

metabolites in the bloodstream.

When studying the behavior of our own little Fido, Dr. Overall reminds us not to lose sight of the big picture. "Our pets are a mirror of a lot of things," she said. Is a dog "acting out" because of marital turmoil in the home? A new baby? A change of address? The field of

animal behavior is a relative newcomer to the realm of scientific research and medical practice, and its emergence is long overdue in the canine world. We share our lives with our dogs and accept them as full-fledged members of our households. Their behavior captivates us, confuses us and impacts our lives in a

powerful way. Maybe that's why seven of every ten clients question their veterinarians about their dogs' behavior.

When reflecting on canine behavior, Dr. Overall said, dog owners should bear this in mind: "Behavior is not just an event - it's a process."

J.C

Kleberg Fellowship Awarded

Dr. Alain Bouvet has been selected as the fourth Kleberg Fellow in the Section of Medical Genetics at the School. The fellowships, established in 1989 by the Robert J. Kleberg, Jr. and Helen C. Kleberg Foundation, support a postdoctoral research training program in medical genetics for veterinarians.

The objective of the program is to attract and train talented veterinary scientists in genetics research, emphasizing those fields which provide the greatest potential to advance the understanding, treatment, and prevention of diseases in which genes play a major role. Because of their broad education in the biological medical sciences and their direct involvement in the health and productivity of animals, veterinarians are ideally suited to play a major role in research into the basic mechanisms involved in genetic disease, gene therapy, identification and engineering of genes that will be important in producing disease resistance.

Dr. Bouvet's work as a Kleberg Fellow will center around the molecular analysis of genetic diseases that are homologs of human genetic disease. Dr. Bouvet comes to Penn from the Department of Molecular and Cellular Physiology, Cambridge Research Station, Cambridge, England, where his research focused on the detection and localization of genes in swine, using flow cytometry and DNA hybridization techniques. Dr. Bouvet received his veterinary degree from the University of Montreal and his Ph.D. degree in biomedical sciences from the University of Guelph, Canada.

Dr. Rosanne Taylor is the other current Kleberg Fellow. Dr. Taylor received her veterinary and Ph.D. degrees from



Dr. Rosanne Taylor and Dr. Alain Bouvet, the two current Kleberg Fellows at the School of Veterinary Medicine.

the University of Sydney, Australia, where she became interested in the pathogenesis and therapy of genetic disorders utilizing animal models of human genetic disease. During her graduate work, she studied the use of bone marrow transplantation as a therapeutic approach to the lysosomal storage disease, fucosidosis in the dog. Desiring further training in molecular genetics and gene therapy research, Dr. Taylor entered the Kleberg postdoctoral training program in medical genetics in 1991. She is currently working in the laboratory of Dr. John Wolfe on the gene therapy of murine and canine Mucopolysaccharidosis VII.

The Kleberg Fellowship Program,

still the only of its kind in any veterinary school in the world, will have a significant effect on the long-term course of the profession of veterinary medicine and on knowledge concerning the mechanisms and treatment of genetic diseases in animals and human beings. Additional fellowships will be offered to veterinarians with outstanding academic records and demonstrated talent in areas basic to the field of genetics.

Individuals interested in this program should contact Dr. Donald F. Patterson, Chief, Section of Medical Genetics, School of Veterinary Medicine, University of Pennsylvania, 3800 Spruce Street, Philadelphia, PA 19104.