

## Meindert Danhof, PharmD, PhD

Meindert Danhof is emeritus Professor of Pharmacology and former Director of Research of the “Leiden Academic Center for Drug Research” (LACDR) at Leiden University in the Netherlands. He is also a Past President of the European Federation of Pharmaceutical Sciences (EUFEPS) and Past President of the 6<sup>th</sup> FIP Pharmaceutical Sciences World Congress (PSWC) in Stockholm in 2017

Meindert Danhof's research has been on novel theoretical concepts in pharmacokinetic-pharmacodynamic (PK-PD) modeling. Important contributions in this research have been 1) the incorporation of receptor theory and dynamical systems analysis in ‘mechanism-based’ PK-PD models with much improved properties for extrapolation and prediction. 2) the introduction of the concept of ‘disease system analysis’ for the mechanism-based analysis of drug effects on disease progression, and 3) the development of the ‘systems pharmacology’ concept, by the incorporation of concepts from systems biology into quantitative pharmacology. His research has been described in 500 publications in peer reviewed international scientific journals (H-factor: 79) and has been presented in 127 invited plenary lectures worldwide. Meindert Danhof has been the mentor of 65 PhD students and 20 post-doctoral research fellows graduating between 1990 and 2017.

Meindert Danhof has ample experience in bringing together international coalitions of scientists. He was the Founder and first Principal Investigator of the “TIPharma Mechanism-based PK-PD Modeling Platform” in 2007, with 9 leading international pharmaceutical companies, and academic institutions as partners, who agreed to the sharing of data for the purpose of mechanism-based PK-PD model building. Meindert Danhof is also the Founder and Chairman of the series of international conferences "Measurement and Kinetics of *In Vivo* Drug Effects' in Noordwijkerhout, the Netherlands in 1990, 1994, 1998, 2002, 2006, 2010 and 2014 with participation of scientist from around the world.

Meindert Danhof has been an AAPS Fellow since 1998. He has received several awards and prizes among which, the "FIP Distinguished Science Award" in 1997, the “Rawls Palmer Award” of the ASCPT in 2004 and the “EUFEPS New Safe Medicines Faster Award” in 2006. the Distinguished Investigator Award of ACCP in 2009, and the “Research Achievement Award in Pharmacokinetics, Pharmacodynamics and Drug Metabolism” of AAPS in 2010. In 2014 he was appointed “Knight of the Order of the Netherlands Lion” by His Majesty King Willem Alexander of the Netherlands. In 2019 he received the highest science award of FIP, the gold “Host-Madsen Medal” at the FIP Annual Congress in Abu Dhabi.