Ronald Portanova, Ph.D.

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Dr. Portanova has published research articles dealing with his work on the biosynthesis and secretion of vasopressin, the regulation of ACTH secretion and the negative feedback effects on corticosteroids on the adenohypophysial-hypothalamic axis, and the physiologic actions of human Growth Hormone (hGH) in hGH-transgenic animals. His research has been supported by grants from the National Institutes of Health, the National Science Foundation, the US Department of Agriculture, the American Osteopathic Association, and the Brentwood Foundation. Dr. Portanova has also been active in medical education reform. He delivered an invited presentation on "Continuum: Model curriculum for the 21st century " at The 8th Annual Osteopathic Medical Education Leadership Conference, contributed a chapter on "The endocrine system and body unity " Osteopathic principles at a chemical level" to the textbook, Foundations of Osteopathic Medicine, and has contributed several articles to the medical education literature, including " An osteopathic prescription for medical education reform: Part I. Curriculum and infrastructure". Dr.Portanova is accredited by the American Osteopathic Association as an inspector of pre-doctoral programs and Ostiopathic Postdoctoral Training Institutions (OPTIs).

Research Support

NIH, Isolated Adenohypophysial Cells, 12/77-11/78, $65,921, (with G. Sayers)

NSF, Regulation of Hormone Secretion by Adenohypophysial cells, 9/79 - 2/82, $74,254.

OURC, Morphological and Physiological Studies of the Corticotroph - Rich Fraction of the Goldfish Pituitary , 5/81-6/83, $3,000, (with J. Eastman)

AOA, Regulation of ACTH Secretion, 9/81 - 8/82, $9,465.

USDA, Mammary Specific, Germline, Genetic Delivery of a Lactogenic Growth Hormone, 9/85-9/88, $150,000 (with T. Wagner and J. Kopchick)

Ohio University College of Osteopathic Medicine, Metabolism of ACTH and STH, 1979-95, $42,000.

Edison Biotechnology Institute, Effect of hGH on learning/memory in mice, 1993-94, $7500.

Edison Biotechnology Institute, Mouse-run experiments I, 1994-95, $10,116.

Edison Biotechnology Institute, Mouse-run experiments II, 1995-96, $2,200.

Brentwood Foundation, Integration of Basic Sciences into Osteopathic Medical Education, 1/97-12/98, $65,662, (with C. Meyer, D. Mann)

Smart Kids Foundation, “Development of Computerized Cases for the PCC”, 5/98, $9000

Smart Kids Foundation, “Development of Computerized Cases for the PCC”, 6/00, $9000