: A quantitative study with exogenous peroxidase as a marker. J. Cell Biol. 39: 451-467 (1968). PMCID: PMC2107525 [PDF]
- 9. Gage, P.W. and Eisenberg, R.S. Capacitance of the surface and transverse tubular membrane of frog sartorius muscle fibers. J. Gen. Physiol. 53: 265-278 (1969). PMCID: PMC2202908 [PDF]
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- 12. Eisenberg, R.S., Howell, J. and Vaughan, P. The maintenance of resting potentials in glycerol treated muscle fibers. J. Physiol. 215: 95-102 (1971). PMCID: PMC1331868 [PDF]
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- 14. Eisenberg, R.S., Vaughan, P. and Howell, J. A theoretical analysis of the capacitance of muscle fibers using a distributed model of the tubular system. J. Gen. Physiol. 59: 360-373 (1972). PMCID: PMC2203177 [PDF]
- 15. Leung, J. and Eisenberg, R.S. The effects of the antibiotics gramicidin-A, amphotericin-B, and nystatin on the electrical properties of frog skeletal muscle. Biochem. Biophys. Acta. Amsterdam 298: 718-723 (1973). PMID: 4541500 [PDF]
- 16. Valdiosera, R., Clausen, C. and Eisenberg, R.S. Measurement of the impedance of frog skeletal muscle fibers. Biophys. J. 14: 295-315 (1974). PMCID: PMC1334509 [PDF]
- 17. Valdiosera, R., Clausen, C. and Eisenberg, R.S. Circuit models of the passive electrical properties of frog skeletal muscle fibers. J. Gen. Physiol. 63: 432-459 (1974). PMCID: PMC2203561 [PDF]
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- 19. Mobley, B.A., Leung, J. and Eisenberg, R.S. Longitudinal impedance of skinned frog muscle fibers. J. Gen. Physiol. 63: 625-637 (1974). PMCID: PMC2203567 [PDF]
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- 21. Eisenberg, R.S. and Rae, J.L. Current-voltage relationships in the crystalline lens. J. Physiol. 262: 285-300 (1976). PMCI307644 [PDF]
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<u>Papers</u>: Theoretical Analysis and Modeling of Spread of Current:

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Papers: Electrical Properties of Ionic Channels:

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