

Spyros Artavanis-Tsakonas

Chaire Biologie et génétique du développement (1999-2012)

Bibliographie

Principaux ouvrages et articles de 2000 à 2010

- Mazzone M., Selfors L. M., Albeck J., Overholtzer M., Sale S., Carroll D. L., Pandya D., Lu Y., Mills G. B., Aster J. C., Artavanis-Tsakonas S. et Brugge J. S., « Dose-dependent induction of distinct phenotypic responses to Notch pathway activation in mammary epithelial cells », *PNAS USA*, vol. 107, n° 11, 2010, p. 5012-5017.
- Lake R. J., Grimm L. M., Veraksa A., Banos A. et Artavanis-Tsakonas S., « In vivo analysis of the Notch receptor S1 cleavage », *PLoS One*, vol. 4, n° 8, 2009.
- Fre S., Pallavi S. K., Huyghe M., Laé M., Janssen K. P., Robine S. et Artavanis-Tsakonas S., Louvard D., « Notch and Wnt signals cooperatively control cell proliferation and tumorigenesis in the intestine », *PNAS USA*, vol. 106, n° 15, 2009, p. 6309-6314.
- Hurlbut G. D., Kankel M. W. et Artavanis-Tsakonas S., « Nodal points and complexity of Notch-Ras signal integration », *PNAS USA*, vol. 106, n° 7, 2009, p. 2218-2223.
- Chang H. C., Dimlich D. N., Yokokura T., Mukherjee A., Kankel M. W., Sen A., Sridhar V., Fulga T. A., Hart A. C., Van Vactor D. et Artavanis-Tsakonas S., « Modeling spinal muscular atrophy in *Drosophila* », *PLoS One*, vol. 3 n° 9, 2008.
- Arboleda-Velasquez J. F., Zhou Z., Shin H. K., Louvi A., Kim H. H., Savitz S. I., Liao J. K., Salomone S., Ayata C., Moskowitz M. A. et Artavanis-Tsakonas S., « Linking Notch signaling to ischemic stroke », *PNAS USA*, vol. 105, n° 12, 2008, p. 4856-4861.
- Kankel M. W., Hurlbut G. D., Upadhyay G., Yajnik V., Yedvobnick B. et Artavanis-Tsakonas S., « Investigating the genetic circuitry of mastermind in *Drosophila*, a notch signal effector », *Genetics*, vol. 177, n° 4, 2007, p. 2493-505.
- Kelly D. F., Lake R. J., Walz T., Artavanis-Tsakonas S., « Conformational variability of the intracellular domain of *Drosophila* Notch and its interaction with Suppressor of Hairless », *PNAS USA*, vol. 23, 2007, p. 9591-9596.
- Hurlbut G. D., Kankel M. W., Lake R. J. et Artavanis-Tsakonas S., « Crossing paths with Notch in the hyper-network », *Curr Opin Cell Biol.*, vol. 19, n° 2, 2007, p. 166-175.
- Klinakis A., Szabolcs M., Politi K., Kiaris H., Artavanis-Tsakonas S. et Efstratiadis A., « Myc is a Notch1 transcriptional target and a requisite for Notch1-induced mammary tumorigenesis in mice » *PNAS USA*, vol. 19, n° 2, 2006, p. 166-175.
- Louvi A., Arboleda-Velasquez J. et Artavanis-Tsakonas S., « CADASIL: a critical look at a Notch disease », *Dev Neurosci*, n° 8, 2006, p. 5-12.

- Mourikis P., Hurlbut G. D., et Artavanis-Tsakonas S., « Enigma, a mitochondrial protein affecting lifespan and oxidative stress response in *Drosophila* », *PNAS USA*, n° 5, 2006, p. 1307-1312.
- Louvi A. et Artavanis-Tsakonas S., « Notch signalling in neural development », *Nature Rev Neurosci*, n° 2, 2006, p. 93-102.
- Mukherjee A., Veraksa A., Bauer A., Rosse C., Camonis J. et Artavanis-Tsakonas S., « Regulation of Notch signalling by non-visual beta-arrestin », *Nature Cell Biol.*, n° 12, 2005, p. 1191-1201.
- Fre S., Huyghe M., Mourikis P., Robine S., Louvard D. et Artavanis-Tsakonas S., « Notch signals control the fate of immature progenitor cells in the intestine », *Nature*, vol. 435, 2005, p. 964-968.
- Veraksa A., Bauer A. et Artavanis-Tsakonas S., « Analyzing protein complexes in *Drosophila* with Tandem Affinity Purification-mass spectrometry », *Dev. Dyn.*, vol. 232, 2005, p. 827-834.
- Moberg K. H., Mukherjee A., Veraksa A., Artavanis-Tsakonas S. et Hariharan, I. K., « The *Drosophila* F Box Protein Archipelago Regulates dMyc Protein Levels In Vivo », *Curr. Biol.*, vol. 14, 2004, p. 965-974.
- Artavanis-Tsakonas S., « Accessing the Exelixis collection », *Nat Genet.*, vol. 36, n° 3, 2004, p. 207.
- Beltran S., Blanco E., Serras F., Perez-Villamil B., Guigo R., Artavanis-Tsakonas S., Corominas M., « Transcriptional network controlled by the trithorax-group gene *ash2* in *Drosophila melanogaster* », *PNAS USA*, vol. 100, n° 6, 2003, p. 3293-3298.
- Grandbarbe L., Bouissac J., Rand M., Hrabe de Angelis M., Artavanis-Tsakonas S. et Mohier E., « Delta-Notch signaling controls the generation of neurons/glia from neural stem cells in a stepwise process », *Development*, vol. 130, 2003, p. 1391-1402.
- Mishra-Gorur K., Rand M. D., Perez-Villamil B. et Artavanis-Tsakonas S., « Down-regulation of Delta by proteolytic processing », *J Cell Biol*, vol. 159, 2002, p. 313-324.
- Matsuno K., Ito M., Hori K., Miyashita F., Suzuki S., Kishi N., Artavanis-Tsakonas S. et Okano H., « Involvement of a proline-rich motif and RING-H2 finger of Deltex in the regulation of Notch signaling », *Development*, vol. 129, 2002, p. 1049-1059.
- Kiaris H., Schally A. V., Busto R., Halmos G., Artavanis-Tsakonas S. et Varga J. L., « Expression of a splice variant of the receptor for GHRH in 3T3 fibroblasts activates cell proliferation responses to GHRH analogs », *PNAS USA*, vol. 99, 2002, p. 3293-3298.

Principaux ouvrages et articles de 1970 à 2000

- Artavanis-Tsakonas, S., Synthese von Peptidsubstraten fuer alpha Chymotrypsin. Diplomarbeit bei Prof Dr.V. Prelog. Organisch-chemisches Laboratorium der Eidgenoessissen Technischen Hochschule, Zuerich. (1970)
- Artavanis-Tsakonas, S., Triose phosphate isomerase from *Bacillus stearothermophilus*. Ph. D. Thesis Cambridge University. (1974)
- Artavanis-Tsakonas, S., Tschudi, C., Schedl, P., Steward, R., Pirrotta, V. and Gehring, W. J. The 5s genes in *Drosophila melanogaster melanogaster*. *Cell* 12: 1057-1067. (1977)
- Weideli, H., Schedl, P., Steward, R., Yuan, R., and Artavanis-Tsakonas, S., and Gehring, W.J. Purification of protein with specific affinity for a defined DNA sequence from unfertilized eggs of *Drosophila melanogaster*, and the cloning of this DNA sequence in bacterial plasmids. *Cold Spring Harbor Symp. Quant. Biol.* 42:693. (1977)
- Schedl, P., Moran, L., Mirault, M.E., Goldschmidt-Clermont, M., Steward, P., Artavanis-Tsakonas, S., Gehring W.J., and Tissieres, A. Two hybrid plasmids with *Drosophila melanogaster melanogaster* DNA sequences complementary to mRNA coding for the major heat shock protein. *Cell* 14: 921-929. (1978)
- Artavanis-Tsakonas, S., Tissieres, A., Moran, L., Mirault, M.E., Goldschmidt-Clermont, M., Arrigo, P., Schedl, P., Steward, R., Gehring, W.J., and Lis, J. Heat activated genes of *Drosophila melanogaster melanogaster*, in Alfred Benzon Symposium 13 on Specific Eucaryotic Genes, 82. (1978)
- Ish-Horowicz, D., Schedl, P., Artavanis-Tsakonas, S., Pinchin, S.M. and Mirault, M.E. (Genetic and molecular analysis of the 87A and 87C1 heat inducible loci of *D. melanogaster*. *Cell* 18: 1351-1358. (1979)
- Moran, L., Tissieres, A., Lis, J., Mirault, M.E., Schedl, P., Artavanis-Tsakonas, S. and Gehring, W.J. A physical map of two *Drosophila melanogaster melanogaster* DNA segments containing sequences coding for the 70,000 d heat shock protein. *Cell* 17: 1-11. (1979)
- Artavanis-Tsakonas, S., Moran, L., Mirault, M.E., Schedl, P. and Lis, J. . The genes for the 70,000 d heat shock protein in the cloned *Drosophila melanogaster melanogaster* DNA Segments. *Cell* 17: 9-18. (1979)
- Mirault, M.,E., Goldschmidt-Clermont, M., Artavanis-Tsakonas, S. and Schedl, P. Organization of the multiple genes for the 70,000 d heat shock protein in *D. melanogaster*. *Proceedings National Academy of Science, U.S.A.* 76:5254-5258. (1979)
- Artavanis-Tsakonas, S., and Harris, J.I. The primary structure of TIM from *B. Stearothermophilus*. *European Journal of Biochemistry* 108: 599-611. (1980)
- Dudler, R., Egg, A.H., Kubli, E., Artavanis-Tsakonas, S., Gehring, W.J., Steward, P., and Schedl, P. Transfer RNA genes of *Drosophila melanogaster melanogaster* *Nucleic Acids Research* 8: 2921-2930. (1980)
- Lis, J., Neckameyer, W., Mirault, M.E., Artavanis-Tsakonas, S., Lall, S., Martin, G. and Schedl, P. DNA sequences flanking the starts of the hsp70 and heat shock genes are homologous. *Developmental Biology* 83: 291-300. (1981)

- Artavanis-Tsakonas, S., Muskavitch, M. and Yedvobnick, B. The molecular cloning of Notch: a locus affecting neurogenesis in *Drosophila melanogaster*. *Proceedings National Academy Science, U.S.A.* 80: 1977-1981. (1983)
- Artavanis-Tsakonas, S., Grimwade, B., Harrison, B., Markopoulou, K., Muskavitch, M., Schlesinger-Bryant, R., Wharton, K., and Yedvobnick, B. The Notch locus of *Drosophila melanogaster melanogaster*: A molecular analysis. *Developmental Genetics* 4: 223-254. . (1984)
- Wharton, K., Yedvobnick, B., Finnerty, V., and Artavanis-Tsakonas, S. Opa: A novel family of transcribed repeats shared by the Notch locus and other developmentally regulated loci in *Drosophila melanogaster melanogaster* *Cell* 40: 55-62. (1985)
- Grimwade, B., Muskavitch, M., Welshons, W., Yedvobnick, B., and Artavanis-Tsakonas, S. The molecular genetics of the Notch locus in *Drosophila melanogaster melanogaster*. *Developmental Biology* 107: 503-519. (1985)
- Wharton, K.A., Johansen, K.M., Xu, T., and Artavanis-Tsakonas, S. Nucleotide sequence from the neurogenic locus Notch implies a gene product which shares homology with proteins containing EGF-like repeats. *Cell.* 43: 567-581. (1985)
- Yedvobnick, B., Muskavitch, M., Wharton, K.A., Halpern, M.E. Paul, A., Grimwade, B. and Artavanis-Tsakonas, S. Molecular Genetics of *Drosophila melanogaster* Neurogenesis. *Symp Quant Biol* 50: 841-854. (1985)
- Artavanis-Tsakonas, S., Grimwade, B., Halpern, M., Johansen, K., Markopoulou, K., Ramos, C., Schlesinger-Bryant, R., Wharton, K., and Yedvobnick, B. Molecular biology of genes involved in the neurogenesis of *Drosophila melanogaster*. *Proc. 44th Symp. of the Society for Developmental Biology.* (1986)
- Hartley, D.A., Xu, T. and Artavanis-Tsakonas, S. The embryonic expression of the Notch locus of *Drosophila melanogaster melanogaster* and the implications of point mutations in the extracellular EGF-like domain of the predicted protein. *EMBO J.* 6: 3407-3417. (1987)
- Artavanis-Tsakonas, S. The molecular biology of the Notch locus and the fine tuning of differentiation in *Drosophila melanogaster*. *Trends in Genetics* 4: 95-100. (1988)
- Hartley D.A., Preiss, A., and Artavanis-Tsakonas, S. . A deduced gene product from the *Drosophila melanogaster* neurogenic locus, Enhancer of split, shows homology to mammalian G-protein beta subunit. *Cell* 55: 785-795. (1988)
- Preiss, A., Hartley, D. A., and Artavanis-Tsakonas, S. The molecular genetics of Enhancer of Split, a gene required for embryonic neural development in *Drosophila melanogaster*. *EMBO J.* 7: 3917-3927. (1988)
- Rothberg, J., Hartley, D. A., Walther, Z., and Artavanis-Tsakonas, S. slit: an EGF-homologous locus of *Drosophila melanogaster melanogaster* involved in the development of the embryonic central nervous system. *Cell* 55: 1047-1059. (1988)
- Ramos, R.G.P., Grimwade, B. G., Wharton, K. A. and Artavanis-Tsakonas, S. Physical and Functional Definition of the *Drosophila melanogaster* Notch Locus by P-Element Transformation. *Genetics* 123: 337-348. (1989)

- Markopoulou, K. and Artavanis-Tsakonas, S. The expression of the neurogenic locus Notch during the imaginal development of *Drosophila melanogaster* and its relationship to mitotic activity. *Journal of Neurogenetics* 6: 11-26. (1989)
- Johansen, K. M., Fehon, R.G., and Artavanis-Tsakonas, S. The Notch Gene Product is a Glycoprotein Expressed on the Cell Surface of Both Epidermal and Neuronal Precursor Cells During *Drosophila melanogaster* Development. *Journal of Cell Biology* 109: 2000-2015. (1989)
- Markopoulou, K., Welshons, W.J., and Artavanis-Tsakonas, S. Phenotypic and molecular analysis of the facets, a group of intronic mutations in the Notch locus. *Genetics* 122: 417-428. (1989)
- Xu T., Rebay, I., Fleming, R.J., Scottgale, T.N. and Artavanis-Tsakonas, S.. The Notch locus and the genetic circuitry involved in early *Drosophila melanogaster* neurogenesis. *Genes and Development* 4: 464-475. (1990)
- Fehon, R. G., Kooh, P., Rebay, I., Regan, C., Xu, T., Muskavitch, M.A., and Artavanis-Tsakonas, S. Molecular Interactions between the Protein Products of the Neurogenic Loci Notch and Delta, Two EGF-Homologous Genes in *Drosophila melanogaster*. *Cell* 61: 523-534. (1990)
- Artavanis-Tsakonas, S., Delidakis, C., Fehon, R., Hartley, D., Herndon, V., Johansen, K., Markopoulou, K., Preiss, A., Rebay, I., Scottgale, N. and Xu, T. Notch and the Molecular Genetics of Neuroblast Segregation in *Drosophila melanogaster*. *Molecular Reproduction and Development* 27: 23-27. (1990)
- Xu, T. and Artavanis-Tsakonas, S. *deltex*, a Locus Interacting with the Neurogenic Genes, Notch, Delta and *mastermind* in *Drosophila melanogaster*. *Genetics* 126: 655-677. (1990)
- Markopoulou, K., and Artavanis-Tsakonas, S.. Genetic and developmental analysis of the facet alleles in the Notch locus. *Journal of Experimental Zoology* 27: 23-27. (1990)
- Fleming, R.J., Scottgale, T.N., Diederich, R.J. and Artavanis-Tsakonas, S. The gene *Serrate* encodes a putative EGF-like transmembrane protein essential for proper ectodermal development in *Drosophila melanogaster*. *Genes and Development* 4: 2188-2201. (1990)
- Rothberg, J., Jacobs, J.R., Goodman, C.S. and Artavanis-Tsakonas, S. *slit*: An Extracellular Protein Necessary for Development of Midline Glia and Commissural Axon Pathways Contains both EGF and LRR Domains. *Genes and Development*. 4: 2169-2187. (1990)
- Fehon, R.G., Johansen, K.M., Rebay, I., and Artavanis-Tsakonas, S. Complex Spatial and Temporal Regulation of Notch Expression during Embryonic and Imaginal Development of *Drosophila melanogaster*: Implications for Notch Function. *Journal of Cell Biology* 113: 657-669. (1991)
- Markopoulou, K., and Artavanis-Tsakonas, S. Developmental Analysis of the facets, a Group of Intronic Mutations at the Notch Locus of *Drosophila melanogaster* That Affect Postembryonic Development. *Journal of Experimental Zoology* 257: 314-329. (1991)
- Artavanis-Tsakonas, S., Delidakis, C., and Fehon, R.G. The Notch Locus and the Cell Biology of Neuroblast Segregation. *Annual Review of Cell Biology* 7: 427-452. (1991)

- Delidakis, C., Preiss, A., Hartley, D., Artavanis-Tsakonas, S. Two genetically and molecularly distinct functions involved in early neurogenesis reside in the Enhancer of split locus of *Drosophila melanogaster melanogaster*. *Genetics* 129: 803-823. (1991)
- Artavanis-Tsakonas, S., and Simpson, P. Choosing a cell fate: A view from the Notch locus. *Trends in Genetics* 7: 403-408. (1991)
- Rebay, I., Fleming, R.J., Fehon, R.G., Cherbas, L., Cherbas, P., and Artavanis-Tsakonas, S. Specific EGF repeats of Notch mediate interactions with Delta and Serrate: Implications for Notch as a multifunctional receptor. *Cell* 67: 687-699. (1991)
- Xu, T., Caron, L.A., Fehon, R.G., and Artavanis-Tsakonas, S., The Involvement of the Notch Locus in *Drosophila melanogaster* Oogenesis. *Development* 115: 913-922. (1992)
- Delidakis, C. and Artavanis-Tsakonas, S. The Enhancer of split locus of *Drosophila melanogaster* harbors seven independent HLH proteins. *Proceedings National Academy of Science* 89: 8731-8735. (1992)
- Rothberg, J.M. and Artavanis-Tsakonas, S. The Modularity of the slit protein: Characterization of a Conserved Carboxy-Terminal Sequence in Secreted Proteins and a Motif Implicated in Extracellular Protein Interactions. *Journal of Molecular Biology* 227: 367-370. (1992)
- Stifani, S., Blaumueller, C., Redhead, N.J., Hill, R.E., and Artavanis-Tsakonas, S. The Products of the Human Homologs of the Transducin Like Enhancer of Split Gene of the *Drosophila melanogaster* Notch Group Show Features Associated with Nuclear Functions. *Nature Genetics* 7: 119-126. (1992)
- Dawson, I, Roth, S., Akam, M.E., and Artavanis-Tsakonas, S., Rebay, I., Caron, L.A., and Artavanis-Tsakonas, S. (1993). An activated Notch receptor blocks cell-fate commitment in the developing *Drosophila melanogaster* eye. *Nature* 365: 555-557. (1993)
- Rebay, I., Fortini, M.E., and Artavanis-Tsakonas, S. Analysis of Phenotypic Abnormalities and Cell Fate Changes Caused by Dominant Activated and Dominant Negative Forms of the Notch Receptor in *Drosophila melanogaster* Development. *C.R. Academy Science Paris Sciences de la Vie/Life sciences*. 316: 1111-1123. (1993)
- Fortini, M. and Artavanis-Tsakonas, S. Notch: Neurogenesis is only part of the picture. *Cell* 75: 1245-1247. (1993)
- Busseau, I., Diederich, R.J., Xu, T., and Artavanis-Tsakonas, S., A member of the Notch group of interacting loci, *deltex* encodes a cytoplasmic basic protein. *Genetics* 136: 575-585. (1994)
- Frankel, S., Heintzelman, M., Artavanis-Tsakonas, S. and Mooseker, M., Identification of a Divergent Actin Related Protein in *Drosophila melanogaster*. *Journal of Molecular Biology* 235: 1351-1356. (1994)
- Diederich, R.J., Matsuno, K., Hing, H. and Artavanis-Tsakonas, S. *deltex* Implicated in Notch-mediated Signal Transduction: Evidence for Cytosolic Interaction with Notch *cdc10/SW16/ankyrin* repeats. *Development* 120: 473-481. (1994)
- Fehon, R., Dawson, I. and Artavanis-Tsakonas, S.. The *Drosophila melanogaster* Homologue of Membrane Skeleton Protein 4.1 is a component of Septate Junctions and is Encoded by the *coracle* gene. *Development* 120: 545-557. (1994)

- Hing, H.K., Sun, X. and Artavanis-Tsakonas, S. Modulation of Wingless signaling by Notch in *Drosophila melanogaster*. *Mechanisms of Development* 47: 261-268. (1994)
- Fortini, M., and Artavanis-Tsakonas, S. The Suppressor of Hairless protein participates in Notch receptor signaling. *Cell* 79: 273-282. (1994)
- Dawson, I. Roth, S. and Artavanis-Tsakonas, S. The *Drosophila melanogaster* cell cycle gene *fizzy* is required for normal degradation of cyclins A and B during mitosis and has homology to the *CDC20* gene of *Saccharomyces cerevisiae*. *Journal of Cell Biology* 129:725-738, (1995)
- Matsuno, K., Diederich, R.J., Go, M.J., Blaumueller, C.M., and Artavanis-Tsakonas, S. The Involvement of Deltex in Notch Signaling. *Development* 121:2633-2644. (1995)
- Zagouras, P., Stifani, S., Blaumueller, C.M., Carcangiu, M.L., and Artavanis-Tsakonas, S.. Alterations in Notch signaling in Neoplastic Lesions of the Human Cervix. *Proceedings National Academy Science* 92:6414-6418 (1995)
- Artavanis-Tsakonas, S., Matsuno, K., Fortini, M.E., . Notch Signaling. *Science* 268:173-336. (1995)
- Ahmad, I., Zagouras, P., Artavanis-Tsakonas, S. Involvement of Notch-1 in mammalian retinal neurogenesis: association of Notch-1 activity with both immature and terminally differentiated cells. *Mechanisms of Development* 53:73-85, (1995)
- Liu, Y., Dehni, G., Purcell, K., Sokolow, J., Carcangiu, M., Artavanis-Tsakonas, S., Stifani, S. Epithelial Expression and Chromosomal Location of Human TLE Genes: Implications for Notch Signaling and Neoplasia. *Genomics* 31:58-64. (1996)
- Axelrod, J., Matsuno, K., Artavanis-Tsakonas, S., Perrimon, N. Interaction Between Wingless and Notch Signaling Pathways Mediated by Dishevelled. *Science* 271:1826-1832, . (1996)
- Sun, X., and Artavanis-Tsakonas, S. (1996) The intracellular deletions of DELTA and SERRATE define dominant negative forms of the *Drosophila melanogaster* Notch ligands. *Development* 122:2465-2474, (1996)
- Verheyen, E. M., Purcell, K. J., Fortini, M. E. and Artavanis-Tsakonas, S - Analysis of dominant enhancers and suppressors of activated Notch in *Drosophila melanogaster*. *Genetics* 144:1127-1141, (1996)
- Blaumueller, C. and Artavanis-Tsakonas, S. Comparative Aspects of Notch Signaling in Lower and Higher Eukaryotes. *Perspectives on Developmental Neurobiology*:4:325-343, (1997)
- Artavanis-Tsakonas, S. (1997) Human Alagille Syndrome- a notch up for the Notch Receptor. (1997) *Nature Genetics*:16:212-213
- Sun, X. and Artavanis-Tsakonas, S. Secreted forms of DELTA and SERRATE define antagonists of Notch Signaling in *Drosophila melanogaster*. *Development*:124:3439-3448
- Blaumueller, C., Qi, H., Zagouras, P., and Artavanis-Tsakonas, S. Intracellular Cleavage of Notch Leads to a Heterodimeric Receptor on the Plasma Membrane. *Cell*:90:1-20, (1997)

- Frankel, S. Sigel E.A, Craig C.,Elgin S.C.R., Mooseker M.S and Artavanis Tsakonas S. An actin-related protein in *Drosophila melanogaster* colocalizes with heterochromatin protein 1 in pericentric heterochromatin. *J. Cell Science* :110, 1999-2012, (1997)
- Capobianco, A., Zagouras, P., Blaumueller, C., Artavanis-Tsakonas, S., and Bishop, J.M. Neoplastic Transformation by Truncated Alleles of Human Notch1/Tan1 and Notch2. *Molecular and Cellular Biology*:17:6265-6273. (1997)
- Matsuno, K., Go, M., Sun, X., and Artavanis-Tsakonas, S. Suppressor of Hairless-independent events in Notch signaling imply novel pathway elements. *Development*:124:4265-4273. (1997)
- Fleming R.J., Purcell K. and Artavanis Tsakonas S. The Notch Receptor and its Ligands *Trends in Cell Biology* :7:437-441. (1997)
- Matsuno, K., Eastman, D., Quinn, A.M., Ordentlich, P., Kadesch, T., and Artavanis-Tsakonas, S. Human Deltex: a conserved regulator of Notch Signaling. *Nature Genetics* : 19:74-78. (1998)
- Ordentlich, P., Lin, A., Shen, C.P., Blaumueller, C., Matsuno, K., Artavanis-Tsakonas, S. and Kadesch, T. Notch Inhibition of E47 Supports the Existence of a Novel Signaling Pathway. *Molecular and Cellular Biology* :18:2230-2239, (1998)
- Go, M., Eastman, D. and Artavanis-Tsakonas, S, Context dependent control of cell fate and proliferation by Notch Signaling *Development*:125:2031-2040, (1998)
- Varnum-Finney, B., Purton, L., Yu, M., Brashem-Stein, C., Flowers, D., Staats, S., Moore, K., LeRoux, I., Mann, R., Gray, G., Artavanis-Tsakonas, S., and Bernstein, I- The Notch ligand, Jagged-1, influences the development of primitive hematopoietic precursor cells. *Blood*:91:4084-4091. (1998)
- Go, M., and Artavanis-Tsakonas, S., A genetic screen for novel components of the Notch signaling pathway during *Drosophila melanogaster* bristle development. *Genetics*:150:211-220. (1998)
- Qi, H., Rand, M., Wu, X., Wang, W., Xu, T., and Artavanis-Tsakonas (1998) The Notch ligand Delta is Processed by the Metalloprotease-Disintegrin Kuzbanian. *Science* 283 ,91-94, (1998)
- Fostier, M., Evans, D., Artavanis-Tsakonas, S., and Baron, M. Genetic Characterization of the *Drosophila melanogaster* Suppressor of deltex Gene: A regulator of Notch Signaling. *Genetics* 150:1477-85, (1998)
- Hing HK, Bangalore L, Sun X, Artavanis-Tsakonas S. - Mutations in the heatshock cognate 70 protein (hsc4) modulate Notch signaling. *Eur J Cell Biol* 78(10):690-697, (1999)
- Sestan N, Artavanis-Tsakonas S, Rakic P *Science* – Contact-dependent inhibition of cortical neurite growth mediated by Notch signaling.;286(5440):741-6. (1999)
- Purcell K, Artavanis-Tsakonas S – The developmental role of warthog, the notch modifier encoding Drab6. *J Cell Biol* 146(4):731-40, (1999)
- Cornell M, Evans DA, Mann R, Fostier M, Flasza M, Monthatong M, Artavanis-Tsakonas S, Baron M – The *Drosophila melanogaster* Suppressor of deltex gene, a regulator of the

Notch receptor signaling pathway, is an E3 class ubiquitin ligase. *Genetics* 152:567-76. (1999)

- Artavanis-Tsakonas S, Rand MD, Lake RJ - Notch signaling: cell fate control and signal integration in development. *Science* 284(5415):770-776. (1999)
- Gray GE, Mann RS, Mitsiadis E, Henrique D, Carcangiu ML, Banks A, Leiman J, Ward D, Ish-Horowitz D, Artavanis-Tsakonas - Human ligands of the Notch receptor. *Am J Pathol* 154(3):785-94. (1999)
- Qi H, Rand MD, Wu X, Sestan N, Wang W, Rakic P, Xu T, Artavanis-Tsakonas S Processing of the notch ligand delta by the metalloprotease Kuzbanian. *Science* 283(5398):91-4. (1999)
- Sestan N, Artavanis-Tsakonas S and Rakic P – Contact-dependent inhibition of cortical neurite growth mediated by Notch signaling. *Science* 286:741-6. (1999)
- Cornell M, Evans DA, Mann R, Fostier M, Flasz M, Monthatong M, Artavanis-Tsakonas S and Baron M – The *Drosophila melanogaster* Suppressor of deltex gene, a regulator of the Notch receptor signaling pathway, is an E3 class ubiquitin ligase. *Genetics* 152:567-76 (1999)
- Kurata, S., Go, M., Artavanis-Tsakonas, S., and Gehring, W. Notch signaling and the determination of appendage identity. *Proc. Natl. Acad. Sci.* (2000)
- Kishi N, Tang Z, Maeda Y, Hirai A, Mo R, Ito M, Suzuki S, Nakao K, Kinoshita T, Kadesch T, Hui C, Artavanis-Tsakonas S, Okano H, Matsuno K. Murine homologs of deltex define a novel gene family involved in vertebrate Notch signaling and neurogenesis. *Int J Dev Neurosci.* 2001 Feb;19(1):21-35
- Wu L, Aster JC, Blacklow SC, Lake R, Artavanis-Tsakonas S, Griffin JD. MAML1, a human homologue of *Drosophila* mastermind, is a transcriptional co-activator for NOTCH receptors. *Nat Genet.* 2000 Dec;26(4):484-9
- Kurata S, Go MJ, Artavanis-Tsakonas S, Gehring WJ. Notch signaling and the determination of appendage identity. *Proc Natl Acad Sci U S A.* 2000 Feb 29;97(5):2117-22
- Rand MD, Grimm LM, Artavanis-Tsakonas S, Patriub V, Blacklow SC, Sklar J, Aster Calcium depletion dissociates and activates heterodimeric notch receptors. *Mol Cell Biol.* 2000 Mar;20(5):1825-35