

## WILLIAM BARRY WOOD

### Distinguished Professor of MCD Biology, Emeritus

#### Curriculum Vitae

##### Personal Information:

Date of Birth: February 19, 1938  
Birthplace: Baltimore, MD, USA  
Marital Status: Married, 1961; two children; widowed, 2007

##### Education:

A.B., Chemistry, Harvard College, (Cambridge, MA), 1959  
Ph.D., Biochemistry, Stanford University, (Palo Alto, CA), 1963

##### Professional Experience:

Dept. of Biochemistry, Stanford University. USPH Predoctoral Trainee, 1959-1963 (with P. Berg).  
Dept. of Biophysics, University of Geneva, Switz., NAS-NRC Postdoc. Fellow, 1963-1964 (with W. Arber).  
Dept. of Biology, California Institute of Technology. Assistant Professor, 1965-1968. Associate Professor, 1968-1969. Professor, 1970-1977.  
Dept. of Molecular, Cellular and Developmental Biology, University of Colorado, Boulder. Visiting Professor, 1975-1976. Professor, 1977-2002. Distinguished Professor, 2002-2008. Dept. Chair, 1978-1983. Associate Chair, 1988-1990; 1991-1996; 1998-2000, 2005-2007. Emeritus, 2008.  
Medical Research Council Laboratory of Molecular Biology, Cambridge, U.K. Visiting Scholar, 1989-1990.  
University of Colorado Cancer Center, University of Colorado Health Sciences Center, Member, 1995-  
Max-Planck Institute for Cell Biology and Molecular Genetics, Dresden, Germany, Visiting Scientist (intermittent, 2003-2005, 2007).

##### Research Interests:

Science education.  
Genetic control and molecular biology of embryonic axis formation and pattern formation in development of the nematode *Caenorhabditis elegans*.

##### Honors:

National Academy of Sciences, U.S. Steel Award in Molecular Biology, 1969.  
National Academy of Sciences, election to membership, 1972.  
Guggenheim Fellowship, 1975-1976.  
American Academy of Arts and Sciences, election to membership, 1976.  
Harvey Society Lectureship, 1978.  
National Institutes of Health, MERIT Award (NICHD) 1986-1995.  
American Association for the Advancement of Science, elected Fellow, 1989.  
American Academy of Microbiology, elected Fellow, 1992.  
University of Colorado, Distinguished Research Lectureship, 2001  
University of Colorado, Appointment to Distinguished Professorship, 2002  
Alexander von Humboldt Senior Research Award (Forschungspreis), 2004  
American Society for Cell Biology, Bruce Alberts Award for Distinguished Contributions to Science Education, 2004  
National Academies, designated a National Associate, in recognition of extraordinary service to the National Academies and the National Research Council, 2004  
Society for Developmental Biology, Viktor Hamburger Outstanding Educator Award, 2013.  
Arthur Kornberg and Paul Berg Lifetime Achievement Award, Stanford University Medical School, 2014

**Appointments:**

National Science Foundation, Panel for Developmental Biology, 1970-1972.  
 National Institutes of Health, Physiological Chemistry Study Section, 1974-1978  
 American Society Biological Chemists, Educational Affairs Committee, 1975-1978.  
 National Academy of Sciences Committee on Science and Public Policy, 1978-1979.  
 National Institutes of Health, Genetics Special Study Section, 1980.  
 Developmental Biology Gordon Conference, co-organizer, 1983.  
 Harvard University, Overseer's Committee to Visit the Division of Medical Sciences, 1984-1988.  
 National Institutes of Health, Cellular & Molecular Basis of Disease Review Committee, 1984-1988.  
*Cell*, Associate Editor, 1984-1986.  
*Science*, Board of Reviewing Editors, 1985-1992.  
 California Institute of Technology, Visiting Committee to the Division of Biology, 1986-1996.  
 Carnegie Institution of Washington, Visiting Committee to the Department of Embryology, 1986-1996.  
 American Society for Cell Biology, Program Co-Chair, Annual Meeting, San Francisco, 1994.  
*Developmental Biology*, Editorial Board, 1995-1999.  
 National Research Council, Committee on Developmental Toxicology, 1997-1999.  
 National Research Council, Committee on Programs for Advanced Study of Mathematics and Science in American High Schools, 1999-2001. Chair of Biology Panel and editor of Biology Panel Report.  
*CBE-Life Sciences Education*, Editorial Board, 2001–; Editor in Chief, 2005–2010; Senior Editor, 2010–.  
 National Research Council, Committee on the Summer Institute on Undergraduate Education in Biology, Co-Chair, 2002–2008.  
 National Academies Summer Institute on Undergraduate Education in Biology, Madison, WI, Co-Director, 2003–2013.  
 The Reinvention Center, State University of New York, Stony Brook, Member, Advisory Board, 2003–2008.  
 Center for the Integration of Research, Teaching, and Learning (CIRTL), University of Wisconsin, Madison, Member, National Advisory Board, 2003–.  
 The College Board, Committee to Review the AP Biology Curriculum, Member Advisory Board, 2003–2006.  
 Society for Developmental Biology, Chair, Professional Development and Education Committee, 2003– 2009.  
 National Research Council, Board on Science Education, Member, 2005–2011.  
 National Research Council, Committee on the Status, Contributions, and Future Directions of Discipline-based Education Research, 2009-2012.  
 Howard Hughes Medical Institute, Review Committee for Undergraduate Programs, Member 2005–2006.  
 Science Education Initiative, Univ. of Colorado, Boulder. Steering Committee member, Faculty Director in MCDB, 2006–2014.  
 Howard Hughes Medical Institute, Science Education Advisory Board, Member, 2010–.  
 The College Board, AP Biology Development Committee, Member, 2012–2013.

**Membership in Professional Societies:**

American Association for the Advancement of Science  
 American Society for Cell Biology  
 Genetics Society of America  
 Society for the Advancement of Biology Education Research (Founding Member)  
 Society for Developmental Biology

**Scientific Research Publications:**

1. Wood, W. B., and Berg, P. (1962) The effect of enzymatically synthesized ribonucleic acid on amino acid incorporation by a soluble protein-ribosome system from *Escherichia coli*. *Proc. Natl. Acad. Sci. USA* 48: 94-104.
2. Wood, W. B., and Berg, P. (1963) Studies on the "messenger" activity of RNA synthesized with RNA polymerase. *Cold Spring Harbor Symp. Quant. Biol.* 23: 237-246.
3. Wood, W. B., and Berg, P. (1964) Influence of DNA secondary structure on DNA-dependent polypeptide synthesis. *J. Mol. Biol.* 9: 452-471.

4. Wood, W. B. (1965) Mutations in *E. coli* affecting the host-controlled modification of bacteriophage lambda *Path. Microbiol.* 28: 73-76.
5. Wood, W. B. (1966) Host specificity of DNA produced by *Escherichia coli*: bacterial mutations affecting the restriction and modification of DNA. *J. Mol. Biol.* 16: 118-133.
6. Edgar, R. S., and Wood, W. B. (1966) Morphogenesis of bacteriophage T4 in extracts of mutant-infected cells. *Proc. Natl. Acad. Sci. USA* 55: 495-505.
7. Wood, W. B., and Edgar, R. S. (1967) Building a bacterial virus. *Scientific American* 217: 60-74.
8. Wood, W. B., Edgar, R. S., King, J., Lielausis, I., and Henninger, M. (1968) Bacteriophage assembly. *Fed. Proc.* 27: 1160-1166.
9. Wood, W. B. (1969) Gene action in the control of bacteriophage T4 morphogenesis. In: *Genetics and Developmental Biology*, (H. Teas, ed.). University of Kentucky Press. Lexington, pp. 83-99.
10. King, J., and Wood, W. B. (1969) Assembly of bacteriophage T4 tail fibers: the sequence of gene product interaction. *J. Mol. Biol.* 39: 583-601.
11. Wood, W. B., and Henninger, M. (1969) Attachment of tail fibers in bacteriophage T4 assembly: some properties of the reaction in vitro and its genetic control. *J. Mol. Biol.* 3: 603-618.
12. Wilson, J. H., Luftig, R. B., and Wood, W. B. (1970) Interaction of bacteriophage T4 tail fiber components with a lipopolysaccharide fraction from *Escherichia coli*. *J. Mol. Biol.* 51: 423-434.
13. Ward, S., Luftig, R. B., Wilson, J. H., Eddleman, H., Lyle, H., and Wood, W. B. (1970) Assembly of bacteriophage T4 tail fibers: isolation and characterization of tail fiber precursors. *J. Mol. Biol.* 54: 15-31.
14. Luftig, R. B., Wood, W. B., and Okinaka, R. (1971) Bacteriophage T4 head morphogenesis: on the nature of gene 49-defective heads and their role as intermediates. *J. Mol. Biol.* 57: 555-573.
15. Meezan, E., and Wood, W. B. (1971) The sequence of gene product interaction in T4 tail core assembly. *J. Mol. Biol.* 58: 685-692.
16. Georgopoulos, C. P., Hendrix, R. W., Kaiser, A. D., and Wood, W. B. (1972) Role of the host cell in bacteriophage morphogenesis: effects of a bacterial mutation on T4 head assembly. *Nature New Biol.* 239: 38-41.
17. Wood, W. B. (1973) Genetic control of bacteriophage T4 morphogenesis. In: *Genetic Mechanisms of Development*, (F. Ruddle, ed.) Proc. 31st Symp. Soc. Devel. Biol. Academic Press, NY pp.29-46.
18. Wood, W. B., Dickson, R. C., Bishop, R. J., and Revel, H. R. (1973) Self-assembly and non-self-assembly in bacteriophage T4 morphogenesis. In: *The Generation of Sub-Cellular Structures*, (R. Markham et al., eds.) Proc. 1st John Innes Symp. North Holland, Amsterdam. pp. 25-57.
19. Wood, W. B., and Bishop, R. J. (1973) Bacteriophage T4 tail fibers: Structure and function of a viral organelle. In: *Virus Research*. (C. F. Fox and W. S. Robinson, eds.) Proc. 2nd ICN-UCLA Symp. on Mol. Biol. Academic Press, NY, pp. 303-326.
20. Wood, W. B. (1974) Bacteriophage T4. In: *Handbook of Genetics*, Vol. I. Bacteria, Bacteriophage and Fungi. (R. C. King, ed.) Plenum Press, NY, pp. 327-331.
21. Bishop, R. J., Conley, M. P., and Wood, W. B. (1974) Assembly and attachment of bacteriophage T4 tail fibers. *J. Supramolec. Struc.* 2: 196-201.
22. Wood, W. B. (1974) Undelivered summary remarks for the 1974 Squaw Valley Meeting on Assembly Mechanisms. *J. Supramolec. Struc.* 2: 512-514.
23. Conley, M. P., and Wood, W. B. (1975) Bacteriophage T4 whiskers: a rudimentary environment-sensing device. *Proc. Natl. Acad. Sci. USA* 72: 3701-3705.
24. Bishop, R. J., and Wood, W. B. (1976) Genetic analysis of bacteriophage T4 tail fiber assembly: I. A gene 37 mutation that bypasses the requirement for gene 38 function. *Virology* 72: 244-254.
25. Wood, W. B., and Revel, H. R. (1976) The genome of bacteriophage T4. *Bacteriol. Revs.* 40: 847-868.
26. Snopek, T. J., Wood, W. B., Conley, M. P., Chen, P., and Cozzarelli, N. R. (1977) T4 RNA ligase is gene 63 product, the protein that promotes tail fiber attachment to the baseplate. *Proc. Natl. Acad. Sci. USA* 74: 3355-3359.
27. Edgar, R. S., and Wood, W. B. (1977) The nematode *Caenorhabditis elegans*: a new organism for intensive biological study. *Science* 198: 1285-1286.
28. Hirsh, D., Wood, W. B., Hecht, R., Carr, S., and Vanderslice, R. (1977) Expression of genes essential for early development in the nematode, *C. elegans* In: *Eucaryotic Genetic Systems*, ICN-UCLA Symposia on

- Molecular and Cellular Biology, Vol. VIII, (J. N. Abelson and G Wilcox, eds.), Academic Press, NY, pp. 347-356.
29. Wood, W. B., Conley, M. P., Lyle, H., and Dickson, R. C. (1977) Attachment of tail fibers in bacteriophage T4 assembly: purification, properties, and site of action of the accessory protein coded by gene 63. *J. Biol. Chem.* 253: 2437-2445.
  30. Wood, W. B., and Conley, M. P. (1979) Attachment of tail fibers in bacteriophage T4 assembly: Role of the phage whiskers. *J. Mol. Biol.* 127: 15-29.
  31. Wood, W. B., and King, J. (1979) Genetic control of complex bacteriophage assembly. In: *Comprehensive Virology*, Vol. 13, (H. Fraenkel-Conrat and R.R. Wagner, eds.) Plenum Press, NY, pp. 581-633.
  32. Wood, W. B. (1979) Bacteriophage T4 assembly and the morphogenesis of subcellular structure, Harvey Lectures, Series 73, Academic Press, NY, pp. 203-233.
  33. Revel, H. R., Stitt, B. L., Lielausis, I., and Wood, W. B. (1980) The role of the host cell in bacteriophage T4 development: I. Isolation and classification of host-defective bacterial mutants; characterization of mutants that block T4 head assembly. *J. Virol.* 33: 366-376.
  34. Stitt, B. L., Revel, H. R., Lielausis, I., and Wood, W. B. (1980) The role of the host cell in bacteriophage T4 development: II. Characterization of host-defective mutants that have a pleiotropic effect on T4 development. *J. Virol.* 35: 775-789.
  35. Wood, W. B., Hecht, R., Carr, S., Vanderslice, R., Wolf, N., and Hirsh, D. (1980) Parental effects of genes essential for early development in *C. elegans*. *Dev. Biol.* 74: 446-469.
  36. Laufer, J. S., Bazzicalupo, P., and Wood, W. B. (1980) Segregation of developmental potential in early embryos of *C. elegans*. *Cell* 19: 569-577.
  37. Wood, W. B. (1980) The rise and decline of T4 phage biology at Caltech: a latter-day view. In: *Genes, Cells and Behavior*, (N. H. Horowitz and E. Hutchings, Jr., eds.) W. H. Freeman and Co., San Francisco. pp.61-71.
  38. Wood, W. B. (1980) Bacteriophage T4 morphogenesis as a model for assembly of subcellular structure. *Quart. Rev. Biol.* 55: 353-367.
  39. Hermann, R., and Wood, W. B. (1981) Assembly of bacteriophage T4 tail fibers: identification and characterization of the nonstructural protein gp57. *Mol. Gen. Genet.* 184: 125-132.
  40. Wood, W. B., Laufer, J., and Strome, S. (1982) Developmental determinants in embryos of *Caenorhabditis elegans*. *J. Nematol.* 14: 267-273.
  41. Strome, S., and Wood, W. B. (1982) Immunofluorescence visualization of germ-line-specific cytoplasmic granules in embryos, larvae, and adults of *Caenorhabditis elegans*. *Proc. Natl. Acad. Sci. USA* 79: 1558-1562.
  42. Johnson, T. E., and Wood, W. B. (1982) Genetic analysis of lifespan in *Caenorhabditis elegans*. *Proc. Natl. Acad. Sci. USA* 79: 6603-6607.
  43. Wood, W. B., Strome, S., and Laufer, J. S. (1983) Localization and determination in embryos of *Caenorhabditis elegans*. In: *Time, Space, and Pattern in Embryonic Development*. (W. R. Jeffery and R. A. Raff, eds.), Alan R. Liss, NY, pp. 221-239.
  44. Edwards, M. K., and Wood, W. B. (1983) Location of specific messenger RNAs in *Caenorhabditis elegans* by cytological hybridization. *Dev. Biol.* 97: 375-390.
  45. Wood, W. B., and Crowther, A. (1983) The long tail fibers: genes, proteins, assembly, and structure. In: *The Bacteriophage T4*, (C. Mathews et al, eds.) American Society for Microbiology Press, Washington, pp. 259-269.
  46. Urig, M. A., Brown, S. M., Tedesco, P., and Wood, W. B. (1983) Attachment of tail fibers in bacteriophage T4 assembly, Identification of the Baseplate Protein to which Tail Fibers Attach. *J. Mol. Biol.* 169: 427-437.
  47. Strome, S., and Wood, W. B. (1983) Generation of asymmetry and segregation of germ-line granules in early *C. elegans* embryos. *Cell* 35: 15-25.
  48. Strome, S., and Wood, W. B. (1984) Segregation of germ-line specific antigens during embryogenesis in *Caenorhabditis elegans*. In: *Molecular Aspects of Early Development*. (G. M. Malacinski and W. H. Klein, eds.) Plenum Press, NY, pp. 141-165.
  49. Meneely, P. M., and Wood, W. B. (1984) An autosomal gene that affects X chromosome expression and sex determination in *Caenorhabditis elegans*. *Genetics* 106: 29-44.

50. Wood, W. B., Schierenberg, E., and Strome, S. (1984) Localization and determination in early embryos of *Caenorhabditis elegans*. In: *Molecular Biology of Development*, (E. H. Davidson and R. Firtel, eds.) Alan R. Liss, N.Y. pp. 37-49.
51. Schierenberg, E., and Wood, W. B. (1985) Control of cell-cycle timing in early embryos of *Caenorhabditis elegans*. *Dev. Biol.* 107: 337-354.
52. Wood, W. B., Meneely, P., Schedin, P., and Donahue, L. (1985) Aspects of dosage compensation and sex determination in *Caenorhabditis elegans*. Cold Spring Harbor Symposia on Quantitative Biology 50: 575-583. Cold Spring Harbor Press, Cold Spring Harbor, NY.
53. Kempfues, K., Wolf, N., Wood, W. B., and Hirsh, D. (1986) Two loci required for cytoplasmic organization in early embryos of *C. elegans*. *Dev. Biol.* 113: 449-460.
54. Wood, W. B., Trent, C., Meneely, P., Manser, J. and Burgess, S. (1987) Control of X-chromosome expression and sex determination in embryos of *Caenorhabditis elegans*. In: *Genetic Regulation of Development*, 45th Symp. Soc. Dev. Biol. (W. Loomis, ed.) Alan R. Liss, Inc., NY, pp. 191-199.
55. Edgar, R. S., Horvitz, H. R. and Wood, W. B. (1987) The nematode *Caenorhabditis elegans*: Toward the complete understanding of an animal. *Chinese J. of Cell Biol.* 2, Supplement, 1-17.
56. Meneely, P. and Wood, W. B. (1987) Genetic analysis of X-chromosome dosage compensation in *Caenorhabditis elegans*. *Genetics* 117: 25-41.
57. Link, C., Graf-Witsel, J. and Wood W. B. (1987) Isolation and characterization of a transposable element from the nematode *P. redivivus*. *Proc. Natl. Acad. Sci. USA.* 84: 5325-5329.
58. Donahue, L. M., Quarantillo, B. A. and Wood, W. B. (1987) Molecular analysis of X-chromosome dosage compensation in *Caenorhabditis elegans*. *Proc. Natl. Acad. Sci. USA* 84: 7600-7604.
59. Wood, W. B. (1987) Virus assembly and its genetic control. In: *Self Organizing Systems, The Emergence of Order* (F.E. Yates, ed.), Plenum Press, NY, pp. 133-151.
60. Wood, W. B. (1988) Determination of pattern and fate in early embryos of *Caenorhabditis elegans*. In: *Developmental Biology: A Comprehensive Synthesis*, Volume V. (L. W. Browder, ed.) Plenum Press, NY, pp. 57-78.
61. Link, C., Ehrenfels, C. and Wood, W. B. (1988) Mutant expression of male copulatory bursa surface markers in *Caenorhabditis elegans*. *Development* 103: 485-495.
62. Wood, W. B. (1988) Introduction to *C. elegans* Biology. In: *The Nematode Caenorhabditis elegans*. (W. B. Wood, ed.) Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, pp. 1-16.
63. Wood, W. B. (1988) Embryology. In: *The Nematode Caenorhabditis elegans*, (W. B. Wood, ed.) Cold Spring Harbor, NY, pp. 215-242.
64. Trent, C., Wood, W. B. and Horvitz, H. R. (1988) A novel dominant transformer allele of the sex-determining gene *her-1* of *Caenorhabditis elegans*. *Genetics* 120: 145-157.
65. Snyder, M. and Wood, W. B. (1989) Genetic definition of two functional elements in a bacteriophage T4 host-range "cassette". *Genetics* 122: 471-479.
66. Manser, J., and Wood, W. B. (1990) Mutations affecting embryonic cell migrations in *Caenorhabditis elegans*. *Developmental Genetics* 11: 49-64.
67. Mains, P. E., Sulston, I. A., and Wood, W. B. (1990) Dominant maternal-effect mutations causing embryonic lethality in *Caenorhabditis elegans*. *Genetics* 125: 351-369.
68. Mains, P. E., Kempfues, K. J., Sprunger, S. A., Sulston, I., and Wood, W. B. (1990) Mutations affecting the meiotic and mitotic divisions of the early *C. elegans* embryo. *Genetics* 126: 593-605.
69. Schauer, I., and Wood, W. B. (1990) Early *C. elegans* embryos are transcriptionally active. *Development* 110: 1303-1317.
70. Hunter, C. P., and Wood, W. B. (1990) The *tra-1* gene determines sexual phenotype cell-autonomously in *C. elegans*. *Cell* 63: 1193-1204.
71. Wood, W. B. (1991) Evidence from reversal of handedness in *C. elegans* embryos for early cell interactions determining cell fates. *Nature* 349: 536-538.
72. Trent, C., Purnell, B., Gavinski, S., Hageman, J., and Wood, W. B. (1991) Sex-specific transcriptional regulation of the *C. elegans* sex-determining gene *her-1*. *Mechanisms of Development* 34: 43-56.
73. Wood, W. B., and Kershaw, D. (1991) Handed asymmetry, handedness reversal, and mechanisms of cell fate determination in nematode embryos. In: *Biological Asymmetry and Handedness* (J. Marsh, ed.) Ciba Foundation Symposium 162, London. pp. 143-164.

74. Schedin, P., Hunter, C. P., and Wood, W. B. (1991) Autonomy and nonautonomy of sex-determination in triploid intersexes of *C. elegans*. *Development* 112: 863-880.
75. Hunter, C. P., and Wood, W. B. (1992) Evidence from mosaic analysis of the masculinizing gene *her-1* for cell interactions in *C. elegans* sex determination. *Nature* 355: 551-555.
76. Wood, W. B. (1992) Assembly of a complex bacteriophage *in vitro*. *BioEssays* 14: 635-640.
77. Perry, M. D., Li, W., Trent, C. Robertson, B., Fire, A., Hageman, J., and Wood, W. B. (1993) Molecular characterization of the *her-1* gene suggests a direct role in cell signalling during *C. elegans* sex determination. *Genes & Development* 7: 216-228.
78. Edgar, L. G. and Wood, W. B., (1993) Nematode Embryos. In: *Essential Developmental Biology, A Practical Approach* (Stern and Holland, eds.) pp. 11-20.
79. Eisen, J., Warga, R. M., Edgar, L. G. and Wood, W. B. (1993) Laser ablation of cells. In: *Essential Developmental Biology, A Practical Approach* (Stern and Holland, eds.) pp. 135-136.
80. Wood, W. B., Eiserling, F. A., and Crowther, R. A. (1994) Long Tail Fibers: Genes, proteins, structure, and assembly. In: *Molecular Biology of Bacteriophage T4*. (J. D. Karam et al., eds.) American Society for Microbiology, Washington, D.C., p. 282-290.
81. Wood, W. B., and Edgar, L. (1994) Patterning in *C. elegans* embryos. *Trends in Genet.* 10: 49-54.
82. Wood, W. B., and Johnson, T. E. (1994) Stopping the clock. *Curr. Opinion in Biol.* 4: 151-153.
83. Yandell, M. D., Edgar, L. G., and Wood, W. B. (1994) Trimethylpsoralen induces small deletion mutations in *Caenorhabditis elegans*. *Proc. Natl. Acad. Sci. USA* 91: 1381-1385.
84. Edgar, L. G., Wolf, N., and Wood, W. B. (1994) Early transcription in *C. elegans* embryos. *Development* 120: 443-451.
85. Schedin, P., Jonas, P., and Wood, W. B. (1994) Function of the *her-1* gene is required for maintenance of male differentiation in adult tissues of *C. elegans*. *Developmental Genetics* 15: 231-239.
86. Storfer-Glazer, F. A. and Wood, W. B. (1994) Effects of chromosomal deficiencies on early cleavage patterning and terminal phenotype in *C. elegans* embryos. *Genetics* 137: 499-508.
87. Perry, M. D., Trent, C., Robertson, B., Chamblin, C., and Wood, W. B. (1994) Sequenced alleles of the *Caenorhabditis elegans* sex-determining gene *her-1* include a novel class of conditional promoter mutations. *Genetics* 138: 317-327.
88. Seydoux, G., Mello, C., Pettitt, J., Wood, W. B., Priess, J., and Fire, A. (1996). Repression of gene expression in the embryonic germ lineage of *C. elegans*. *Nature* 382: 713-716.
89. Powell-Coffman, J. A., Knight, J., and Wood, W. B. (1996) Onset of *C. elegans* gastrulation is blocked by inhibition of embryonic transcription with an RNA polymerase antisense RNA. *Dev. Biol.* 178: 472-483 (1996).
90. Pettitt, J., Wood, W. B., and Plasterk, R. H. A. (1996) A member of the cadherin superfamily controls epithelial cell morphogenesis in *Caenorhabditis elegans*. *Development* 122: 4149-4147.
91. Wood, W. B., Bergmann, D., and Florance, A. (1996) A maternal effect of low temperature on handedness determination in *C. elegans* embryos. *Devel. Genetics* 19: 222-230.
92. Wood, W. B., Streit, A., and Li, W. (1997) X-repress yourself: Dosage compensation in *C. elegans*. *Current Biology* 7: R227-R230.
93. Wood, W. B. (1997) Left-right asymmetry in animal development. *Ann. Rev. Cell & Devel. Biol.* 13: 53-82.
94. Powell-Coffman, J. A., Bradfield, C. A., and Wood, W. B. (1998) *Caenorhabditis elegans* orthologs of the aryl hydrocarbon receptor and its heterodimerization partner the aryl hydrocarbon receptor nuclear translocator. *Proc. Nat. Acad. Sci. U.S.*, 95: 2844-2849.
95. Wood, W. B. (1998) Handed asymmetry in nematodes. *Seminars in Cell and Developmental Biology*, 9: 53-60.
96. Knight, J. K. and Wood, W. B. (1998) Gastrulation initiation in *C. elegans* requires the function of *gad-1*, which encodes a protein with WD repeats. *Dev. Biol.* 198: 253-265.
97. Bergmann, D. C., Crew, J. R., Kramer, J. M., and Wood, W. B. (1998) Cuticle chirality and body handedness in *Caenorhabditis elegans*. *Devel. Genetics* 23: 164-174.
98. Kawasaki, I., Shim, Y. H., Kirchner, J., Kaminker, J., Wood, W. B., and Strome, S. (1998) PGL-1, a predicted RNA-binding component of germ granules, is essential for fertility in *C. elegans*. *Cell* 94: 635-645.

99. Wood, W. B. (1998) Aging of *C. elegans*: mosaics and mechanisms. *Cell* 95: 147-150.
100. Li, W., Streit, A., Robertson, B., and Wood, W. B. (1999) Evidence for multiple promoter elements orchestrating male-specific regulation of the *her-1* gene in *C. elegans*. *Genetics* 152: 237-248.
101. Fay, D., Stanley, H. M., Han, M. and Wood, W. B. (1999) A *C. elegans* homologue of *hunchback* is required for late stages of development but not early embryonic patterning. *Dev. Biol.* 205: 240-253.
102. Suzuki, Y., Yandell, M. D., Roy, P. J., Krishna, S., Savage-Dunn, C., Ross, R. M., Padgett, R. W., and Wood, W. B. (1999) A BMP homolog acts as a dose-dependent regulator of body size and male tail patterning in *Caenorhabditis elegans*. *Development* 126: 241-250.
103. Wood, W. B. (1999) Cell lineages in *Caenorhabditis elegans* development. In Moody, S. (ed.), *Cell Lineage and Fate Determination*, Academic Press, New York, NY. pp. 77-95.
104. Streit, A., Li, W., Robertson, B., Schein, J., Kamal, I. H., Marra, M., and Wood, W. B. (1999) Homologs of the *Caenorhabditis elegans* masculinizing gene *her-1* in *Caenorhabditis briggsae* and the filarial parasite *Brugia malayi*. *Genetics* 152: 1573-1584.
105. Li, W., Boswell, R., and Wood, W. B. (2000) *mag-1*, a homolog of *Drosophila mago nashi*, regulates germ-line sex determination in *C. elegans*. *Dev. Biol.* 218: 172-182
106. Van Auken, K., Weaver, D. C., Edgar, L. G., and Wood, W. B. (2000) *Caenorhabditis elegans* embryonic axial patterning requires two recently discovered posterior-group Hox genes. *Proc. Nat. Acad. Sci. U. S.* 97: 4499-4503.
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