

Animal Physiology: From Genes to Organisms

By Lauralee Sherwood, Hillar Klandorf, Paul Yancey

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Editorial Review

About the Author

Following graduation from Michigan State University in 1966, Dr. Lauralee Sherwood joined the faculty at West Virginia University, where she is currently a Professor in the Department of Physiology and Pharmacology, School of Medicine. For the past 40 years, Professor Sherwood has taught an average of over 400 students each year in physiology courses for pharmacy, medical technology, physical therapy, occupational therapy, nursing, medical, dental, dental hygiene, nutrition, exercise physiology, and athletic training majors. She has authored three physiology textbooks: HUMAN PHYSIOLOGY: FROM CELLS TO SYSTEMS, FUNDAMENTALS OF HUMAN PHYSIOLOGY, and ANIMAL PHYSIOLOGY: FROM GENES TO ORGANISMS, all published by Cengage Learning/Brooks/Cole. Dr. Sherwood has received numerous teaching awards, including an Amoco Foundation Outstanding Teacher Award, a Golden Key National Honor Society Outstanding Faculty Award, two listings in Who's Who Among America's Teachers, and the Dean's Award of Excellence in Education.

Hillar Klandorf is a Professor of Animal and Veterinary Science at West Virginia University. He completed his Ph.D. degree through the British Council for National Academic Awards (CNAA) After completing two post-doctoral research programs he spent 3 1/2 years at UCLA studying agents that affect the onset of diabetes, and currently he is investigating factors that limit the accelerated tissue aging associated with the elevated plasma glucose concentrations in birds. He instructs animal physiology and animal behavior classes at West Virginia University. ANIMAL PHYSIOLOGY incorporates current physiological issues and ideas generated from students enrolled in the Animal Physiology class.

Paul H. Yancey is a Professor of Biology at Whitman College. SINCE earning a Ph.D. in Marine Biology (with an emphasis in Animal Physiology and Biochemistry) from U.C.S.D., he HAS conducted research on invertebrates, fishes, and mammals at the University of St. Andrews (Scotland), the National Institutes of Health, the Mt. Desert Island Biological Laboratory, HOPKINS MARINE STATION, the Monterey Bay Aquarium Research Institute, and the University of Otago (New Zealand), as well as at Whitman College. His research is on biochemical and physiological adaptations to water stress. He teaches animal physiology, human anatomy and physiology, marine biology, and bioethics, and has won several teaching awards. Dr. Yancey brings a broad evolutionary perspective and 24 years of teaching experience to the writing of this text.

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