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Fields of Interest: molecular genetics and medicine, oncology, general intelligence, brain

Curriculum Vitae

PAST RESEARCH INTERESTS: Organic chemistry and enzymology, rRNA and mRNA biogenesis, ribosome reconstitution and structure, protein biosynthesis, molecular bases of chemotherapy of cancer, cell and molecular biology of aging; interspersed repeated DNA, recombinant DNA technology, molecular cloning, cancer genes, gene structure, gene transfer.

CURRENT RESEARCH INTERESTS: Genomics and bioinformatics. Cancer-causing genes: mapping, cloning and characterization of chromosome 3p tumor suppressor genes involved in the origin and/or development of major epithelial malignancies, including lung, kidney, breast, and prostate cancer. Cell surface carbonic anhydrases and progression of cancer: development of new drugs and cDNA based vaccines. Combinatorial gene therapy of cancer with cancer-causing tumor suppressor genes and pH regulators as immune and drug targets to cure cancer. Discovery and characterization of genes underlying *g* (general intelligence), IQ.

HONORS:

(1990). NIH Award for studies on tumor suppressor genes
(1997). American Men and Women of Science
(2006). 'h' index: 40 (Using GOOGLE Scholar for citation #)