



Since March 2012 Professor **Thomas Rades** is the Research Chair in Pharmaceutical Design and Drug Delivery in the Department of Pharmacy, University of Copenhagen. Before that he has been the Chair in Pharmaceutical Sciences at the National School of Pharmacy, University of Otago, New Zealand from 2003 – 2012.

In 1994 he received a PhD from the University of Braunschweig, Germany for his work on thermotropic and lyotropic liquid crystalline drugs. After working as a Research Scientist in the Preclinical Development and Formulation at F. Hoffmann-La Roche in Basel, Switzerland, he became a Senior Lecturer in Pharmaceutical Sciences at Otago in 1999 and since 2003 held the Chair in Pharmaceutical Sciences in Otago.

Professor Rades has developed an international reputation for his research in the physical characterization of drugs and solid dosage forms as well as in vaccine delivery using nanoparticulate systems (both polymeric and lipid based). He has published more than 450 papers in international peer reviewed journals as well as 17 book chapters, 13 patents and 3 books.

Professor Rades is an Editor of the *Journal of Pharmaceutical Sciences* and the *European Journal of Pharmaceutics and Biopharmaceutics* and an Associate Editor of the *Journal of Pharmacy and Pharmacology*.

He holds an honorary doctorate of Åbo Akademi University, Finland, a visiting professorship at the Department of Medicine at the University of Adelaide, Australia and an honorary professorship at the University of Otago, New Zealand. He is an Eminent Fellow of the Academy of Pharmaceutical Sciences (UK), a Fellow of the New Zealand Institute of Chemistry and a member of the College of Fellows of the Controlled Release Society.

Professor Rades has successfully supervised more than 80 PhD students. For his undergraduate and postgraduate teaching he was awarded the New Zealand Tertiary Teaching Excellence Award for Sustained Excellence (2005).

His research interests include *The solid state of drugs and dosage forms*, and *Nanoparticles as delivery systems for drugs and vaccines*. Research in both areas aims to improve drug therapy through appropriate formulation and characterisation of medicines and to increase understanding of the physico-chemical properties of drugs and medicines. It combines physical, chemical, and biological sciences and technology with analytics to optimally formulate drugs and vaccines for human and veterinary uses.

Current research projects include: Co-amorphous drug delivery systems, Solubility of drugs in solid polymers, lipid based drug delivery systems