

## 6 REFERENCES

- Ahringer J., Fraser, A. G., Kamath, R. S., Zipperlen, P., Martinez-Campos, M., Sohrmann, M., (2000). Functional genomic analysis of *C. elegans* chromosome I by systematic RNA interference, *Nature* 408, 325-30.
- Albert, P. S., and Riddle, D. L. (1983). Developmental Alterations in Sensory Neuroanatomy of the *Caenorhabditis elegans* Dauer Larva, *Journal of Comparative Neurology* 219, 461-481.
- Albert, P. S., and Riddle, D. L. (1988). Mutants of *Caenorhabditis elegans* That Form Dauer-Like Larvae, *Developmental Biology* 126, 270-293.
- Alessi, D. R., James, S. R., Downes, C. P., Holmes, A. B., Gaffney, P. R. J., Reese, C. B., and Cohen, P. (1997). Characterization of a 3-phosphoinositide-dependent protein kinase which phosphorylates and activates protein kinase B alpha, *Current Biology* 7, 261-269.
- Altschul, S. F., Madden, T. L., Schaffer, A. A., Zhang, J. H., Zhang, Z., Miller, W., and Lipman, D. J. (1997). Gapped BLAST and PSI-BLAST: a new generation of protein database search programs, *Nucleic Acids Research* 25, 3389-3402.
- Ambros V., Horvitz, H. R., (1984). Heterochronic mutants of the nematode *Caenorhabditis elegans*, *Science* 226, 409-16.
- Ambros V., (1997) Heterochronic Genes. In *C. elegans* II (ed. D. Riddle, B. Meyer, J. Priess and T. Blumenthal). Cold Spring Harbor: Cold Spring Harbor Press.
- Antebi, A., Culotti, J. G., and Hedgecock, E. M. (1998). *daf-12* regulates developmental age and the dauer alternative in *Caenorhabditis elegans*, *Development* 125, 1191-1205.
- Antebi, A., Yeh, W. H., Tait, D., Hedgecock, E. M., and Riddle, D. L. (2000). *daf-12* encodes a nuclear receptor that regulates the dauer diapause and developmental age in *C. elegans*, *Genes & Development* 14, 1512-1527.
- Arany, Z., Sellers, W. R., Livingston, D. M., and Eckner, R. (1994). E1a-Associated P300 and Creb-Associated Cbp Belong to a Conserved Family of Coactivators, *Cell* 77, 799-800.
- Attisano, L., Wrana, J. L., Carcamo, J., Zentella, A., Doody, J., Laiho, M., Wang, X.F., Massague, J.(1992) TGF beta signals through a heteromeric protein kinase receptor complex. *Cell* 71, 1003-14.
- Auboeuf, D., Honig, A., Berget, S. M., O'Malley, B. W.(2002). Coordinate regulation of transcription and splicing by steroid receptor coregulators. *Science* 298, 416-9.
- Baker, A. R., McDonnell, D. P., Hughes, M., Crisp, T. M., Mangelsdorf, D. J., Haussler, M. R., Pike, J. W., Shine, J., and Omalley, B. W. (1988). Cloning and Expression of Full-Length CDNA-Encoding Human Vitamin-D Receptor, *Proceedings of the National Academy of Sciences of the United States of America* 85, 3294-3298.

- Bardot, O., Aldridge, T. C., Latruffe, N., and Green, S. (1993). Ppar-Rxr Heterodimer Activates a Peroxisome Proliferator Response Element Upstream of the Bifunctional Enzyme Gene, *Biochemical and Biophysical Research Communications* 192, 37-45.
- Bargmann, C. I., Thomas, J. H., and Horvitz, H. R. (1990). Chemosensory Cell-Function in the Behavior and Development of *Caenorhabditis elegans*, *Cold Spring Harbor Symposia on Quantitative Biology*, 55, 529-538.
- Barstead, R. (2001). Genome-wide RNAi, *Current Opinion in Chemical Biology* 5, 63-66.
- Batchelor, A. H., Piper, D. E., de la Brousse, F. C., McKnight, S. L., and Wolberger, C. (1998). The structure of GABP alpha/beta: An ETS domain ankyrin repeat heterodimer bound to DNA, *Science* 279, 1037-1041.
- Bateman, A., Birney, E., Durbin, R., Eddy, S. R., Finn, R. D., and Sonnhammer, E. L. L. (1999). Pfam 3.1: 1313 multiple alignments and profile HMMs match the majority of proteins, *Nucleic Acids Research* 27, 260-262.
- Becker, P. B., Gloss, B., Schmid, W., Strahle, U., Schutz, G., (1986). In vivo protein-DNA interactions in a glucocorticoid response element require the presence of the hormone, *Nature* 324, 686-688.
- Belfiore, M., Mathies, L. D., Pugnale, P., Moulder, G., Barstead, R., Kimble, J., and Puoti, A. (2002). The MEP-1 zinc-finger protein acts with MOG DEAH box proteins to control gene expression via the fem-3 3' untranslated region in *Caenorhabditis elegans*, *Rna-a Publication of the Rna Society* 8, 725-739.
- Bernstein, E., Caudy, A. A., Hammond, S. M., and Hannon, G. J. (2001). Role for a bidentate ribonuclease in the initiation step of RNA interference, *Nature* 409, 363-366.
- Bertilsson, G., Heidrich, J., Svensson, K., Asman, M., Jendeberg, L., Sydow-Backman, M., Ohlsson, R., Postlind, H., Blomquist, P., and Berkenstam, A. (1998). Identification of a human nuclear receptor defines a new signaling pathway for CYP3A induction, *Proceedings of the National Academy of Sciences of the United States of America* 95, 12208-12213.
- Bettinger, J. C., Lee, K., and Rougvie, A. E. (1996). Stage-specific accumulation of the terminal differentiation factor LIN-29 during *Caenorhabditis elegans* development, *Development* 122, 2517-2527.
- Birnby, D. A., Link, E. M., Vowels, J. J., Tian, H., Colacurcio, P. L., and Thomas, J. H. (2000). A transmembrane guanylyl cyclase (DAF-11) and Hsp90 (DAF-21) regulate a common set of chemosensory behaviors in *Caenorhabditis elegans*, *Genetics* 155, 85-104.
- Blanco, J. C. G., Minucci, S., Lu, J. M., Yang, X. J., Walker, K. K., Chen, H. W., Evans, R. M., Nakatani, Y., and Ozato, K. (1998). The histone acetylase PCAF is a nuclear receptor coactivator, *Genes & Development* 12, 1638-1651.
- C. elegans* Sequencing Consortium (1998). Genome Sequence of the Nematode *C. elegans*: A Platform for Investigating Biology, *Science* 282;2012-2018

- Casey, D. (1999). International team delivers *C. elegans* sequence, *Human Genome News* 10, 8-8.
- Cassada, R. C., and Russell, R. L. (1975). Dauerlarva, a Post-Embryonic Developmental Variant of Nematode *Caenorhabditis elegans*, *Developmental Biology* 46, 326-342.
- Chen, F. L., and Rebay, I. (2000). split ends, a new component of the Drosophila EGF receptor pathway, regulates development of midline glial cells, *Current Biology* 10, 943-946.
- Chen, J. D., and Evans, R. M. (1995). A Transcriptional Co-Repressor That Interacts with Nuclear Hormone Receptors, *Nature* 377, 454-457.
- Chen, X., Rubock, M. J., and Whitman, M. (1996). A transcriptional partner for MAD proteins in TGF-beta signalling, *Nature* 383, 691-696.
- Chen, X., Weisberg, E., Fridmacher, V., Watanabe, M., Naco, G., and Whitman, M. (1997). Smad4 and FAST-1 in the assembly of activin-responsive factor, *Nature* 389, 85-89.
- Chervitz, S. A., Aravind, L., Sherlock, G., Ball, C. A., Koonin, E. V., Dwight, S. S., Harris, M. A., Dolinski, K., Mohr, S., Smith, T., *et al.* (1998). Comparison of the complete protein sets of worm and yeast: Orthology and divergence, *Science* 282, 2022-2028.
- Clark, S. G., Lu, X., Horvitz, H. R., (1994). The *Caenorhabditis elegans* locus *lin-15*, a negative regulator of a tyrosine kinase signaling pathway, encodes two different proteins. *Genetics*, 137(4):987-97.
- Coburn, C. M., Mori, I., Ohshima, Y., and Bargmann, C. I. (1998). A cyclic nucleotide-gated channel inhibits sensory axon outgrowth in larval and adult *Caenorhabditis elegans*: a distinct pathway for maintenance of sensory axon structure, *Development* 125, 249-258.
- Cohen, R. N., Brzostek, S., Kim, B., Chorev, M., Wondisford, F. E., and Hollenberg, A. N. (2001). The specificity of interactions between nuclear hormone receptors and corepressors is mediated by distinct amino acid sequences within the interacting domains, *Molecular Endocrinology* 15, 1049-1061.
- Cohen, R. N., Wondisford, F. E., and Hollenberg, A. N. (1998). Two separate NCoR (nuclear receptor corepressor) interaction domains mediate corepressor action on thyroid hormone response elements, *Molecular Endocrinology* 12, 1567-1581.
- Collesi, C., Santoro, M. M., Gaudino, G., and Comoglio, P. M. (1996). A splicing variant of the RON transcript induces constitutive tyrosine kinase activity and an invasive phenotype, *Molecular and Cellular Biology* 16, 5518-5526.
- Dasgupta, S., Fernandez, L., Kameyama, L., Inada, T., Nakamura, Y., Pappas, A., and Court, D. L. (1998). Genetic uncoupling of the dsRNA-binding and RNA cleavage activities of the *Escherichia coli* endoribonuclease RNase III - the effect of dsRNA binding on gene expression (vol 28, pg 629, 1998), *Molecular Microbiology* 30, 679-679.
- de Caestecker, M. P., Piek, E., and Roberts, A. B. (2000). Role of transforming growth factor-beta signaling in cancer, *Journal of the National Cancer Institute* 92, 1388-1402.

- Dennler, S., Goumans, M. J., and ten Dijke, P. (2002). Transforming growth factor beta signal transduction, *Journal of Leukocyte Biology* 71, 731-740.
- Doniger, J., Landsman, D., Gonda, M. A., and Wistow, G. (1992). The Product of UNR, the Highly Conserved Gene Upstream of N- Ras, Contains Multiple Repeats Similar to the Cold-Shock Domain (Csd), a Putative DNA-Binding Motif, *New Biologist* 4, 389-395.
- Dorman, J. B., Albinder, B., Shroyer, T., and Kenyon, C. (1995). The Age-1 and Daf-2 Genes Function in a Common Pathway to Control the Life-Span of *Caenorhabditis elegans*, *Genetics* 141, 1399-1406.
- Elbashir, S. M., Lendeckel, W., and Tuschl, T. (2001). RNA interference is mediated by 21- and 22-nucleotide RNAs, *Genes & Development* 15, 188-200.
- Enmark, E., Gustafsson, J. A., (2000). Nematode genome sequence dramatically extends the nuclear receptor superfamily. *Trends Pharmacol. Sci.*, 21(3), 85-87. Review.
- Epstein, H. F., Shaper, D. C., (1995). *Caenorhabditis elegans*. *Modern Biological Analysis of an Organism*, (ed. Wilson, L., Mastudaira, P.) Academic Press, Volume 48.
- Estevez, M., Attisano, L., Wrana, J. L., Albert, P. S., Massague, J., and Riddle, D. L. (1993). The Daf-4 Gene Encodes a Bone Morphogenetic Protein-Receptor Controlling *C. elegans* Dauer Larva Development, *Nature* 365, 644-649.
- Evans, R. M., and Hollenberg, S. M. (1988). Zinc Fingers - Gilt by Association, *Cell* 52, 1-3.
- Feinbaum R., Ambros V., (1999). The timing of lin-4 RNA accumulation controls the timing of postembryonic developmental events in *Caenorhabditis elegans*. *Dev Biol.*, 210(1), 87-95.
- Fields, S., and Song, O. K. (1989). A Novel Genetic System to Detect Protein Protein Interactions, *Dev. Biol.*, 210(1), 87-95, *Nature* 340, 245-246.
- Finch, C. E., and Ruvkun, G. (2001). The genetics of aging, *Annual Review of Genomics and Human Genetics* 2, 435-462
- Fire, A., Kondo, K., Waterston, R. (1990). Vectors for low copy transformation of *C. elegans*. *Nucleic Acids Res.* 18 (14):4269-70.
- Fire, A. (1999). RNA-triggered gene silencing, *Trends in Genetics* 15, 358-363.
- Fire, A., Xu, S. Q., Montgomery, M. K., Kostas, S. A., Driver, S. E., and Mello, C. C. (1998). Potent and specific genetic interference by double-stranded RNA in *Caenorhabditis elegans*, *Nature* 391, 806-811.
- Fisk, G. J., and Thummel, C. S. (1995). Isolation, Regulation, and DNA-Binding Properties of 3 *Drosophila* Nuclear Hormone-Receptor Superfamily Members, *Proceedings of the National Academy of Sciences of the United States of America* 92, 10604-10608.

- Francis, S. H., Lincoln, T. M., and Corbin, J. D. (1980). Characterization of a Novel Cgmp Binding-Protein from Rat Lung, *Journal of Biological Chemistry* *255*, 620-626.
- Fukuda, A., Osawa, T., Oda, H., Tanaka, T., Toyokuni, S., Uchida, K. (1996). Oxidative stress response in iron-induced acute nephrotoxicity: enhanced expression of heat shock protein 90. *Biochem Biophys Res Commun*, *219*(1):76-81.
- Gems, D., and Partridge, L. (2001). Insulin/IGF signalling and ageing: seeing the bigger picture, *Current Opinion in Genetics & Development* *11*, 287-292.
- Gems, D., Sutton, A. J., Sundermeyer, M. L., Albert, P. S., King, K. V., Edgley, M. L., Larsen, P. L., and Riddle, D. L. (1998). Two pleiotropic classes of daf-2 mutation affect larval arrest, adult behavior, reproduction and longevity in *Caenorhabditis elegans*, *Genetics* *150*, 129-155.
- Georgi, L. L., Albert, P. S., and Riddle, D. L. (1990). Daf-1, a *C. elegans* Gene Controlling Dauer Larva Development, Encodes a Novel Receptor Protein-Kinase, *Cell* *61*, 635-645.
- Gerisch, B., Weitzel, C., Kober-Eisermann, C., Rottiers, V., and Antebi, A. (2001). A hormonal signaling pathway influencing *C. elegans* metabolism, reproductive development, and life span, *Developmental Cell* *1*, 841-851.
- Glass, C. K., and Rosenfeld, M. G. (2000). The coregulator exchange in transcriptional functions of nuclear receptors, *Genes & Development* *14*, 121-141.
- Golden, J. W., and Riddle, D. L. (1984). The *Caenorhabditis elegans* Dauer Larva - Developmental Effects of Pheromone, Food, and Temperature, *Developmental Biology* *102*, 368-378.
- Gonczy, P., Echeverri, C., Oegema, K., Coulson, A., Jones, S. J. M., Copley, R. R., Duperon, J., Oegema, J., Brehm, M., Cassin, E., *et al.* (2000). Functional genomic analysis of cell division in *C. elegans* using RNAi of genes on chromosome III, *Nature* *408*, 331-336.
- Gonczy, P., Grill, S., Stelzer, E. H. K., Kirkham, M., and Hyman, A. A. (2001). Spindle positioning during the asymmetric first cell division of *Caenorhabditis elegans* embryos, *Cell Cycle and Development* *237*, 164-181.
- Gorina, S., and Pavletich, N. P. (1996). Structure of the p53 tumor suppressor bound to the ankyrin and SH3 domains of 53BP2, *Science* *274*, 1001-1005.
- Gottlieb, S., and Ruvkun, G. (1994). Daf-2, Daf-16 and Daf-23 - Genetically Interacting Genes- Controlling Dauer Formation in *Caenorhabditis elegans*, *Genetics* *137*, 107-120.
- Goubeaud, A., Knirr, S., RenkawitzPohl, R., and Paululat, A. (1996). The Drosophila gene alien is expressed in the muscle attachment sites during embryogenesis and encodes a protein highly conserved between plants, Drosophila and vertebrates, *Mechanisms of Development* *57*, 59-68.
- Graham, P. L., and Kimble, J. (1993). The Mog-1 Gene Is Required for the Switch from Spermatogenesis to Oogenesis in *Caenorhabditis elegans*, *Genetics* *133*, 919-931.

- Grishok, A., Pasquinelli, A. E., Conte, D., Li, N., Parrish, S., Ha, I., Baillie, D. L., Fire, A., Ruvkun, G., and Mello, C. C. (2001). Genes and mechanisms related to RNA interference regulate expression of the small temporal RNAs that control *C. elegans* developmental timing, *Cell* 106, 23-34.
- Guenther, M. G., Lane, W. S., Fischle, W., Verdin, E., Lazar, M. A., and Shiekhataar, R. (2000). A core SMRT corepressor complex containing HDAC3 and TBL1, a WD40-repeat protein linked to deafness, *Genes & Development* 14, 1048-1057.
- Guthrie, C. and Fink, G.R. (1991). *Guide to Yeast Genetics and Molecular Biology*, (ed. S. P. Colowick, N. O. Kaplan). Academic Press, San Diego.
- Guy, H. R., Durell, S.R., Warmke, J., Drysdale, R., Ganetzky, B. (1991). Similarities in amino acid sequences of *Drosophila* eag and cyclic nucleotide-gated channels, *Science* 254,730.
- Hamilton, A. J., and Baulcombe, D. C. (1999). A species of small antisense RNA in posttranscriptional gene silencing in plants, *Science* 286, 950-952.
- Hammond, S. M., Boettcher, S., Caudy, A. A., Kobayashi, R., and Hannon, G. J. (2001). Argonaute2, a link between genetic and biochemical analyses of RNAi, *Science* 293, 1146-1150.
- Hanahan, D. (1983) Studies on transformation of *Escherichia coli* with plasmids. *J Mol Biol.*, 166(4):557-80.
- Hardwick, C., Feist, R., Morris, R., White, M., Witherspoon, D., Angus, R., and Guidry, C. (1997). Tractional force generation by porcine Muller cells - Stimulation by growth factors in human vitreous, *Investigative Ophthalmology & Visual Science* 38, 2053-2063.
- Haussler, M. R., Haussler, C. A., Jurutka, P. W., Thompson, P. D., Hsieh, J. C., Remus, L. S., Selznick, S. H., Whitfield, G. K. (1997). The vitamin D hormone and its nuclear receptor: molecular actions and disease states, *J Endocrinol*, 154 Suppl:S57-73. Review.
- Hedgecock, E. M., Russell, R. L. (1975). Normal and mutant thermotaxis in the nematode *Caenorhabditis elegans*. *Proceedings of the National Academy of Sciences of the United States of America* 72(10),4061-4065.
- Heery, D. M., Kalkhoven, E., Hoare, S., and Parker, M. G. (1997). A signature motif in transcriptional co-activators mediates binding to nuclear receptor, *Nature* 387, 733-736.
- Heinzel, T., Lavinsky, R. M., Mullen, T. M., Soderstrom, M., Laherty, C. D., Torchia, J., Yang, W. M., Brard, G., Ngo, S. D., Davie, J. R., *et al.* (1997). A complex containing N-CoR, mSin3 and histone deacetylase mediates transcriptional repression, *Nature* 387, 43-48.
- Henderson, S. T., and Johnson, T. E. (2001). daf-16 integrates developmental and environmental inputs to mediate aging in the nematode *Caenorhabditis elegans*, *Current Biology* 11, 1975-1980.
- Hodgkin, J., Horvitz, H. R., Jasny, B. R., and Kimble, J. (1998). *C. elegans*: Sequence to biology, *Science* 282, 2011-2011.

- Hogan, B. L. M. (1996). Bone morphogenetic proteins: Multifunctional regulators of vertebrate development, *Genes & Development* *10*, 1580-1594.
- Honda, Y., and Honda, S. (1999). The daf-2 gene network for longevity regulates oxidative stress resistance and Mn-superoxide dismutase gene expression in *Caenorhabditis elegans*, *Faseb Journal* *13*, 1385-1393.
- Honda, Y., and Honda, S. (2002). Oxidative stress and life span determination in the nematode *Caenorhabditis elegans*, *Increasing Healthy Life Span: Conventional Measures and Slowing the Innate Aging Process* *959*, 466-474.
- Horton und Mulland, '97, nachgucken
- Honig, A., Auboeuf, D., Parker, M. M., O'Malley, B. W., Berget, S. M. (2002). Regulation of alternative splicing by the ATP-dependent DEAD-box RNA helicase p72. *Mol Cell Biol*, *22*(16):5698-707.
- Horton, P., Nakai, K. (1996). A probabilistic classification system for predicting the cellular localization sites of proteins. *Proc Int Conf Intell Syst Mol Biol.*, *4*:109-15.
- Horke, S., Reumann, K., Rang, A., Heise, T. (2002). Molecular characterization of the human La protein.hepatitis B virus RNA.B interaction in vitro, *J Biol Chem.*, *277*(38):34949-58.
- Horvitz, H. R., Sternberg, P. W., Greenwald, I. S., Fixsen, W., Ellis, H. M. (1983). Mutations that affect neural cell lineages and cell fates during the development of the nematode *Caenorhabditis elegans*. *Cold Spring Harb Symp Quant Biol* *1983*;48 Pt 2:453-63  
nachgucken
- Hu, X., and Lazar, M. A. (1999). The CoRNR motif controls the recruitment of corepressors by nuclear hormone receptors, *Nature* *402*, 93-96.
- Hu, X., Li, Y., and Lazar, M. A. (2001). Determinants of CoRNR-dependent repression complex assembly on nuclear hormone receptors, *Molecular and Cellular Biology* *21*, 1747-1758.
- Huang, E. Y., Zhang, J. S., Miska, E. A., Guenther, M. G., Kouzarides, T., and Lazar, M. A. (2000). Nuclear receptor corepressors partner with class II histone deacetylases in a Sin3-independent repression pathway, *Genes & Development* *14*, 45-54.
- Hutvagner, G., and Zamore, P. D. (2002). RNAi: nature abhors a double-strand, *Current Opinion in Genetics & Development* *12*, 225-232.
- International Human Genome Sequencing Consortium (2001). Initial sequencing and analysis of the human genome *Nature* *409*, 860 - 921.
- Inoue, T., and Thomas, J. H. (2000). Targets of TGF-beta signaling in *Caenorhabditis elegans* dauer formation, *Developmental Biology* *217*, 192-204.
- Ito, H., Fukuda, Y., Murata, K., and Kimura, A. (1983). Transformation of Intact Yeast-Cells Treated with Alkali Cations, *Journal of Bacteriology* *153*, 163-168.

- Jarriault, S., Greenwald, I. (2002). Suppressors of the egg-laying defective phenotype of sel-12 presenilin mutants implicate the CoREST corepressor complex in LIN-12/Notch signaling in *C. elegans*, *Genes Dev.*, *16*(20), 2713-2728.
- Jeon, M., Gardner, H. F., Miller, E. A., Deshler, J., and Rougvie, A. E. (1999). Similarity of the *C. elegans* developmental timing protein LIN-42 to circadian rhythm proteins, *Science* *286*, 1141-1146.
- Kahn, C. R. (1994). Insulin Action, Diabetogenes, and the Cause of Type-II Diabetes, *Diabetes* *43*, 1066-1084.
- Kahn, C. R., White, M. F., Shoelson, S. E., Backer, J. M., Araki, E., Cheatham, B., Csermely, P., Folli, F., Goldstein, B. J., Huertas, P., *et al.* (1993). The Insulin-Receptor and Its Substrate - Molecular Determinants of Early Events in Insulin Action, *Recent Progress in Hormone Research*, Vol 48 *48*, 291-339.
- Kao, H. Y., Downes, M., Ordentlich, P., and Evans, R. M. (2000). Isolation of a novel histone deacetylase reveals that class I and class II deacetylases promote SMRT-mediated repression, *Genes & Development* *14*, 55-66.
- Kenyon, C. (2001). A conserved regulatory system for aging, *Cell* *105*, 165-168.
- Kenyon, C., Chang, J., Gensch, E., Rudner, A., and Tabtiang, R. (1993). A *C. elegans* Mutant That Lives Twice as Long as Wild-Type, *Nature* *366*, 461-464.
- Kenyon, C., Cowing, D., and Hunter, C. (1995). How Has Evolution Allowed Conserved Regulatory Genes to Function in Different Developmental Settings to Produce Different Types of Animals, *Molecular Biology of the Cell* *6*, 4-4.
- Kim, J., Johnson, K., Chen, H. J., Carroll, S., and Laughon, A. (1997). Drosophila MAD binds to DNA and directly mediates activation of vestigial by decapentaplegic, *Nature* *388*, 304-308.
- Kimble, J., Hodgkin, J., Smith, T., and Smith, J. (1982). Suppression of an Amber Mutation by Micro-Injection of Suppressor Transfer-RNA in *C. elegans*, *Nature* *299*, 456-458.
- Kimura, K. D., Tissenbaum, H. A., Liu, Y. X., and Ruvkun, G. (1997). daf-2, an insulin receptor-like gene that regulates longevity and diapause in *Caenorhabditis elegans*, *Science* *277*, 942-946.
- Kingsley, D. M. (1994). The Tgf-Beta Superfamily - New Members, New Receptors, and New Genetic Tests of Function in Different Organisms, *Genes & Development* *8*, 133-146.
- Klass, M., and Hirsh, D. (1976). Non-Aging Developmental Variant of *Caenorhabditis elegans*, *Nature* *260*, 523-525.
- Kliwer, S. A., Moore, J. T., Wade, L., Staudinger, J. L., Watson, M. A., Jones, S. A., McKee, D. D., Oliver, B. B., Willson, T. M., Zetterstrom, R. H., *et al.* (1998). An orphan nuclear receptor activated by pregnanes defines a novel steroid signaling pathway, *Cell* *92*, 73-82.



- Kliwer, S. A., Umesono, K., Mangelsdorf, D. J., and Evans, R. M. (1992). Retinoid X-Receptor Interacts with Nuclear Receptors in Retinoic Acid, Thyroid-Hormone and Vitamin-D3 Signaling, *Nature* 355, 446-449.
- Knight, S. W., and Bass, B. L. (2001). A role for the RNase III enzyme DCR-1 in RNA interference and germ line development in *Caenorhabditis elegans*, *Science* 293, 2269-2271.
- Kozak, M., (1995). Adherence to the first-AUG rule when a second AUG codon follows closely upon the first, *Proc Natl Acad Sci U S A*, 92(7):2662-6.
- Kuang, B., Wu, S. C. Y., Shin, Y. A., Luo, L. Q., and Kolodziej, P. (2000). Split ends encodes large nuclear proteins that regulate neuronal cell fate and axon extension in the *Drosophila* embryo, *Development* 127, 1517-1529.
- Kurokawa, R., Soderstrom, M., Horlein, A., Halachmi, S., Brown, M., Rosenfeld, M. G., and Glass, C. K. (1995). Polarity-Specific Activities of Retinoic Acid Receptors Determined by a Co-Repressor, *Nature* 377, 451-454.
- Krause M. (1995). Transcription and translation. *Methods Cell Biol.*, 48:483-512. Review.
- Lala, D. S., Mukherjee, R., Schulman, I. G., Koch, S. S. C., Dardashti, L. J., Nadzan, A. M., Croston, G. E., Evans, R. M., and Heyman, R. A. (1996). Activation of specific RXR heterodimers by an antagonist of RXR homodimers, *Nature* 383, 450-453.
- Larsen, P. L. (1993a). Aging and Resistance to Oxidative Damage in *Caenorhabditis-Elegans*, *Proceedings of the National Academy of Sciences of the United States of America* 90, 8905-8909.
- Larsen, P. L. (1993b). Increased Life-Span Exhibited by 2 New Mutations in *C. elegans*, *Journal of Cellular Biochemistry*, 160-160.
- Larsen, P. L., Albert, P. S., and Riddle, D. L. (1995). Genes That Regulate Both Development and Longevity in *Caenorhabditis elegans*, *Genetics* 139, 1567-1583.
- Laudet, V., Gronemeyer, H. (2002). *The nuclear receptor Facts Book*, Academic Press, San Diego.
- Lee, R. C., Feinbaum, R. L., and Ambros, V. (1993). The *C. elegans* Heterochronic Gene Lin-4 Encodes Small RNA's with Antisense Complementarity to Lin-14, *Cell* 75, 843-854.
- Lee, R. Y. N., Hench, J., and Ruvkun, G. (2001). Regulation of *C. elegans* DAF-16 and its human ortholog FKHL1 by the daf-2 insulin-like signaling pathway, *Current Biology* 11, 1950-1957.
- Leid, M., Kastner, P., Lyons, R., Nakshatri, H., Saunders, M., Zacharewski, T., Chen, J. Y., Staub, A., Garnier, J. M., Mader, S., and Chambon, P. (1992). Purification, Cloning, and Rxr Identity of the Hela-Cell Factor with Which Rar or Tr Heterodimerizes to Bind Target Sequences Efficiently, *Cell* 68, 377-395.

- Li, J., Yen, C., Liaw, D., Podsypanina, K., Bose, S., Wang, S. I., Puc, J., Miliaresis, C., Rodgers, L., McCombie, R., *et al.* (1997). PTEN, a putative protein tyrosine phosphatase gene mutated in human brain, breast, and prostate cancer, *Science* 275, 1943-1947.
- Li, J., Ailion, M., Thomas, J. H., (2000). A Model of Human Niemann- Pick type C disease in *C. elegans*, 13th International *C. elegans* Meeting, University of California, Los Angeles, Abstract Book; p 344-344.
- Lin, K., Dorman, J. B., Rodan, A., and Kenyon, C. (1997). daf-16: An HNF-3/forkhead family member that can function to double the life-span of *Caenorhabditis elegans*, *Science* 278, 1319-1322.
- Lin, K., Hsin, H., Libina, N., Kenyon, C. (2001). Regulation of the *Caenorhabditis elegans* longevity protein DAF-16 by insulin/IGF-1 and germline signaling, *Nat Genet.*, 28(2):139-45.
- Loftus, S. K., Morris, J. A., Carstea, E. D., Gu, J. Z., Cummings, C., Brown, A., Ellison, J., Ohno, K., Rosenfeld, M. A., Tagle, D. A., *et al.* (1997). Murine model of Niemann-Pick C disease: Mutation in a cholesterol homeostasis gene, *Science* 277, 232-235.
- Lohmann, S. M., Walter, U. (1984). Regulation of the cellular and subcellular concentrations and distribution of cyclic nucleotide-dependent protein kinases. *Adv Cyclic Nucleotide Protein Phosphorylation Res.*, 18, 63-117. Review.
- Lucas, K. A., Pitari, G. M., Kazerounian, S., Ruiz-Stewart, I., Park, J., Schulz, S., Chepenik, K. P., and Waldman, S. A. (2000). Guanylyl cyclases and signaling by cyclic GMP, *Pharmacological Reviews* 52, 375-413.
- Macias-Silva, M., Abdollah, S., Hoodless, P. A., Tsukazaki, T., Hayashi, H., Attisano, L., and Wrana, J. L. (1997). Phosphorylation of MADR2 by the TGF- $\beta$  receptor on both serines 465 and 467 is required for association with DPC4 and TGF- $\beta$  signaling, *Faseb Journal* 11, 2822.
- Ma, Z., Morris, S. W., Valentine, V., Li, M., Herbrick, J. A., Cui, X., Bouman, D., Li, Y., Mehta, P. K., Nizetic, D., Kaneko, Y., Chan, G. C., Chan, L. C., Squire, J., Scherer, S. W., Hitzler, J. K. (2001). Fusion of two novel genes, RBM15 and MKL1, in the t(1;22)(p13;q13) of acute megakaryoblastic leukemia, *Nat. Genet.*, 28(3), 220-221.
- Maeda, I., Kohara, Y., Yamamoto, M., and Sugimoto, A. (2001). Large-scale analysis of gene function in *Caenorhabditis elegans* by high-throughput RNAi, *Current Biology* 11, 171-176.
- Maehama, T., and Dixon, J. E. (1998). The tumor suppressor, PTEN/MMAC1, dephosphorylates the lipid second messenger, phosphatidylinositol 3,4,5-trisphosphate, *Journal of Biological Chemistry* 273, 13375-13378.
- Mangelsdorf, D. J., and Evans, R. M. (1995). The RXR Heterodimers and Orphan Receptors, *Cell* 83, 841-850.
- Massague, J., Blain, S. W., and Lo, R. S. (2000). TGF  $\beta$  signaling in growth control, cancer, and heritable disorders, *Cell* 103, 295-309.

- Miller, D. M., Niemeyer, C. J., and Chitkara, P. (1993). Dominant Unc-37 Mutations Suppress the Movement Defect of a Homeodomain Mutation in Unc-4, a Neural Specificity Gene in *Caenorhabditis elegans*, *Genetics* *135*, 741-753.
- Morita, K., Shimizu, M., Shibuya, H., and Ueno, N. (2001). A DAF-1-binding protein BRA-1 is a negative regulator of DAF-7 TGF-beta signaling, *Proceedings of the National Academy of Sciences of the United States of America* *98*, 6284-6288.
- Morris, D. V., and Falcone, T. (1996). The relationship between insulin sensitivity and insulin like growth factor binding protein-1, *Gynecological Endocrinology* *10*, 407-412.
- Morris, J. Z., Tissenbaum, H. A., and Ruvkun, G. (1996). A phosphatidylinositol-3-OH kinase family member regulating longevity and diapause in *Caenorhabditis elegans*, *Nature* *382*, 536-539.
- Moss, E. G., Lee, R. C., and Ambros, V. (1997). The cold shock domain protein LIN-28 controls developmental timing in *C. elegans* and is regulated by the lin-4 RNA, *Cell* *88*, 637-646.
- Moustakas, A., Souchelnytskyi, S., and Heldin, C. H. (2001). Smad regulation in TGF-beta signal transduction, *Journal of Cell Science* *114*, 4359-4369.
- Murakami, M., Koga, M., and Ohshima, Y. (2001). DAF-7/TGF-beta expression required for the normal larval development in *C. elegans* is controlled by a presumed guanylyl cyclase DAF-11, *Mechanisms of Development* *109*, 27-35.
- Murakami, S., and Johnson, T. E. (1996). A genetic pathway conferring life extension and resistance to UV stress in *Caenorhabditis elegans*, *Genetics* *143*, 1207-1218.
- Nagy, L., Kao, H. Y., Chakravarti, D., Lin, R. J., Hassig, C. A., Ayer, D. E., Schreiber, S. L., and Evans, R. M. (1997). Nuclear receptor repression mediated by a complex containing SMRT, mSin3A, and histone deacetylase, *Cell* *89*, 373-380.
- Nagy, L., Kao, H. Y., Love, J. D., Li, C., Banayo, E., Gooch, J. T., Krishna, V., Chatterjee, K., Evans, R. M., and Schwabe, J. W. R. (1999). Mechanism of corepressor binding and release from nuclear hormone receptors, *Genes & Development* *13*, 3209-3216.
- Nakai, K., and Horton, P. (1999). PSORT: a program for detecting sorting signals in proteins and predicting their subcellular localization, *Trends in Biochemical Sciences* *24*, 34-35.
- Newberry, E. P., Latifi, T., and Towler, D. A. (1999a). MINT, an Msx2-interacting nuclear target, is a nucleic acid-binding transcriptional regulator, *Journal of Bone and Mineral Research* *14*, 1088.
- Newberry, E. P., Latifi, T., and Towler, D. A. (1999b). The RRM domain of MINT, a novel Msx2 binding protein, recognizes and regulates the rat osteocalcin promoter, *Biochemistry* *38*, 10678-10690. *EMBO Journal* *21(20)*, 5417-5426.
- Obokata, J., Ohme, M., and Hayashida, N. (1991). Nucleotide-Sequence of a Cdna Clone Encoding a Putative Glycine-Rich Protein of 19.7 Kda in *Nicotiana-Sylvestris*, *Plant Molecular Biology* *17*, 953-955.

- Ogg, S., Paradis, S., Gottlieb, S., Patterson, G. I., Lee, L., Tissenbaum, H. A., and Ruvkun, G. (1997). The Fork head transcription factor DAF-16 transduces insulin-like metabolic and longevity signals in *C. elegans*, *Nature* *389*, 994-999.
- Ogg, S., and Ruvkun, G. (1998). The *C. elegans* PTEN homolog, DAF-18, acts in the insulin receptor-like metabolic signaling pathway, *Molecular Cell* *2*, 887-893.
- Ogryzko, V. V., Schiltz, R. L., Russanova, V., Howard, B. H., and Nakatani, Y. (1996). The transcriptional coactivators p300 and CBP are histone acetyltransferases, *Cell* *87*, 953-959.
- Oswald, F., Kostezka, U., Astrahantseff, K., Bourteele, S., Dillinger, K., Zechner, U., Ludwig, L., Wilda, M., Hameister, H., Knochel, W., Liptay, S., Schmid, R. M. (2002). SHARP is a novel component of the Notch/RBP-Jkappa signalling pathway. *EMBO Journal* *21*(20), 5417-5426.
- Paradis, S., Ailion, M., Toker, A., Thomas, J. H., and Ruvkun, G. (1999). A PDK1 homolog is necessary and sufficient to transduce AGE-1 PI3 kinase signals that regulate diapause in *Caenorhabditis elegans*, *Genes & Development* *13*, 1438-1452.
- Paradis, S., Nelson, J. L., and Irwin, S. E. B. (1998). Age constraints on the Devonian shale-hosted Zn-Pb-Ba deposits, Gataga district, northeastern British Columbia, Canada, *Economic Geology and the Bulletin of the Society of Economic Geologists* *93*, 184-200.
- Paradis, S., and Ruvkun, G. (1998). *Caenorhabditis elegans* Akt/PKB transduces insulin receptor-like signals from AGE-1 PI3 kinase to the DAF-16 transcription factor, *Genes & Development* *12*, 2488-2498.
- Patterson, G. I., Koweeck, A., Wong, A., Liu, Y. X., and Ruvkun, G. (1997). The DAF-3 Smad protein antagonizes TGF-beta-related receptor signaling in the *Caenorhabditis elegans* dauer pathway, *Genes & Development* *11*, 2679-2690.
- Perissi, V., Staszewski, L. M., McInerney, E. M., Kurokawa, R., Kroner, A., Rose, D. W., Lambert, M. H., Milburn, M. V., Glass, C. K., and Rosenfeld, M. G. (1999). Molecular determinants of nuclear receptor-corepressor interaction, *Genes & Development* *13*, 3198-3208.
- Pierce, S. B., Costa, M., Wisotzkey, R., Devadhar, S., Homburger, S. A., Buchman, A. R., Ferguson, K. C., Heller, J., Platt, D. M., Pasquinelli, A. A., *et al.* (2001). Regulation of DAF-2 receptor signaling by human insulin and ins-1, a member of the unusually large and diverse *C. elegans* insulin gene family, *Genes & Development* *15*, 672-686.
- Popham, J. D., and Webster, J. M. (1979). Aspects of the Fine-Structure of the Dauer Larva of the Nematode *Caenorhabditis elegans*, *Canadian Journal of Zoology-Revue Canadienne De Zoologie* *57*, 794-800.
- Rebay, I., Chen, F. L., Hsiao, F., Kolodziej, P. A., Kuang, B. H., Laverty, T., Suh, C., Voas, M., Williams, A., and Rubin, G. M. (1999). A genetic screen for novel components of the Ras/mitogen-activated protein kinase signaling pathway that interact with the yan gene of *Drosophila* identifies split ends, a new RNA recognition motif-containing protein, *Genetics* *154*, 695-712.

- Ren, P. F., Lim, C. S., Johnsen, R., Albert, P. S., Pilgrim, D., and Riddle, D. L. (1996). Control of *C. elegans* larval development by neuronal expression of a TGF-beta homolog, *Science* 274, 1389-1391.
- Riddle, D. L., Swanson, M. M., Albert P.S. (1981). Interacting genes in nematode dauer larva formation, *Nature*, 290(5808):668-71.
- Riddle, D. L. and Albert P.S. (1997). Genetic and environmental regulation of dauer larva development. In *C. elegans II* (ed. D. Riddle, B. Meyer, J. Priess and T. Blumenthal). Cold Spring Harbor: Cold Spring Harbor Press.
- Rosenfeld, M. G., and Glass, C. K. (2001). Coregulator codes of transcriptional regulation by nuclear receptors, *Journal of Biological Chemistry* 276, 36865-36868.
- Rougvie, A. E., and Ambros, V. (1995). The Heterochronic Gene Lin-29 Encodes a Zinc-Finger Protein That Controls a Terminal Differentiation Event in *Caenorhabditis elegans*, *Development* 121, 2491-2500.
- Ruvkun, G., and Giusto, J. (1989). The *Caenorhabditis elegans* Heterochronic Gene Lin-14 Encodes a Nuclear-Protein That Forms a Temporal Developmental Switch, *Nature* 338, 313-319.
- Sambrook, J., Fritsch, E. F., Maniatis, T. (1989). *Molecular Cloning*, second edition, Cold Spring Harbor: Cold Spring Harbor Laboratory Press.
- Schackwitz, W. S., Inoue, T., and Thomas, J. H. (1996). Chemosensory neurons function in parallel to mediate a pheromone response in *C. elegans*, *Neuron* 17, 719-728.
- Schulman, I. G., Li, C., Schwabe, J. W. R., and Evans, R. M. (1997). The phantom ligand effect: Allosteric control of transcription by the retinoid X receptor, *Genes & Development* 11, 299-308.
- Schwartz, M. W., Woods, S. C., Porte, D., Seeley, R. J., and Baskin, D. G. (2000). Central nervous system control of food intake, *Nature* 404, 661-671.
- Shi, Y. H., Downes, M., Xie, W., Kao, H. Y., Ordentlich, P., Tsai, C. C., Hon, M., and Evans, R. M. (2001). Sharp, an inducible cofactor that integrates nuclear receptor repression and activation, *Genes & Development* 15, 1140-1151.
- Shi, Y. H., Hon, M., and Evans, R. M. (2002). The peroxisome proliferator-activated receptor delta, an integrator of transcriptional repression and nuclear receptor signaling, *Proceedings of the National Academy of Sciences of the United States of America* 99, 2613-2618.
- Sluder A. E., Mathews S.W., Hough D., Yin V.P., Maina C.V. (1999). The nuclear receptor superfamily has undergone extensive proliferation and diversification in nematodes, *Genome Res.* 1999 (2):103-20.
- Sluder, A. E., and Maina, C. V. (2001). Nuclear receptors in nematodes: themes and variations, *Trends in Genetics* 17, 206-213.

- Soderstrom, M., Vo, A., Heinzl, T., Lavinsky, R. M., Yang, W. M., Seto, E., Peterson, D. A., Rosenfeld, M. G., and Glass, C. K. (1997). Differential effects of nuclear receptor corepressor (N-CoR) expression levels on retinoic acid receptor-mediated repression support the existence of dynamically regulated corepressor complexes, *Molecular Endocrinology* *11*, 682-692.
- Sonnhammer, E. L. L., Eddy, S. R., Birney, E., Bateman, A., and Durbin, R. (1998). Pfam: multiple sequence alignments and HMM-profiles of protein domains, *Nucleic Acids Research* *26*, 320-322.
- Spencer, T. E., Jenster, G., Burcin, M. M., Allis, C. D., Zhou J., Mizzen, C. A., McKenna, N. J., Onate, S. A., Tsai, S. Y., Tsai, M. J., and O'Malley, B. W. (1997). Steroid receptor coactivator-1 is a histone acetyltransferase, *Nature*, *389*, 194-198.
- Steck, P. A., Pershouse, M. A., Jasser, S. A., Yung, W. K. A., Lin, H., Ligon, A. H., Langford, L. A., Baumgard, M. L., Hattier, T., Davis, T., *et al.* (1997). Identification of a candidate tumour suppressor gene, MMAC1, at chromosome 10q23.3 that is mutated in multiple advanced cancers, *Nature Genetics* *15*, 356-362.
- Stotz, A, Linder, P. (1990). The ADE2 gene from *Saccharomyces cerevisiae*: sequence and new vectors, *Gene*, *95*(1):91-8.
- Sulston, J. E., Horvitz, H. R., (1977). Post-embryonic cell lineages of the nematode *Caenorhabditis elegans*, *Dev. Biol.* *56*(1), 110-156.
- Sulston J. and Hodgkin, J. (1988). Methods. In *He Nematode C. elegans* (ed. WB Wood). pp 587-606 Cold Spring Harbor: Cold Spring Harbor Laboratory Press.
- Sze, J. Y., Victor, M., Loer, C., Shi, Y., and Ruvkun, G. (2000). Food and metabolic signaling defects in a *Caenorhabditis elegans* serotonin-synthesis mutant, *Nature* *403*, 560-564.
- Tabara, H., Sarkissian, M., Kelly, W. G., Fleenor, J., Grishok, A., Timmons, L., Fire, A., and Mello, C. C. (1999). The rde-1 gene, RNA interference, and transposon silencing in *C. elegans*, *Cell* *99*, 123-132.
- Takiff, H. E., Chen, S. M., and Court, D. L. (1989). Genetic-Analysis of the Rnc Operon of *Escherichia-Coli*, *Journal of Bacteriology* *171*, 2581-2590.
- Taub, R., Greenbaum, L. E., and Peng, Y. (1999). Transcriptional regulatory signals define cytokine-dependent and -independent pathways in liver regeneration, *Seminars in Liver Disease* *19*, 117-127.
- Tetel, M. J. (2000). Nuclear receptor coactivators in neuroendocrine function, *Journal of Neuroendocrinology* *12*, 927-932.
- Thomas. J. H., Birnby, D. A., Vowels, J. J.(1993). Evidence for parallel processing of sensory information controlling dauer formation in *Caenorhabditis elegans*. *Genetics*, *134*(4):1105-17.

- Timmons, L., Court, D. L., and Fire, A. (2001). Ingestion of bacterially expressed dsRNAs can produce specific and potent genetic interference in *Caenorhabditis elegans*, *Gene* 263, 103-112.
- Timmons, L., and Fire, A. (1998). Specific interference by ingested dsRNA, *Nature* 395, 854-854.
- Tissenbaum, H. A., and Guarente, L. (2002). Model organisms as a guide to mammalian aging, *Developmental Cell* 2, 9-19.
- Tissenbaum, H. A., and Ruvkun, G. (1998). An insulin-like signaling pathway affects both longevity and reproduction in *Caenorhabditis elegans*, *Genetics* 148, 703-717.
- Tsai, C. C., Kao, H. Y., Yao, T. P., McKeown, M., and Evans, R. M. (1999). SMRTER, a *Drosophila* nuclear receptor coregulator, reveals that EcR-mediated repression is critical for development, *Molecular Cell* 4, 175-186.
- Tuschl, T. (2001). RNA interference and small interfering RNAs . *ChemBiochem.*, 2(4), 239-45. Review.
- Uhler, M. D. (1993). Cloning and Expression of a Novel Cyclic gMP-Dependent Protein-Kinase from Mouse-Brain, *Journal of Biological Chemistry* 268, 13586-13591.
- Vanfleteren, J. R. (1993). Oxidative Stress and Aging in *Caenorhabditis elegans*, *Biochemical Journal* 292, 605-608.
- Voegel, J. J., Heine, M. J. S., Zechel, C., Chambon, P., and Gronemeyer, H. (1996). TIF2, a 160 kDa transcriptional mediator for the ligand- dependent activation function AF-2 of nuclear receptors, *EMBO Journal* 15, 3667-3675.
- Vowels, J. J., and Thomas, J. H. (1992). Genetic-Analysis of Chemosensory Control of Dauer Formation in *Caenorhabditis elegans*, *Genetics* 130, 105-123.
- Vowels, J. J., and Thomas, J. H. (1994). Multiple Chemosensory Defects in Daf-11 and Daf-21 Mutants of *Caenorhabditis elegans*, *Genetics* 138, 303-316.
- Wanker, E. E., Rovira, C., Scherzinger, E., Hasenbank, R., Walter, S., Tait, D., Colicelli, J., and Lehrach, H. (1997). HIP-I: A huntingtin interacting protein isolated by the yeast two-hybrid system, *Human Molecular Genetics* 6, 487-495.
- Wen, C., Levitan, D., Li, X., Greenwald, I. (2000). *spr-2*, a suppressor of the egg-laying defect caused by loss of sel-12 presenilin in *Caenorhabditis elegans*, is a member of the SET protein subfamily, *Proc Natl Acad Sci U S A.*, 97(26):14524-9.
- White, M. F., Kahn, C. (1994). The insulin signaling system. *Journal Biol. Chem.*, 269(1),1-4. Review.
- Wiellette, E. L., Harding, K. W., Mace, K. A., Ronshaugen, M. R., Wang, F. Y., and McGinnis, W. (1999). Spen encodes an RNP motif protein that interacts with Hox pathways to repress the development of head-like sclerites in the *Drosophila* trunk, *Development* 126, 5373-5385.

- Wightman, B., Ha, I., and Ruvkun, G. (1993). Posttranscriptional Regulation of the Heterochronic Gene *Lin-14* by *Lin-4* Mediates Temporal Pattern-Formation in *C. elegans*, *Cell* 75, 855-862.
- Wolin, S. L., Cedervall, T.(2002). The *la* protein. *Annu Rev Biochem.*,71:375-403.
- Xu, L., Glass, C. K., and Rosenfeld, M. G. (1999). Coactivator and corepressor complexes in nuclear receptor function, *Current Opinion in Genetics & Development* 9, 140-147.
- Yao, T. P., Ku, G., Zhou, N. D., Scully, R., and Livingston, D. M. (1996). The nuclear hormone receptor coactivator SRC-1 is a specific target of p300, *Proceedings of the National Academy of Sciences of the United States of America* 93, 10626-10631.
- Yoh, S. M., Chatterjee, V. K., Privalsky, M. L..(1997). Thyroid hormone resistance syndrome manifests as an aberrant interaction between mutant T3 receptors and transcriptional corepressors, *Mol Endocrinol.*,11(4):470-80.
- Zamir, I., Dawson, J., Lavinsky, R. M., Glass, C. K., Rosenfeld, M. G., and Lazar, M. A. (1997a). Cloning and characterization of a corepressor and potential component of the nuclear hormone receptor repression complex, *Proceedings of the National Academy of Sciences of the United States of America* 94, 14400-14405.
- Zamir, I., Zhang, J. S., and Lazar, M. A. (1997b). Stoichiometric and steric principles governing repression by nuclear hormone receptors, *Genes & Development* 11, 835-846.
- Zamore, P. D., Tuschl, T., Sharp, P. A., and Bartel, D. P. (2000). RNAi: Double-stranded RNA directs the ATP-dependent cleavage of mRNA at 21 to 23 nucleotide intervals, *Cell* 101, 25-33.
- Zhang, J. S., Hu, X., and Lazar, M. A. (1999). A novel role for helix 12 of retinoid X receptor in regulating repression, *Molecular and Cellular Biology* 19, 6448-6457.
- Zhang, Y., Musci, T., and Derynck, R. (1997). The tumor suppressor Smad4 DPC 4 as a central mediator of Smad function, *Current Biology* 7, 270-276.
- Zwaal, R.R., Mendel, J.E., Sternberg, P.W., Plasterk, R.H.(1997). Two neuronal G proteins are involved in chemosensation of the *Caenorhabditis elegans* Dauer-inducing pheromone, *Genetics*,145(3),715-727.