

Jeffrey E. Pessin, Ph.D.*Professor, Medicine (Endocrinology)**Professor, Molecular Pharmacology**Director, Diabetes Research Center**Judy R. & Alfred A. Rosenberg Professorial Chair in Diabetes Research*

Dr. Jeffrey Pessin received his bachelor's and master's degrees from Brooklyn College and his Ph.D. from the University of Illinois at Urbana. He then was a postdoctoral fellow under Dr. Michael Czech at the University of Massachusetts Medical Center, and was professor of physiology and biophysics at the University of Iowa. He became the associate director of the University of Iowa Diabetes Center in 1991, and received the Eli Lilly Outstanding Investigator Award from the American Diabetes Association in 1996 and the University of Iowa Foundation Distinguished Professorship in 2001. In 2003 he was named chair of the department of pharmacological sciences at Stony Brook University, where he held the William and Jane Knapp Professorial Chair of Pharmacological Sciences. Dr. Pessin came to Einstein in 2008.

His research on diabetes and insulin action has centered on the molecular analysis of receptor tyrosine kinase activity and regulation of proteins kinases, small GTP-binding protein cascades that control the rate of glucose uptake and metabolism in skeletal muscle and adipose tissue. More recently, Dr. Pessin's laboratory has been investigating the role of adult progenitor cells in the development of adiposity and mechanical signals that influence stem cell development. These efforts use state-of-the-art cell biological approaches, including microinjection and living single cell confocal fluorescent microscopy in cell model systems and homologous recombination in mice to generate genetic animal models of insulin resistance and diabetes. These mouse models of insulin resistance are providing important new information for our understanding of the molecular events causing altered metabolism and the basis for more-effective treatments of diabetes and metabolic dysregulation.

He has served on numerous scientific review panels, research boards and program development committees. He has also been active in the peer-review process, having served as editor-in-chief of *Endocrinology* and the *American Journal of Physiology (Endocrinology & Metabolism)* and currently serving as an editor for *Diabetes*