

The Speaker

Mark Leid, PhD is the Professor of Pharmacology and Assistant Dean for Research Department of Pharmaceutical Sciences, College of Pharmacy, Oregon State University. He graduated from the College of Pharmacy at Washington State University in 1983 and entered the graduate program in pharmacology at the Oregon State University College of Pharmacy in the fall of 1985. Mark worked as a pharmacist on evenings and weekends during graduate school until he earned his Ph.D. in pharmacology in 1989. He spent three years as a postdoctoral fellow under Pierre Chambon in the Laboratoire de Génétique Moléculaire des Eucaryotes in Strasbourg, France and returned to the OSU College of Pharmacy as an Assistant Professor of Pharmacology in 1992. In 2004, Mark assumed the position of Assistant Dean for Research in 2004. Mark lectures to second-year pharmacy students in the area of endocrine pharmacology and drugs used to treat diabetes, the hyperlipoproteinemias, and osteoporosis. Mark and his wife Jane live in Corvallis and have five, mostly well behaved children.

Course Description

Title: "*Building a Better Tooth: Lessons from Molecular Biology*"

Mark Leid will discuss recent results from his research laboratory at Oregon State University. Mark's group has been studying ameloblasts, the cells that are responsible for enamel production and secretion during tooth development, and they have identified a network of genes that orchestrate the development of these cells and the stem cells from which ameloblasts arise. This work is being directed toward the development of a bioengineered tooth that may substitute for dental implants, and also toward the isolation and use of dental stem cells in enamel repair.