

List of the nominee's publications

Papers in Refereed Journals:

1. Minde, K. and Maler, L. (1968) Psychiatric counseling on a pediatric medical ward: A controlled evaluation. *The Journal of Pediatrics*, 72: 452-560.
2. Maler, L., Karten, H.S. and Bennett, M.V.L. (1973) The central connections of the posterior lateral line nerve of the gnotonemus *petersil*. *J. Comp. Neurol.*, 151: 57-66.
3. Maler, L., Karten, H.S. and Bennett, M.V.L. (1973) The central connections of the anterior lateral line nerve of *gnotonemus petersil*. *J. Comp. Neurol.*, 151: 6784.
4. Maler, L. (1973) The posterior lateral line lobe of the mormyrid fish *Ba* a Golgi study. *J. Comp. Neurol.*, 152: 281-299.
5. Maler, L., Fibiger, H.C. and McGeer P.L. (1973) Demonstration of the nigrostriatal projection by silver staining after nigral injections of 6-hydroxydopamine. *Exp. Neurol.*, 40: 505-515.
6. Hattori, T., Fibiger, H.C. McGeer P.L. and Maler, L. (1973) Analysis of the fine structure of the dopaminergic projection by electron microscopic autoradiography. *Exp. Neurol.*, 41: 599-611.
7. Maler, L., Finger, T. and Karten H.J. (1974) Differential projections of ordinary lateral line and electroreceptors in the gymnotid fish, *Apteronotus (Sternarchus) albifrons*. *J. Comp. Neurol.*, 158: 363-383.
8. McGeer, E.G., Maler, L. and Fitzsimmons, R.C. (1974) Comparative enzymatic development in chick embryonic brain areas. *Developmental Biol.*, 38: 154-174.
9. Maler, L. (1974) The acousticolateral area of teleosts and its cerebellar relations. *Behavior and Evolution*, 10: 130-145.
10. Maler, L. (1977) Two types of laminar neural structures: Examples from weakly electric fish. In: *Afferent and intrinsic organization of laminated structures in the brain* (Ed. O. Creutzfeldt), Springer Verlag, New York.
11. Scheich, H. and Maler, L. (1977) Laminar organization of the torus semicircularis related to the input from two types of electroreceptors. In: *Afferent and Intrinsic Organization of Laminated Structures in the Brain* (Ed. O. Creutzfeldt), Springer Verlag, New York.
12. Maler, L. (1979) The posterior lobe of certain gymnotoid fish *Ba* quantitative light microscopy. *J. Comp. Neurol.*, 183: 323-364.

13. Maler, L., Sas, E. and Rogers, J. (1981) The cytology of the posterior lateral line lobe of high frequency weakly electric fish (gymnotidae): Dendritic differentiation and synaptic specificity in a simple cortex. *J. Comp. Neurol.*, 195: 87-139.
14. Fryer, J.N. and Maler, L. (1981) Hypophysiotrophic neurons in the goldfish hypothalamus demonstrated by retrograde transport of horseradish peroxidase. *Cell Tiss. Res.*, 218: 93-102.
15. Carr, C., L. Maler, L., W. Heiligenberg, W. and Sas, E. (1981) Laminar organization of the afferent and efferent systems of the torus semicircularis of gymnotiform fish: Morphological substrates of parallel processing in the electrosensory system. *J. Comp. Neurol.*, 203: 649-672.
16. Maler, L., Collins, M. and Mathieson, W.B. (1981) The distribution of acetylcholinesterase and choline acetyl transferase in the cerebellum and posterior lateral line lobe of weakly electric fish (gymnotidae). *Br. Res.*, 226: 320-329.
17. Fryer, J.N. and Maler, L. (1982) Identification of CRF neurons in the goldfish hypothalamus. *Brain Res.*, 242: 179-183.
18. Jande, S.S., Maler, L. and Lawson, E. (1981) Identification of vitamin D-dependent calcium-binding protein in the brains of chicken and rat. *Nature*, 294: 765-767.
19. Carr, C., Maler, L. and Sas, E. (1982) Peripheral organization and central projections of the electrosensory nerves in gymnotiform fish. *J. of Comp. Neur.*, 211: 139-153.
20. Maler, L., Sas, E., Carr, C. and Matsubara, J. (1982) Projections of the posterior lateral line lobe of high frequency gymnotid fish. *J. Comp. Neur.*, 211: 154-164.
21. Phan, M. and L. Maler, L. (1983) Localization of muscarinic binding in the caudal cerebellum and electrosensory lateral line lobe of gymnotid fish. *Neurosci. Letters*, 42: 137-143.
22. Sas, E. and Maler, L. (1983) The nucleus praeeminalis: A Golgi study of a feedback center in the electrosensory system of a gymnotid fish. *J. Comp. Neurol.*, 221: 127-144.
23. Maler, L., Jande, S.S. and Lawson, M. (1984) Localization of vitamin D-dependent calcium-binding protein in the electrosensory system of gymnotid fish. *Brain Res.*, 301: 166-170.

24. Maler, L., Boland, M., Patrick, J. and Ellis, W. (1984) Localization of zinc in the pacemaker nucleus of high frequency gymnotid fish. *Neurobiology of Zinc*: 199-212, Alan Liss.
25. Carr, C. and Maler, L. (1985) A Golgi study of the cell types of the dorsal torus semicircularis of the electric fish *Eigenmannia*: Functional and morphological diversity in the midbrain. *J. Comp. Neurol.*, 235: 207-240.
26. Sas, E. and Maler, L. (1986) Retinofugal projections in a weakly electric gymnotid fish (*Apteronotus leptorhynchus*). *Neurosci.*, 18: 247-259.
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32. Mathieson, B., Heiligenberg, W. and Maler, L. (1987) Ultrastructural studies of physiologically identified electrosensory afferents in the gymnotid fish, *Eigenmannia*. *J. Comp. Neurol.*, 255: 526-537.
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34. Maler, L. and Ellis, W.G. (1987) Intermale aggressive signals are modulated by monoamines. *Behav. Brain Res.*, 25: 75-81.
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