

Edward Schwarz, Ph.D.

Associate Professor, Research



Dr. Edward Schwarz
Professor of Orthopaedics

University of Rochester Medical Center
601 Elmwood Ave., Box 665
Rochester, NY 14642
Phone: 001 585 275 3063
Fax: 001 585 756 4721
Mobil: 001 585 750 0867
Email: edward_schwarz@urmc.rochester.edu

Research Overview

My laboratory is primarily interested in NFkB signal transduction and how this pathway regulates cellular response in innate and acquired immunity. By generating transgenic and knockout mice, we have developed animal models of rheumatoid arthritis, periprosthetic aseptic loosening, and immunodeficiency. We are actively working to elucidate the molecular etiology in these mice, and design rational drug and gene therapy strategies to cure the disease in these animals. Successful approaches will be directly translated to determine efficacy in patients that suffer from these conditions.