

JERRY W. SHAY

Education:

University of Texas at Austin	B.A., M.A.	1966, 1969	Genetics
University of Kansas	Ph.D.	1972	Cell Biology

Professional Appointments:

1972-1975	Postdoctoral Fellow (Laboratory of Dr. Keith Porter) University of Colorado, Department of Molecular, Cellular and Developmental Biology
1975-1980	Assistant Professor of Cell Biology, University of Texas Southwestern Medical Center at Dallas
1980-present	Associate Professor of Cell Biology University of Texas Southwestern Medical Center at Dallas

Honors:

NIH Research Career Development Award 1978-1983

Representative early publications (of 87 total):

- Veomett, G., Prescott, D., Shay, J. W., and K. R. Porter 1974 Reconstruction of mammalian cells from nuclear and cytoplasmic components separated by treatment with cytochalasin B. Proc. Natl. Acad. Sci. (U.S.A.) 71:5: 1999-2002.
- Shay, J. W., K. R. Porter, and D. M. Prescott 1974 The surface morphology and fine structure of CHO cells following enucleation. Proc. Natl. Acad. Sci. (U.S.A.) 71: 3059-3063.
- Shay, J. W., M. R. Gershenbaum, and K. R. Porter 1975 Enucleation of CHO cells by means of cytochalasin B and centrifugation: The topography of enucleation. Exp. Cell Res. 94: 47-55.
- *Shay, J. W. and M. A. Clark 1977 Morphological studies on the enucleation of colchicine treated L-929 cells. J. Ultrastruct. Res. 58: 155-161.
- Shay, J. W., K. R. Porter, and T.C. Krueger 1977 Motile behavior and topography of whole and enucleate mammalian cells on modified substrates. Exp. Cell Res. 105: 1-8.
- Shay, J. W. 1977 Selection of reconstituted cells from karyoplasts fused to chloramphenicol resistant cytoplasts. Proc. Natl. Acad. Sci. (U.S.A.) 74: 2461-2464.
- *Shay, J. W., T. T. Peters, and J. W. Fuseler 1978 Cytoplasmic transfer of chloramphenicol-resistance, intracisternal A virus particles, and microtubule organizing centers in mouse tissue culture cells. Cell 14: 835-842.
- Shay, J. W. and M. A. Clark 1979 Nuclear control of tumorigenicity in reconstructed cells by PEG-induced fusion of cell fragments. J. Supramolec. Struct. 11: 33-49.
- Shay, J. W. and M. A. Clark 1980 A new method for identifying reconstituted cells. Proc. Natl. Acad. Sci. (U.S.A.) 77: 381-384.
- Clark, M. A., L. Goldstein, and J. W. Shay 1980 Techniques for purifying L-cell karyoplasts that do not regenerate. Somatic Cell Genetics 6: 455-464.
- Shay, J. W., G. Lorkowski, and M. A. Clark 1981 Suppression of tumorigenicity in cybrids. J. Supramolec. Struct. and Cellular Biochem. 16: 75-82.
- Weide, L. G., M. A. Clark, C. S. Rupert, and J. W. Shay 1982 Detrimental effect of mitochondria on hybrid cell survival. Somatic Cell Genetics 8: 15-21.
- Clark, M.A. and J.W. Shay 1982 Mitochondrial transformation of mammalian cells. Nature 295: 605-607.
- Clark, M. A. and J. W. Shay 1982 Long lived factors that suppress adrenal steroidogenesis Proc. Nat. Acad. Sci. (U.S.A.) 79: 1144-1148.
- Fuseler, J. W. and J. W. Shay 1982 The association of desmin with the developing myofibrils of cultured embryonic rat heart myocytes. Developmental Biology 91:448-457.
- Walker, C. and J. W. Shay 1983 The effect of mitochondrial dosage on the transfer of chloramphenicol resistance. Somatic Cell Genetics 9: 469-476.
- Cuthbert, J. A. and J. W. Shay 1983 Microtubules and lymphocyte responses: effect of colchicine and taxol on mitogen-induced human lymphocyte activation and proliferation. J. Cell Physiol. 116: 127-134.
- Shay, J. W. 1983 Cytoplasmic modification of nuclear gene expression. Mol. Cell Biochem. 57: 17-26.