



Joy Goodwin Distinguished Lecturer

Dr. Roger Cone

Senior Scientist, Vollum Institute,
Oregon Health and Science University

Director, Center for the Study of Weight Regulation
and Associated Disorders, Oregon Health and Science University

Tuesday, December 6

The Zebrafish as a System for the Genetic Analysis of Energy Homeostasis

This seminar is a research-oriented presentation of Dr. Cone's work.

11 a.m., 120 Greene Hall

The Remarkable Physiology of the Melanocortin System

This seminar is designed for a general scientific audience.

4 p.m., Overton Auditorium

Dr. Cone's research has been at the forefront of work directed toward understanding how the brain controls body weight. His laboratory concentrates on the central melanocortin system, a complex set of neural circuits they have demonstrated to regulate a variety of physiological processes important to energy homeostasis. Current work is focused on identifying the normal hormonal, nutritional, and afferent signals involved in energy homeostasis that depend on the physiological and anatomical circuitry (POMC); identifying the effector neurons and molecules downstream of POMC; and developing zebrafish as a model system for the identification of genes involved in the regulation of energy homeostasis.

Dr. Cone earned his Ph.D. in biology from the Massachusetts Institute of Technology in 1985 and performed a fellowship at the Cold Spring Harbor Laboratory in New York. In 1988 he became an assistant professor in the Division of Molecular Medicine at the New England Medical Center in Boston. He joined the Vollum Institute at the Oregon Health and Science University in 1990. Currently a senior scientist in the institute, Dr. Cone was recently selected to serve as director of OHSU's new Center for the Study of Weight Regulation and Associated Disorders. He has received both national and international awards for this work, including the Ernst Oppenheimer Award from the U.S. Endocrine Society, the Berthold Memorial Award from the German Endocrine Society, the Discovery Award from the Medical Research Foundation of Oregon, and the John A. Resko Faculty Excellence in Research and Mentoring Award. Dr. Cone holds several U.S. patents and has published more than 100 scholarly papers, including articles in *Nature*, *Science* and *Cell*.

His presentations at Auburn are sponsored by the Joy Goodwin Distinguished Lecture Series. For more information on his presentations, contact Dr. Ya-Xiong Tao at 844-5396.