

## **Jens Juul Holst, MD, DMSc**

Jens Juul Holst is Professor of Medical Physiology at the Department of Biomedical Sciences and Group Leader at the Novo Nordisk Foundation Center for Basic Metabolic Research, University of Copenhagen, Denmark.

Professor Holst's scientific work has been focused on the regulatory peptides of the pancreas and the gut and their importance in the regulation of the functions of the GI-tract and metabolism, with particular focus on blood glucose and appetite regulation, obesity and diabetes. A particular emphasis has been on the role of the incretin hormones of the gut (GLP-1 and GIP). Professor Holst's great scientific achievements include the discovery of GLP-1 (glucagon-like peptide 1) as a gut hormone responsible for the glucose-induced gastrointestinal stimulation of insulin secretion and for the regulation of postprandial satiation and his subsequent both basic and translational research in this field.

Currently Professor Holst and his group are engaged in revealing the mechanism behind the extreme weight loss and diabetes remission following bariatric surgery. They have documented that this involves hypersecretion of gut hormones, including GLP-1, and now strive to identify the mechanisms with the ultimate goal of developing new pharmacological diabetes and obesity treatments.

With an H-index of 147 (March 2021) he is among the most cited scientists in his field and has authored more than 1900 publications (March 2021 about 1500 in PubMed) including approx. 1500 original research articles, + book chapters and review articles.