

PUBLICATIONS

- 1977 Razin, A. and Cedar, H. Distribution of 5 methylcytosine in chromatin. Proc. Natl. Acad. Sci. (USA) **74**, 2725-2728.
- 1978 Razin, A., Hirose, T., Itakura, K. and Riggs, A.D. Efficient correction of a mutation by use of chemically synthesized DNA. Proc. Natl. Acad. Sci. (USA) **75**, 4268-4270.
- 1980 Razin, A. and Riggs, A.D. DNA methylation and gene function. Science **210**, 604-610.
- 1981 Gruenbaum, Y., Naveh-Many, T., Cedar, H. and Razin, A. Sequence specificity of methylation in higher plant DNA. Nature **292**, 860-862.
- 1982 Gruenbaum, Y., Cedar, H. and Razin, A. Substrate and sequence specificity of a eukaryotic DNA methylase. Nature **295**, 620-622.
- 1983 Cedar, H., Stein, R., Gruenbaum, Y., Naveh-Many, T., Sciaky-Gallili, N. and Razin, A. Effect of DNA methylation on gene expression. Cold Spring Harbor Symposia on Quantitative Biology, **47**, 605-609.
- 1983 Gruenbaum, Y., Szyf, M., Cedar, H. and Razin, A. Methylation of replicating and post-replicated mouse L-cell DNA. Proc. Natl. Acad. Sci. (USA) **80**, 4919-4921.
- 1984 Razin, A., Webb, C., Szyf, M., Yisraeli, J., Rosenthal, A., Naveh-Many, T., Sciaky-Gallili, N. and Cedar, H. Variations in DNA methylation during mouse cell differentiation in vivo and in vitro. Proc. Natl. Acad. Sci. (USA) **81**, 2275-2279.
- 1984 Razin, A. and Cedar, H. DNA Methylation in Eukaryotic Cells. Intl. Rev. Cytobiol. **92**, 159-185.
- 1985 Szyf, M., Eliasson, L., Mann, V., Klein, G. and Razin, A. Cellular and viral DNA hypomethylation associated with induction of Epstein-Barr virus lytic cycle. Proc. Natl. Acad. Sci. (USA), **82**, 8090-8094.
- 1986 Razin, A., Szyf, M., Kafri, T., Roll, M., Giloh, H., Scarpa, S., Carotti, D. and Cantoni, G.L. Replacement of 5-methylcytosine by cytosine - A possible mechanism for transient demethylation during differentiation. Proc. Natl. Acad. Sci. (USA) **83**, 2827-2831.
- 1988 Razin, A., Levine, A., Kafri, T., Agostini, S., Gomi, T. and Cantoni, G. L. Relationship between transient DNA hypomethylation and differentiation. Proc. Natl. Acad. Sci. (USA) **85**, 9003-9006.
- 1990 Shemer, R., Walsh, A., Eisenberg, S., Breslow, J.L., and Razin A. Tissue specific methylation patterns and expression of the human apoAI gene. J. Biol. Chem. **265**, 1010-1015.
- 1991 Frank, D., Keshet, I., Shani, M., Levine A., Razin, A. and Cedar, H. Demethylation of CpG islands in embryonic cells. Nature **351**, 239-241.
- 1992 Kafri, T., Ariel, M., Brandeis, M., Shemer, R., Lomer, U., McCarrey, J., Cedar, H. and Razin, A. Developmental pattern of gene specific DNA methylation in the mouse embryo and germ line. Genes and Development **6**, 705-714.
- 1993 Stoger, R., Kubicka, P., Liu, C-G., Kafri, T., Razin, A., Cedar, H. and Barlow, D.P. Maternal-specific methylation of the imprinted gene mouse Igf2r locus identifies the expressed locus as carrying the imprinting signal. Cell **73**, 61-71.

- 1993 Brandeis, M., Kafri, T., Ariel, M., Chaillet, J.R., McCarrey, J., Razin, A and Cedar, H. The ontogeny of allele-specific methylation associated with imprinted genes in the mouse. *EMBO J.* **12**, 3669-3677.
- 1993 Kafri, T., Gao, X. and Razin, A. Mechanistic aspects of genome-wide demethylation in the preimplantation mouse embryo. *Proc. Natl. Acad. Sci. (USA)* **90**, 10558-10562.
- 1994 Razin, A. and Cedar, H. DNA methylation and genomic imprinting. *Cell* **77**, 473-476.
- 1994 Brandeis, M., Frank, D., Keshet, I., Siegfried, Z., Mendelsohn, M., Nemes, A., Temper, V., Razin, A. and Cedar, H. Sp1 elements protect a CpG island from de novo methylation. *Nature* **371**, 435-438.
- 1995 Razin, A. and Shemer, R. DNA methylation in early development. *Hum. Mol. Gen.* **4**, 1751-1755.
- 1996 Weiss, A., Keshet, I., Razin, A. and Cedar H. DNA demethylation in vitro: Involvement of RNA. *Cell* **86**, 109-718.
- 1997 Shemer, R., Birger, Y., Riggs, A.D. and Razin, A. Structure of the imprinted mouse Snrpn gene and establishment of its parental-specific methylation pattern. *Proc. Natl. Acad. Sci. (USA)* **94**, 10267-10272.
- 1998 Razin, A. CpG methylation, chromatin structure and gene silencing--a three-way connection. *EMBO J.* **17**, 4905-4908.
- 1999 Birger, Y., Shemer, R., Perk, J. and Razin, A. The imprinting box of the mouse Igf2r gene. *Nature* **397**, 84-88.
- 2000 Shemer, R. Hershko, A.Y., Perk, J., Mostoslavsky, R., Tsuberi, B.-Z., Cedar, H., Buiting, K. and Razin, A. The imprinting box of the Prader-Willi/Angelman Syndrome domain. *Nature Genet.* **26**, 440-443.
- 2001 Hershko, A.Y., Kantor, B., Finberg, Y., Shemer, R. and Razin, A. The mouse Snrpn minimal promoter and its human orthologue: Activity and Imprinting. *Genes to Cells* **2**, 967-975.
- 2002 Perk, J., Makedonski, K., Lande, L., Cedar, H., Razin, A. and Shemer, R. On the imprinting mechanism of the Prader-Willi/Angelman regional control center. *EMBO J.* **21**, 5807-5814.
- 2004 Kantor, B., Makedonski, K., Green-Finberg, Y., Shemer, R. & Razin, A. Control elements within the PWS/AS imprinting box and their function in the imprinting process. *Hum. Mol. Genet.* **13**, 751-762.
- 2005 Razin, A., and Kantor, B. DNA methylation in epigenetic control of gene expression. *Prog. Mol. Subcell. Biol.* **38**, 151-167.
- 2006 Kantor, B., Shemer, R. and Razin, A. The Prader-Willi/Angelman imprinted domain and its control center. *Cytogenet. Genome Res.* **113**, 300-305.
- 2007 Abuhatzira, L., Makedonski, K., Kaufman, Y., Razin, A. & Shemer, R. MeCP2 deficiency in the brain decreases BDNF levels by REST/CoREST-mediated repression and increases TRKB production. *Epigenetics* **2**, 214-222.