

CURRICULUM VITA

ELLIOTT S. GOLDSTEIN
School of Life Science
Cellular, Molecular and Biosciences Group

EDUCATION

<u>Institution</u>	<u>Degree</u>	<u>Year Granted</u>
University of Connecticut		1960-1962
University of Hartford	B.S.	1962-1967
University of Minnesota	M.S.	1967-1970
University of Minnesota	Ph.D.	1972

AREA OF SPECIALIZATION

Genetics, molecular biology, control of messenger RNA during development of Drosophila, recombinant DNA, Drosophila oncogenes structure, regulation and evolution.

PROFESSIONAL EMPLOYMENT

<u>Employer</u>	<u>Title or Rank</u>	<u>Year</u>
Mass. Inst. Tech.	Post Doctoral Fellow (NIH)	1972-1974
Arizona State University	Assistant Professor Associate Professor	1974-1978
1978-present California Institute of Technology (Jun-Dec)	Visiting Associate Professor	1981
Indiana University	Visiting Scholar	1989 (Aug-Dec)

COURSES TAUGHT

Molecular Genetics
General Genetics
Developmental Genetics
Methods in Molecular Biology
General Biology

PROFESSIONAL PARTICIPATION

Membership

Sigma Xi, The Scientific Research Society
(President ASU Chapter, 1996-97, Treasurer 1997- present)
AAAS
Society for Developmental Biology
Genetics Society of America

Graduate Advisor: Lee A. Snyder

Postdoctoral Advisor: Sheldon Penman

PUBLICATIONS

ELLIOTT S. GOLDSTEIN

- Snyder, L. A. and E. Goldstein. 1969. "Enzymes of Nucleic Acids Metabolism in Fertilized and Unfertilized Drosophila Eggs". Genetics 61: s56. (Abstract).
- Goldstein, E. and L. A. Snyder. 1972. "Purification and Properties of Thymidylate Kinase from Drosophila Eggs". Federation Proceedings 30: 861. (Abstract).
- Goldstein, E. and L. A. Snyder. 1972. "A Cell-Free Protein Synthesis System from Newly Fertilized Eggs of Drosophila melanogaster". Biochem. Biophys. Acta 281: 130-139.
- Goldstein, E. and L. A. Snyder. 1973. "Protein synthesis and Distribution of Ribosomal Elements in Ovarian Oocytes and Early Development Stages of Drosophila melanogaster". Exp. Cell Res. 81: 47-56.
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- Kaufman, Y., E. Goldstein and S. Penman. 1975. "Polio Virus Induced Inhibition of In Vitro Polypeptide Initiation on Endogenous, but not Exogenous mRNA". Cell Biology 67: 203a (Abstract).
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- Weide, C. and E. Goldstein. 1976. "Analysis of Protein Synthesis During Early Embryogenesis of Drosophila melanogaster Female Sterile Mutants". Publ. of Ariz. Acad. of Sci. 11: 63 (Abstract).
- Arthur, C. and E. Goldstein. 1977. "Rate of Drosophila melanogaster Development at 15°C". Drosophila Information Service. 52: 48.
- Lovett, J. and E. S. Goldstein. 1977. "Location of Poly A Containing RNA in Oocytes and Embryos of Various Ages of D. melanogaster". Dev. Biol. 61: 70-78.
- Goldstein, E. 1978. "Translated and Untranslated Message Sequences in Drosophila Embryos". Dev. Biol. 63: 59-66.
- Arthur, C. G., Weide, C. M., Vincent, W. S. Goldstein, E. S. 1979. "mRNA Sequence Diversity During Early Embryogenesis in Drosophila melanogaster". Exp. Cell Res. 121: 87-94.
- Goldstein, E. S., and C. G. Arthur. 1979. "Isolation and Characterization of cDNA Complementary to Poly A⁺ RNA which disappears from the Drosophila Oocyte During Development". Biochem. Biophys. Acta 565: 265-274.

- Weide, C. M., Vincent, W. S. and E. S. Goldstein. 1980. "Isolation and Characterization of cDNA Complementary to the Prevalent Class of Poly A⁺ RNA from Oocytes of Drosophila melanogaster". *Biochemistry* 19: 5092-5098.
- Vincent, W. S. III., and E. S. Goldstein. 1981. "Preparation of Covalently Closed Circular Plasmid DNA". *Ann. Biochem.* 110: 123-127.
- Vincent, W. S. III., and E. S. Goldstein. 1984. "Regulation of Developmental Embryonic Genes in Drosophila melanogaster". *Genetics* 107: 511 (Abstract).
- Goldstein, E. S., Berry, T. and E. Novitski. 1984. "Evidence for the Presence of Telomeric Material in the Junction of 2L and 2R in Entire Compound Two Chromosomes". *Dros. Info. Ser.* 60: 117.
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- Allen, S. A. and E. S. Goldstein. 1986. "Characterization of the Deb-A Transcription Unit". Report of the 27th Annual Drosophila Conference. pg. 32 (Abstract).
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- Goldstein, E. S. and S. A. Allen. 1987. "Regulation of the Deb Genes During Drosophila Embryogenesis" Report of the 28th Annual Drosophila Conference. pg. 16 (Abstract).
- Staten, J., W..S. Vincent III, S.A. Allen and E..S. Goldstein, 1988. "Characterization of the Genes for Two Small Membrane Proteins: Deb-A and Deb-B". Report of the 29th Annual Drosophila Conference. pg. 59 (Abstract).
- Duplissa, D. and E. S. Goldstein. 1989. "Analysis of Chromatin Surrounding Deb-A and Deb-B Transcription Units." Report of the 30th Annual Drosophila Conference. pg. 39 (Abstract).
- Wang, G..L., Duplissa, D.A. and E..S. Goldstein. 1990. "The 5' Control Region of the Deb-A Gene." Report of the 31st Annual Drosophila Conference. pg. 58, (abstract).
- Vincent, W..S. III., E..S. Goldstein and S. A. Allen. 1990. "Sequence and Expression of Two Regulated Transcription Units During Drosophila melanogaster Development: Deb-A and Deb-B". *Biochem. Biophys. Acta.* 1049: 59-68.
- Wang, G..L. and E..S. Goldstein. 1991. "Localization of Regulatory Elements Required for Expression of Oncogene *jun* in cultured cells". Report of the 32nd Annual Drosophila conference, pg. 4 addendum (abstract).
- Wang, G..L. and E..S. Goldstein. 1991. "Analysis of *Deb-A* Gene Regulation. An AP-1 Bonding site is a Developmentally Regulated Negative Element". Report of the 32nd Annual Drosophila Conference, pg. 51. (abstract).
- Goldstein, E..S. and Wang, G..L. 1992. "Localization of Regulatory Elements Required for Expression of Oncogene *jun* in cultured cells". Report of 33rd Annual Drosophila Conference, pg. 68 (abstract).
- Goldstein, E..S., Treadway, S. and Lafferty, C. 1993. "Further Studies on the Drosophila Homolog of the Jun Oncogene". Report of the 34th Annual Drosophila Conference. pg. 301 (abstract).
- Wang, G..L. and E..S. Goldstein. 1993. "An AP-1 Site in the Drosophila Deb-A Gene Upstream Region is a Developmentally Regulated Negative Element." *Biochem. Biophys. Acta.* 1216: 94-104.

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- Lim, J.K. and Goldstein, E..S. 1994. "The Limit of Resolution for in *sito* hybridization of Biotinglated DNA Probes to Polytene Chromosomes.": Report of the 35th Annual *Drosophila* Conference pg. 211 (abstract).
- Wang, G..L. and E..S. Goldstein. 1994. "Transcription of *Djun* from *D. melanogaster* is Positively Regulated by DTF-1, AP-1 and CREB Binding sites." Exp. Cell Res. 214: 389-399.
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- Goldstein, E. S., Keitly, A..T., Imperial, M., and Guest, S. (1997). "A Genetic Analysis of the 2R 46 C-F Region Containing the *Drosophila* Homolog of the jun proto-oncogene". Report of the 37th Annual *Drosophila* Conference. Pg. 108 (abstract).
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- O’Day, M. A. and Goldstein, E. S. (2003) ‘The identification and Characterization of *persephone*, A Gene that codes for a Transcription Factor in *Drosophila melanogaster*.” Report of the 44th Annual *Drosophila* Conference. Pg 143 (abstract)
- Hudson, S. G. and Goldstein, E. S. (2004) “Characterization of the *Drosophila* gene *fig* (*fos* intronic gene).” Report of the 45th Annual *Drosophila* Research Conference. Pg 195 (abstract).
- Hudson, S. G. and Goldstein E. S. (2005) “The Gene Structure of *kayak* and *fig*: A Complex Chromosome Region With a Nested Gene.” Report of the 46th Annual *Drosophila* Research Conference. Pg 207 (abstract)
- Hudson, S. G. and Goldstein, E. S (2006) “Characterization of the *D. melanogaster* homolog of the human proto-oncogene *fos* (*kayak*) and its nested gene *fig*”. Report of the 47th Annual *Drosophila* Research Conference. Pg 195 (abstract)

Hudson, S. G. and Goldstein, E. S. (2007) “Phylogenetic analysis suggests a functional relationship between *kayak* the Drosophila Fos homolog and *fig* a predicted PP2C phosphatase nested within a *kayak* intron” Report of the 48th Annual Drosophila Research Conference, Pg. 321 (abstract)

Hudson, S. G, Garrett, M.J., Carlson, J.W., Micklem, G., Celniker, S.E., Goldstein, E.S. and Newfeld, S.J. (2007) “Phylogenetic and genome-wide analyses suggests a functional relationship between *kayak* the Drosophila Fos homolog and *fig* a predicted PP2C phosphatase nested within a *kayak* intron” Genetics 177, 1349-1361

Hudson, S. G. and Goldstein, E. S. (2008) “Characterization of the gene structure and embryonic expression pattern of the nested *Drosophila melanogaster* genes *kayak* and *fig*” Gene 420, 76-81

Krebs, J. E., Goldstein, E. S. and Kilpatrick, S. T. (2009) Lewin’s Essential Genes, 2nd Edition. Jones and Bartlett Publishers, 10 chapters

Krebs, J. E., Goldstein, E. S. and Kilpatrick, S. T. (2010) Lewin’s Genes X, 10th Edition. Jones and Bartlett Publishers, 10 chapters

Krebs, J. E., Goldstein, E. S. and Kilpatrick, S. T. (2011) Lewin’s Essential Genes, 3rd Edition. Jones and Bartlett Publishers, 10 chapters

Krebs, J. E., Goldstein, E. S. and Kilpatrick, S. T. (2012) Lewin’s Genes XI, 11th Edition. Jones and Bartlett Publishers, 10 chapters