

CENTER FOR EXCELLENCE in the
NEUROSCIENCES



S E M I N A R S E R I E S

Cthrc1, hormonal regulator of body composition and voluntary physical activity

Volkhard Lindner, M.D., Ph.D.

Senior Scientist

Maine Medical Center Research Institute

Professor of Medicine

Tufts University School of Medicine

Thursday, June 11th 2015

12:00-1:00 p.m.

Alfond 304

UNE, Biddeford Campus

Lunch will be provided

Hosted by: Amy Davidoff, Ph.D.

Sponsored by: The Center for Excellence in the Neurosciences



Dr. Volkhard Lindner completed his M.D., Ph.D. degree at the University of Tübingen, Germany. At the University of Washington in Seattle he conducted research in vascular biology as a postdoctoral fellow and later as Assistant Professor before joining the Maine Medical Center Research Institute in 1996. Much of Dr. Lindner's previous work was dedicated to studying vascular

remodeling with emphasis on growth factor signaling. He developed two models enabling vascular remodeling studies in mice, which are widely used by investigators studying vascular diseases and their mechanisms.

In 1999 Dr. Lindner discovered the gene *Cthrc1*, Collagen Triple Helix Repeat Containing1, which since then has remained the focus of his research activities. *Cthrc1* was discovered during a screen for novel sequences associated with vascular- and tissue remodeling. In recent years Lindner's group reported that *Cthrc1* functions as a hormonal regulator of lipid metabolism with expression occurring in the pituitary gland and the hypothalamus. Ongoing work characterizes *Cthrc1* as an important regulator of adipose tissue development, physical activity and body composition with broad implications for obesity as well as athletic performance.

Center for Excellence in the Neurosciences

11 Hills Beach Road, Biddeford, ME 04005

www.une.edu/research/cen



**UNIVERSITY OF
NEW ENGLAND**