

AAPS Distinguished Pharmaceutical Scientist Award

Sponsored by AstraZeneca Pharmaceuticals

The AAPS Distinguished Pharmaceutical Scientist Award recognizes the accomplishments of an individual that have been outstanding because of the impact of his/her work in the pharmaceutical sciences and technologies. The work must have moved significantly the frontier of the field. It must be demonstrated by a continued effort that involves the testing and establishment of basic concepts. These concepts must have important scientific significance and have stimulated research investigations by others.



Yuichi Sugiyama, Ph.D.

Professor Sugiyama is a world leader in pharmaceutical sciences, focusing on how drugs behave in the body, and how they exert their effects. His work is firmly based on quantitative principles along which drugs are absorbed, reach their target tissue, are metabolized, and eventually secreted (pharmacokinetics) and how they interact with their receptors and exert a pharmacological effect (pharmacodynamics). A central goal of his research is to predict drug action *in vivo*, and thereby, optimize drug therapy. By bringing physiological, molecular, and genetic studies to pharmacokinetics, Professor Sugiyama has spearheaded physiologically-based pharmacokinetics, or molecular pharmacokinetics. Professor Sugiyama's passion is to dissect a majority of these processes by *in vitro* studies, so that one will be able to predict the drug's behavior in the body. His work has succeeded to a degree unmatched by any other laboratory.