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Chaire Biologie et génétique du développement (1999-2012)

BIBLIOGRAPHIE

PRINCIPALES PUBLICATIONS (de 1970 à 2010)

- 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. et Gehring W. J., « The 5s genes in *Drosophila melanogaster melanogaster* », *Cell*, vol. 12, 1977, p. 1057-1067.
- Weideli H., Schedl P., Steward R., Yuan R., Artavanis-Tsakonas S. et 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.*, vol. 42, n° 693, 1977.
- Schedl P., Moran L., Mirault M. E., Goldschmidt-Clermont M., Steward P., Artavanis-Tsakonas S., Gehring W. J. et Tissieres A., « Two hybrid plasmids with *Drosophila melanogaster melanogaster* DNA sequences complementary to mRNA coding for the major heat shock protein », *Cell*, vol. 14, 1978, p. 921-929.
- Artavanis-Tsakonas S., Tissieres A., Moran L., Mirault M. E., Goldschmidt-Clermont M., Arrigo P., Schedl P., Steward R., Gehring W. J., et Lis J., « Heat activated genes of *Drosophila melanogaster melanogaster* », in J. Engberg, *Alfred Benzon Symposium 13 on Specific Eucaryotic Genes*, 1978.
- Ish-Horowicz D., Schedl P., Artavanis-Tsakonas S., Pinchin S. M. et Mirault M. E., « Genetic and molecular analysis of the 87A and 87C1 heat inducible loci of *D. melanogaster* », *Cell*, vol. 18, 1979, p. 1351-1358.
- Moran L., Tissieres A., Lis J., Mirault M. E., Schedl P., Artavanis-Tsakonas S. et 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*, vol. 17, 1979, p. 1-11.
- Artavanis-Tsakonas S., Moran L., Mirault M. E., Schedl P. et Lis J., « The genes for the 70,000 d heat shock protein in the cloned *Drosophila melanogaster melanogaster* DNA Segments », *Cell*, vol. 17, 1979, p. 9-18.

- Mirault M. E., Goldschmidt-Clermont M., Artavanis-Tsakonas S. et 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.*, vol. 76, 1979, p. 5254-5258.
- Artavanis-Tsakonas S. et Harris J. I., « The primary structure of TIM from *B. Stearothermophilus* », *European Journal of Biochemistry*, vol. 108, 1980, p. 599-611.
- Dudler R., Egg A. H., Kubli E., Artavanis-Tsakonas S., Gehring W. J., Steward P. et Schedl P., « Transfer RNA genes of *Drosophila melanogaster melanogaster* », *Nucleic Acids Research*, vol. 8 1980, p. 2921-2930.
- Lis J., Neckameyer W., Mirault M. E., Artavanis-Tsakonas S., Lall S., Martin G. et Schedl P., « DNA sequences flanking the starts of the hsp70 and heat shock genes are homologous », *Developmental Biology*, vol. 83, 1981, p. 291-300.
- Artavanis-Tsakonas S., Muskavitch M. et Yedvobnick B., « The molecular cloning of Notch: a locus affecting neurogenesis in *Drosophila melanogaster* », *Proceedings National Academy Science U.S.A.*, vol. 80, 1983, p. 1977-1981.
- Artavanis-Tsakonas S., Grimwade B., Harrison B., Markopoulou K., Muskavitch M., Schlesinger-Bryant R., Wharton K., et Yedvobnick B., « The Notch locus of *Drosophila melanogaster melanogaster*: A molecular analysis », *Developmental Genetics*, vol. 4, 1984, p. 223-254.
- Wharton K., Yedvobnick B., Finnerty V. et 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*, vol. 40, 1985, p. 55-62.
- Grimwade B., Muskavitch M., Welshons W., Yedvobnick B. et Artavanis-Tsakonas S., « The molecular genetics of the Notch locus in *Drosophila melanogaster melanogaster* », *Developmental Biology*, vol. 107, 1985, p. 503-519.
- Wharton K. A., Johansen K. M., Xu T. et Artavanis-Tsakonas S., « Nucleotide sequence from the neurogenic locus Notch implies a gene product which shares homology with proteins containing EGF-like repeats », *Cell*, vol. 43, 1985, p. 567-581.
- Yedvobnick B., Muskavitch M., Wharton K. A., Halpern M. E., Paul A., Grimwade B. et Artavanis-Tsakonas S., « Molecular Genetics of *Drosophila melanogaster* Neurogenesis », *Symp. Quant. Biol.*, vol. 50, 1985, p. 841-854.
- Artavanis-Tsakonas S., Grimwade B., Halpern M., Johansen K., Markopoulou K., Ramos C., Schlesinger-Bryant R., Wharton K. et 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. et 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.*, vol. 6, 1987, p. 3407-3417.
- Artavanis-Tsakonas S., « The molecular biology of the Notch locus and the fine tuning of differentiation in *Drosophila melanogaster* », *Trends in Genetics*, vol. 4, 1988, p. 95-100.
- Hartley D. A., Preiss A. et 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*, vol. 55, 1988, p. 785-795.
- Preiss A., Hartley D. A. et Artavanis-Tsakonas S., « The molecular genetics of Enhancer of Split, a gene required for embryonic neural development in *Drosophila melanogaster* », *EMBO J.*, vol. 7, 1988, p. 3917-3927.

- Rothberg J., Hartley D. A., Walther Z., et Artavanis-Tsakonas S., « slit: an EGF-homologous locus of *Drosophila melanogaster* involved in the development of the embryonic central nervous system », *Cell*, vol. 55, 1988, p. 1047-1059.
- Ramos R. G. P., Grimwade B. G., Wharton K. A. et Artavanis-Tsakonas S., « Physical and Functional Definition of the *Drosophila melanogaster* Notch Locus by P-Element Transformation », *Genetics*, vol. 123, 1989, p. 337-348.
- Markopoulou K. et 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*, vol. 6, 1989, p. 11-26.
- Johansen K. M., Fehon R. G. et 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*, vol. 109, 1989, p. 2000-2015.
- Markopoulou K., Welshons W. J. et Artavanis-Tsakonas S., « Phenotypic and molecular analysis of the facets, a group of intronic mutations in the Notch locus », *Genetics*, vol. 122, 1989, p. 417-428.
- Xu T., Rebay I., Fleming R. J., Scottgale T. N. et Artavanis-Tsakonas S., « The Notch locus and the genetic circuitry involved in early *Drosophila melanogaster* neurogenesis », *Genes and Development*, vol. 4, 1990, p. 464-475.
- Fehon R. G., Kooh P., Rebay I., Regan C., Xu T., Muskavitch M. A. et Artavanis-Tsakonas S., « Molecular Interactions between the Protein Products of the Neurogenic Loci Notch and Delta, Two EGF-Homologous Genes in *Drosophila melanogaster* », *Cell*, vol. 61, 1990, p. 523-534.
- Artavanis-Tsakonas S., Delidakis C., Fehon R., Hartley D., Herndon V., Johansen K., Markopoulou K., Preiss A., Rebay I., Scottgale N. et Xu T., « Notch and the Molecular Genetics of Neuroblast Segregation in *Drosophila melanogaster* », « *Molecular Reproduction and Development* », vol. 27, 1990, p. 23-27.
- Xu T. et Artavanis-Tsakonas S., « *deltex*, a Locus Interacting with the Neurogenic Genes, Notch, Delta and mastermind in *Drosophila melanogaster* », *Genetics*, vol. 126, 1990, p. 655-677.
- Markopoulou K. et Artavanis-Tsakonas S., « Genetic and developmental analysis of the facet alleles in the Notch locus », *Journal of Experimental Zoology*, vol. 27, 1990, vol. 23-27.
- Fleming R. J., Scottgale T. N., Diederich R. J. et Artavanis-Tsakonas S., « The gene *Serrate* encodes a putative EGF-like transmembrane protein essential for proper ectodermal development in *Drosophila melanogaster* », *Genes and Development*, vol. 4, 1990, p. 2188-2201.
- Rothberg J., Jacobs J. R., Goodman C. S. et 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*, vol. 4, 1990, p. 2169-2187.
- Fehon R. G., Johansen K. M., Rebay I. et 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*, vol. 113, 1991, p. 657-669.
- Markopoulou K. et 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*, vol. 257, 1991, p. 314-329.

- Artavanis-Tsakonas S., Delidakis C. et Fehon R. G., « The Notch Locus and the Cell Biology of Neuroblast Segregation », *Annual Review of Cell Biology*, vol. 7, 1991, p. 427-452.
- Delidakis C., Preiss A., Hartley D. et 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*, vol. 129, 1991, p. 803-823.
- Artavanis-Tsakonas S. et Simpson P., « Choosing a cell fate: A view from the Notch locus », *Trends in Genetics*, vol. 7, 1991, p. 403-408.
- Rebay I., Fleming R. J., Fehon R. G., Cherbas L., Cherbas P. et Artavanis-Tsakonas S., « Specific EGF repeats of Notch mediate interactions with Delta and Serrate: Implications for Notch as a multifunctional receptor », *Cell*, 1991, vol. 67, p. 687-699.
- Xu T., Caron L. A., Fehon R. G. et Artavanis-Tsakonas S., « The Involvement of the Notch Locus in *Drosophila melanogaster* Oogenesis », *Development*, vol. 115, 1992, p. 913-922.
- Delidakis C. et Artavanis-Tsakonas S., « The Enhancer of split locus of *Drosophila melanogaster* harbors seven independent HLH proteins », *Proceedings National Academy of Science*, vol. 89, 1992, p. 8731-8735.
- Rothberg J. M. et 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*, vol. 227, 1992, p. 367-370.
- Stifani S., Blaumueller C., Redhead N. J., Hill R. E. et 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*, vol. 7, 1992, p. 119-126.
- Dawson I, Roth S., Akam M. E. et Artavanis-Tsakonas S., Rebay I., Caron L. A. et Artavanis-Tsakonas S., « An activated Notch receptor blocks cell-fate commitment in the developing *Drosophila melanogaster* eye », *Nature*, vol. 365, 1993, p. 555-557.
- Rebay I., Fortini M. E. et 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. Acad Sci III*, vol. 316, 1993, p. 1111-1123.
- Fortini M. et Artavanis-Tsakonas S., « Notch: Neurogenesis is only part of the picture », *Cell*, vol. 75, 1993, p. 1245-1247.
- Busseau I., Diederich R. J., Xu T., et Artavanis-Tsakonas S., « A member of the Notch group of interacting loci, *deltex* encodes a cytoplasmic basic protein », *Genetics*, vol. 136, 1994, p. 575-585.
- Frankel S., Heintzelman M., Artavanis-Tsakonas S. et Mooseker M., « Identification of a Divergent Actin Related Protein in *Drosophila melanogaster* », *Journal of Molecular Biology*, vol. 235, 1994, p. 1351-1356.
- Diederich R. J., Matsuno K., Hing H. et Artavanis-Tsakonas S., « *deltex* Implicated in Notch-mediated Signal Transduction: Evidence for Cytosolic Interaction with Notch *cdc10/SW16/ankyrin* repeats », *Development*, vol. 120, 1994, p. 473-481.
- Fehon R., Dawson I. et 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*, vol. 120, 1994, p. 545-557.
- 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. et Artavanis-Tsakonas S., « The Suppressor of Hairless protein participates in Notch receptor signaling », *Cell*, vol. 79, 1994, p. 273-282.
- Dawson I. Roth S. et 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*, vol. 129, 1995, p. 725-738.
- Matsuno K., Diederich R. J., Go M. J., Blaumueller C. M. et Artavanis-Tsakonas S., « The Involvement of Deltex in Notch Signaling », *Development*, vol. 121, 1995, p. 2633-2644.
- Zagouras P., Stifani S., Blaumueller C. M., Carcangiu M. L. et Artavanis-Tsakonas S., « Alterations in Notch signaling in Neoplastic Lesions of the Human Cervix », *Proceedings National Academy Science*, vol. 92, 1995, p. 6414-6418.
- Artavanis-Tsakonas S., Matsuno K., Fortini M. E., « Notch Signaling », *Science*, vol. 268, 1995, p. 173-336.
- 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*, vol. 53, 1995, p. 73-85.
- Liu Y., Dehni G., Purcell K., Sokolow J., Carcangiu M., Artavanis-Tsakonas S. et Stifani S., « Epithelial Expression and Chromosomal Location of Human TLE Genes: Implications for Notch Signaling and Neoplasia », *Genomics*, vol. 31, 1996, p. 58-64.
- Axelrod J., Matsuno K., Artavanis-Tsakonas S. et Perrimon N., « Interaction Between Wingless and Notch Signaling Pathways Mediated by Dishevelled », *Science*, vol. 271, 1996, p. 1826-1832.
- Sun X. et Artavanis-Tsakonas S., « The intracellular deletions of DELTA and SERRATE define dominant negative forms of the *Drosophila melanogaster* Notch ligands », *Development*, vol. 122, 1996, p. 2465-2474.
- Verheyen E. M., Purcell K. J., Fortini M. E. et Artavanis-Tsakonas S., « Analysis of dominant enhancers and suppressors of activated Notch in *Drosophila melanogaster* », *Genetics*, vol. 144, 1996, p. 1127-1141.
- Blaumueller C. et Artavanis-Tsakonas S., « Comparative Aspects of Notch Signaling in Lower and Higher Eukaryotes », *Perspectives on Developmental Neurobiology*, vol. 4, 1997, p. 325-343.
- Artavanis-Tsakonas S., « Human Alagille Syndrome- a notch up for the Notch Receptor », *Nature Genetics*, vol. 16, 1997, p. 212-213
- Sun X. et Artavanis-Tsakonas S., « Secreted forms of DELTA and SERRATE define antagonists of Notch Signaling in *Drosophila melanogaster* », *Development*, vol. 124, 1997, p. 3439-3448
- Blaumueller C., Qi H., Zagouras P., et Artavanis-Tsakonas S., « Intracellular Cleavage of Notch Leads to a Heterodimeric Receptor on the Plasma Membrane », *Cell*, vol. 90, 1997, p. 1-20.
- Frankel S. Sigel E. A, Craig C., Elgin S. C. R., Mooseker M. S. et Artavanis Tsakonas S., « An actin-related protein in *Drosophila melanogaster* colocalizes with heterochromatin protein 1 in pericentric heterochromatin », *J. Cell Science*, vol. 110, 1997, p. 1999-2012.
- Capobianco A., Zagouras P., Blaumueller C., Artavanis-Tsakonas S. et Bishop J. M., « Neoplastic Transformation by Truncated Alleles of Human Notch1/Tan1 and Notch2 », *Molecular and Cellular Biology*, vol. 17, 1997, p. 6265-6273.

- Matsuno K., Go M., Sun X. et Artavanis-Tsakonas S., « Suppressor of Hairless-independent events in Notch signaling imply novel pathway elements », *Development*, vol. 124, 1997, p. 4265-427.
- Fleming R. J., Purcell K. et Artavanis Tsakonas S., « The Notch Receptor and its Ligands », *Trends Cell Biology*, vol. 7, 1997, p. 437-441.
- Matsuno K., Eastman D., Quinn A. M., Ordentlich P., Kadesch T. et Artavanis-Tsakonas S., « Human Deltex: a conserved regulator of Notch Signaling », *Nature Genetics*, vol. 19, 1998, p. 74-78.
- Ordentlich P., Lin A., Shen C. P., Blaumueller C., Matsuno K., Artavanis-Tsakonas S. et Kadesch, « T. Notch Inhibition of E47 Supports the Existence of a Novel Signaling Pathway », *Molecular and Cellular Biology*, vol. 18, 1998, p. 2230-2239.
- Go M., Eastman D. et Artavanis-Tsakonas S., « Cell proliferation control by Notch signaling in Drosophila development », *Development*, vol. 125, 1998, p. 2031-2040.
- 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. et Bernstein I., « The Notch ligand, Jagged-1, influences the development of primitive hematopoietic precursor cells », *Blood*, vol. 91, 1998, p. 4084-4091.
- Go M. et Artavanis-Tsakonas S., « A genetic screen for novel components of the Notch signaling pathway during Drosophila melanogaster bristle development », *Genetics*, vol. 150, 1998, p. 211-220.
- Qi H., Rand M., Wu X., Wang W., Xu T. et Artavanis-Tsakonas, « The Notch ligand Delta is Processed by the Metalloprotease-Disintegrin Kuzbanian », *Science*, vol. 283, 1998, p. 91-94.
- Fostier M., Evans D., Artavanis-Tsakonas S. et Baron M., « Genetic Characterization of the Drosophila melanogaster Suppressor of deltex Gene: A regulator of Notch Signaling », *Genetics*, vol. 150, 1998, p. 1477-85.
- Hing H. K., Bangalore L., Sun X. et Artavanis-Tsakonas S., « Mutations in the heatshock cognate 70 protein (hsc4) modulate Notch signaling », *Eur. J. Cell. Biol.*, vol. 78, n° 10, 1999, p. 690-697.
- Sestan N., Artavanis-Tsakonas S. et Rakic P., « Contact-dependent inhibition of cortical neurite growth mediated by Notch signaling », *Science*, vol. 286, n° 5440, 1999, p. 741-6.
- Purcell K. et Artavanis-Tsakonas S., « The developmental role of warthog, the notch modifier encoding Drab6 », *J. Cell. Biol.*, vol. 146, n° 4, 1999, p. 731-40.
- Cornell M., Evans D. A., Mann R., Fostier M., Flasz M., Monthatong M., Artavanis-Tsakonas S. et Baron M., « The Drosophila melanogaster Suppressor of deltex gene, a regulator of the Notch receptor signaling pathway, is an E3 class ubiquitin ligase », *Genetics*, vol. 152, 1999, p. 567-76.
- Artavanis-Tsakonas S., Rand M. D. et Lake R. J., « Notch signaling: cell fate control and signal integration in development », *Science*, vol. 284, n° 5415, 1999, p. 770-776.
- Gray G. E., Mann R. S., Mitsiadis E., Henrique D., Carcangiu M. L., Banks A., Leiman J., Ward D., Ish-Horowitz D. et Artavanis-Tsakonas S., « Human ligands of the Notch receptor », *Am. J. Pathol.*, vol. 154, n° 3, 1999, p. 785-94.
- Qi H., Rand M. D., Wu X., Sestan N., Wang W., Rakic P., Xu T., Artavanis-Tsakonas S., « Processing of the notch ligand delta by the metalloprotease Kuzbanian », *Science*, vol. 283, n° 5398, 1999, p. 91-4.
- Sestan N., Artavanis-Tsakonas S. et Rakic P., « Contact-dependent inhibition of cortical neurite growth mediated by Notch signaling », *Science*, vol. 286, 1999, p. 741-6.

- Cornell M., Evans D. A., Mann R., Fostier M., Flaszka M., Monthatong M., Artavanis-Tsakonas S. et Baron M., « The *Drosophila melanogaster* Suppressor of *deltex* gene, a regulator of the Notch receptor signaling pathway, is an E3 class ubiquitin ligase », *Genetics*, vol. 152, 1999, p. 567-76.
- Kurata S., Go M., Artavanis-Tsakonas S. et Gehring W., « Notch signaling and the determination of appendage identity », *Proc. Natl. Acad. Sci.*, 2000.
- Wu L., Aster J. C., Blacklow S. C., Lake R., Artavanis-Tsakonas S., Griffin J. D., « MAML1, a human homologue of *Drosophila* mastermind, is a transcriptional co-activator for NOTCH receptors », *Nat Genet.*, vol. 26, n° 4, 2000, p. 484-9
- Kurata S., Go M. J., Artavanis-Tsakonas S., Gehring W. J. Notch signaling and the determination of appendage identity », *Proc. Natl. Acad. Sci. USA*, vol. 97, n° 5, 2000 p. 2117-22.
- Rand M. D., Grimm L. M., Artavanis-Tsakonas S., Patriub V., Blacklow S. C. et Sklar J., « Aster Calcium depletion dissociates and activates heterodimeric notch receptors », *Mol. Cell. Biol.*, vol. 20, n° 5, 2000, p. 1825-35
- 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.*, vol. 19, n° 1, 2001, p. 21-35.
- 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.
- 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.
- 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.
- 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.
- 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.
- Artavanis-Tsakonas S., « Accessing the Exelixis collection », *Nat Genet.*, vol. 36, n° 3, 2004, p. 207.
- 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.
- 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.
- 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.

- 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.
- Louvi A. et Artavanis-Tsakonas S., « Notch signalling in neural development », *Nature Rev Neurosci*, n° 2, 2006, p. 93-102.
- 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., Arboleda-Velasquez J. et Artavanis-Tsakonas S., « CADASIL: a critical look at a Notch disease », *Dev Neurosci*, n° 8, 2006, p. 5-12.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.