

Lene Lange, Professor, Dr.Scient & PhD

Career path: Reached Research Director position in both private sector and academia. After PhD & post doc position at University of Copenhagen, DANIDA Research Institute (1978-86). 1986-2007, R&D Novo, NovoNordisk, Novozymes A/S, finishing in top research career position (NZ Director of Research, in Molecular Biotechnology). Professor (adj), University of Copenhagen, 2000-2010. 01.02.07 back in academia, as Head of Institute of Biology, University of Copenhagen, 2006-2008; from 01.09.08, Dean of Research and Professor in Biotechnology, Aalborg University. Campus director, AAU Cph 2009-2013; Director of Research, Aalborg University 2012-2015. Professor and research leader, Technical University of Denmark 2015-2018. Founder & Owner of own company.

Publications: In all approx. 300 peer reviewed papers, books, monographs and several patents. Google Scholar: 5.500 citations; >3.035 after 2018. H-index 35; i10 Index 122. (After 2018, 25 & 63).

Current Research: Enzyme discovery for improved biomass conversion. Focus: Generating value from crop residues and from marine, agricultural and industrial sidestreams. Inventing/developing peptide- based functional annotation: CUPP, an on-line fast-track discovery of new proteins and peptides, predicting function directly from sequence, based on identifying and using conserved, unique peptide patterns; relevant for climate change mitigation, circularity, responsible use of biological resources; importance of knowledge-sharing and bioethical aspects included in all studies.

Advisory roles within Bioeconomy, International & European: Experience from recent and current positions: Member of Scientific Committee for CBE, Horizon Europe. Vice Chair of Scientific Committee for BBI JU, a 3.7 billion Euro program. Member of the Nordic Bioeconomy panel, advisory to the Nordic Council of Ministers, and to Icelandic chairmanship. Member of the Danish Bioeconomy Panel. Member of L&F, Danish Agriculture and Food industry's Green Think Tank "Future Farming". Member of Food Think Tank "Frej"; and member of WWF Denmark, Scientific Committee. Hor2020 and HE Reference group for Bioeconomy, food and agriculture, Ministry of Research and Education, Denmark. Intl. Scientific Committee for ECFG. Intl. Advisory Board of MIRRI, European Culture Collections. Chairman for Intl. Advisory Board, U-Protein Research project, Ireland.

Nordic Advisory roles and experience (selected items): President for ScanBalt Academy. Member of BIONÆR, Norwegian Research Council; Project Chair for the NCM project "Test centers for green energy solutions"; Member of Board of University of Stavanger; Chair of NordForsk Board. International member of the Research Council for Functional Genomics, FUGE. Chair of the Norwegian Expert Panel advising on future Importance of Bioprospecting. CSO for Barentzymes start-up company, 2014-2015. Member of the Nordic Bioeconomy Panel; member, NCM, Icelandic Chairmanship, Nordmar Biorefinery. 2023, Norway Research Council, R&D Evaluation Committee.

International Experience, Advisory roles for EU (selected items): Vice chair of Scientific committee of BBI JU, Bio-Based Industries, a Public Private Partnership, EU JU; a 3.7 billion Euro program. Now SC of CBE. Vice chair for Advisory Group to the Commission for Food, Agriculture, Fishery, Forestry and Biotechnology, FP7. Chair of Expert Panel on Skills needs in Europe for the Biobased Economy; Member of the Expert Panel for evaluation of the 6th Framework Program; Member of expert panel for evaluating the EU Bioeconomy Strategy 2012. Member, French National Research Agency.

International Advisory Boards, Chairmanships (selected items only)

Chairman of the International Advisory Board of BIOTEC, Thai National Research Institute of Biotechnology; Chairman for Board of Trustees for the International Wheat and Maize research Institute, CIMMYT, Mexico (with global presence and mandate for wheat and maize research). Programme Chair, Board of Trustees for International Rice Research Institute, IRRI, the Philippines, global presence and global mandate for rice research. ExCo-member of Borlaug Global Rust Initiative BGRI; IAB member of NSTDA, advising Thai government, Science and Technology; Member of the