

Lene LANGE



Professor, PhD et Dr Scient

**Research Leader, Head of Enzyme Discovery
Technical University of Denmark (DTU)**

Lene Lange has been Research Director in both public and private R&D. Her research focus is on the discovery of new enzymes for improved processing and product development for new biomass-based value chains. For this, a new State-of-the-Art genome sequencing technology platform has been developed (Peptide Pattern Recognition, Busk & Lange 2013). Currently, her research group have project activities in yellow biomass (e.g. straw), green biomass (e.g. grass and clover), blue biomass (e.g. macroalgae and fish) and red biomass (e.g. keratinaceous waste products such as chicken feather and pig bristles). They also work with improved processing for upgrading organic side streams from industrial food and feed processing; plus upgrading of the organic part of municipality waste and sludge.

Besides her active research agenda (45 peer reviewed papers from 2013-2017), Lene is involved in a broad spectrum of international research advisory roles, internationally, in the EU, for the Nordic countries and in Denmark.

Furthermore, Lene Lange has a busy portfolio of communication activities, promoting the bioeconomy at large by giving invited key notes and plenaries at all continents, covering both the latest development in enzyme and biorefinery technologies and about the development of the Bioeconomy, locally, regionally and globally.

Career background

Lene Lange's professional career includes experience from leading positions in both private sector business and public research institutes. Lene Lange reached research director level positions in both industry and academia; hereby acquired extensive experience from all parts of the knowledge-value-chain: research, technology, innovation, patenting, environmental impact assessment, product development, knowledge management, business models, and commercialization.

After post doc position at University of Copenhagen, Institute of Genetics, Lene was employed as scientist in the Danish Development Agency (DANIDA) Research Institute (1978-1986). The major part of her career, from 1987-2007, in R&D positions in private industry (Novo, Novo Nordisk, Novozymes A/S) finishing in top research career positions (Director of Research, in Molecular Biotechnology) within Novozymes R&D. From February 2007 back in academia, first as Head of Department of Biology, University of Copenhagen, and from September 2008 as Dean of Research and Professor in Biotechnology at Aalborg University; Director of Research for Aalborg University 2012-2015; Professor and Research Leader at the Technical University of Denmark 2015.

SCIENTIFIC COMMITTEE



Current/past Chairs/Committees/Boards served on

- Member of the Commission expert group on the review of the Bioeconomy Strategy and its Action Plan
- Member of the Scientific Committee of BBI JU
- Vice-chair for the Advisory Group to the Commission for Food, Agriculture, Fishery, Forestry and Biotechnology, FP7
- Chair of Expert Panel on Skills needs in Europe for Biobased Economy
- Member of the Expert Panel for evaluation of the 6th Framework Program
- Appointed member of the French and Norwegian National Research Agencies

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