

## CURRICULUM VITAE

**NAME:** Charles B. Kimmel  
**POSITION:** Professor Emeritus of Biology, (Active)  
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### EDUCATION:

Swarthmore College	B.A.	1962	Biology
Johns Hopkins University	Ph.D.	1966	Biology
Salk Institute for Biological Studies	Postdoc	1966-68	Immunology

### RESEARCH AND PROFESSIONAL EXPERIENCE:

1959-1961 Research Asst., Chicago Medical School, Dept. of Anatomy  
1962 Research Asst., Carnegie Institution of Washington, Baltimore, MD  
1964-1965 Teaching Asst., Marine Biological Lab, Woods Hole, MA; James D. Ebert, advisor  
1966-1968 Postdoctoral Research Associate, Department of Immunology, Salk Institute for Biological Studies, La Jolla, CA; Melvin Cohn, advisor  
1969-1975 Asst. Professor of Biology, University of Oregon  
1975-1983 Assoc. Professor of Biology, University of Oregon  
1981-present Member, Institute of Neuroscience, University of Oregon  
1983-2003 Professor of Biology, University of Oregon  
1988-1992 Regular Member, NIH NeuroB2 Study Section  
1993-1994 President, Society for Developmental Biology  
2003-present Professor Emeritus of Biology (Active), University of Oregon

### AWARDS AND HONORS:

1962 B.A. with Distinction  
1966-1969 National Institutes of Health Postdoctoral Fellow  
1991 Fogarty Senior International Fellow  
1991-1997 Javits Investigator Award, NINDS/NIH  
1992 Fellow, American Association for the Advancement of Science  
1995 Honorary Member, Japanese Biochemical Society  
1995 Fellow, American Academy of Arts & Sciences  
1997-1998 John Simon Guggenheim Memorial Fellow  
1997-1998 Fogarty Senior International Fellow  
1997-1998 Visiting Fellow of the Anatomical Society of Great Britain and Ireland  
1997-1998 Fellow Commoner, Trinity College, Cambridge, England  
1998 Discovery Award, Oregon Health Sciences University Research Foundation  
2000 E.G. Conklin Award, Society for Developmental Biology  
2002 College of Arts & Sciences Distinguished Professorship, University of Oregon  
2013 Fellow Commoner, Trinity College, Cambridge, England

### PUBLICATIONS: 159 total in chronological order

1. Kimmel, C.B. (1964). The graft-versus-host reaction. Regulation of granulopoiesis. *Carnegie Institution Yearbook* **63**:541-547.
2. Kimmel, C.B. (1965). The graft-versus-host reaction. *Carnegie Institution Yearbook* **64**: 486-495.

3. Kimmel, C.B. (1966). The graft-versus-host reaction. Histochemical study of acid phosphatase in the chick embryo spleen. *Carnegie Institution Yearbook* **65**: 522-524.
4. Kimmel, C.B. (1967). Lysosomes in the spleen of the chick embryo. I. Description in the normal spleen. *J. Exp. Zool.* **166**: 433-446.
5. Kimmel, C.B. (1967). Lysosomes in the spleen of the chick embryo. II. Changes during the graft-versus-host reaction. *J. Exp. Zool.* **166**: 447-458.
6. Kimmel, C.B. (1967). The response of lysosomes in the chick embryo spleen in the graft-versus-host reaction. In *Ontogeny of Immunity*, R.T. Smith, R.A. Good, and P.A. Miescher, eds., University of Florida Press, Gainesville, Fla., pp. 103-111.
7. Kimmel, C.B. (1969). RNA in cultured myeloma cells producing immunoglobulin. *Biochem. Biophys. Acta* **182**: 361-374.
8. Kimmel, C.B. (1971). Immunoglobulin, protein and nucleic acid synthesis in cultured myeloma cells. *Exp. Cell Res.* **65**: 202-208.
9. Kimmel, C.B. (1972). Mauthner axons in living fish larvae. *Dev. Biol.* **27**: 272-275.
10. Kimmel, C.B. and C.Z. L. Wang. (1972). Cytoplasmic RNA in immunoglobulin-secreting myeloma tumor cells. I. Identification and characteristics of a class of heterogeneous RNA. *Biochem. Biophys. Acta* **269**: 397-412.
11. Kimmel, C.B. and K.L. Larrabee. (1974). Cytoplasmic RNA in immunoglobulin-secreting myeloma tumor cells. II. Heterogeneous RNA associated with polyribosomes following fractionation by sucrose gradient centrifugation. *Biochem. Biophys. Acta* **335**: 374-385.
12. Kimmel, C.B. J. Patterson and R.O. Kimmel. (1974). Development and behavioral characteristics of the startle response in the zebra fish. *Devel. Psychobiol.* **7**: 47-60.
13. Kimmel, C.B. and E. Schabtach. (1974). Patterning in synaptic knobs which connect with Mauthner's cell (*Ambystoma mexicanum*). *J. Comp. Neurol.* **156**: 49-79.
14. McGhee, J.D. and C.B. Kimmel. (1975). Evidence for a subunit structure of chromatin in mouse myeloma cells. *Chromosoma* **52**: 189-205.
15. Kimmel, C.B., S.K. Sessions and M.C. MacLeod. (1976). Evidence for an association of most nuclear RNA with chromatin. *J. Molec. Biol.* **102**: 177-191.
16. Kimmel, C. B. and R.C. Eaton. (1976). Development of the Mauthner cell. In *Simpler Networks and Behaviour*. J.C. Fentress, ed., Sunderland, Massachusetts: Sinauer Associates Inc. pp. 186-202.
17. Eaton, R.C., R.D. Farley, C.B. Kimmel and E. Schabtach. (1977). Functional development in the Mauthner cell system of embryos and larvae of the zebrafish. *J. Neurobiol.* **8**:161-172.
18. Kimmel, C.B., E. Schabtach and R.J. Kimmel. (1977). Developmental interactions in the growth and branching of the lateral dendrite of Mauthner's cell (*Ambystoma mexicanum*) *Dev. Biol.* **55**: 244-259.
19. Ide, C.F., N. Miskowski, C.B. Kimmel, E. Schabtach, R. Tompkins, O. Elbert and M. Duda. (1977). Analysis of *spastic*: A neurological mutant of the Mexican axolotl. In *Cellular Neurobiology*, A.R. Liss, Inc., N.Y., pp. 267-289.
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21. Kimmel, C.B. and P. Model. (1978). Developmental studies of the Mauthner cell. In: *Neurobiology of the Mauthner Cell*. D.S. Faber and H. Korn, eds., New York: Raven Press, pp 183-220.
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23. Eaton, R.C. and C.B. Kimmel. (1980). Directional sensitivity of the Mauthner cell system to vibrational stimulation in zebrafish larvae. *J. Comp. Physiol.* **140**: 337-342.
24. Kimmel, C.B., R.C. Eaton and S.L. Powell. (1980). Decreased fast start performance of zebrafish larvae lacking Mauthner neurons. *J. Comp. Physiol.* **140**: 343-350.
25. Kimmel, C.B., S.K. Sessions and R.J. Kimmel. (1981). Morphogenesis and synaptogenesis of the zebrafish Mauthner neuron. *J. Comp. Neurol.* **198**: 101-120.
26. Jacoby, J. and C.B. Kimmel. (1982). Synaptogenesis and its relation to growth of the postsynaptic cell: A quantitative study of the developing Mauthner neuron of the axolotl. *J. Comp. Neurol.* **204**: 364-376.

27. Kimmel, C.B. (1982). Development of synapses on the Mauthner neuron. *Trends Neurosci.* **5**, 47-50.
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31. Prugh, J.I.P., C.B. Kimmel and W.K. Metcalfe. (1982). Noninvasive recording of the Mauthner neuron action potential in larval zebrafish. *J. Exp. Biol.* **101**: 83-92.
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52. Warga, R.M. and C.B. Kimmel. (1990). Cell movements during epiboly and gastrulation in zebrafish. *Development* **108**: 569-580.
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93. Amacher, S.L. and C.B. Kimmel (1998) Promoting notochord fate and repressing muscle development in zebrafish axial mesoderm. *Development* **125**: 1397-1406.
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