



## **Lars Engstrand**

Professor at the Karolinska Institutet, Stockholm has more than 25 years experience as a clinical microbiologist. His research interest includes the pathophysiology, diagnosis and treatment of gastrointestinal infections and studies on cellular interactions and pathogenesis particularly in the context of *Helicobacter pylori* infections. In a number of studies, population-based epidemiology has been combined with clinical and basic microbiological science, including molecular biology and genetics. Similar approaches have been applied on studies of the human microbiota in health and disease.

Professor Engstrand has contributed to the *Helicobacter* field for 25 years and has published 140 scientific papers and book chapters on various aspects of this infection (out of 200). He has initiated the use of new diagnostic tools in clinical microbiology such as the next generation sequencing technology, i.e., 454 pyrosequencing.

Cross-departmental collaborations have been developed with a number research centers in Europe and USA. Prof. Engstrand has currently faculty positions at the Department of Medicine, Baylor College of Medicine, Houston, Tx and at Washington University, School of Medicine. St. Louis. Since 2012 he is Director of clinical omics at Science for Life Laboratory in Stockholm.