

CV Dr. Thomas Lübberstedt

1204 Agronomy Hall; Department of Agronomy Iowa State University; Ames, IA, 50011;
ThomasL@iastate.edu, phone 515-294-5356, fax 515-294-3163

PROFESSIONAL EXPERIENCE

2010– **Professor, K.J. Frey Chair in Agronomy, Director of R.F. Baker Center for Plant Breeding** Iowa State University, Department of Agronomy

2007–2010 **Associate Professor, K.J. Frey Chair in Agronomy, Director of R.F. Baker Center for Plant Breeding** Iowa State University, Department of Agronomy

2001–2007 **Senior Scientist** – Danish Institute of Agricultural Sciences, Department of Genetics and Biotechnology

2000-2001 **Heisenberg Fellowship** – Technical University of Munich

1993-2000 **Post Doc, Assistant Professor** - University of Hohenheim, Institute of Plant Breeding, Seed Science and Population Genetics, Stuttgart.

1989-1993 **Research Assistant** - University of Munich, Botanical Institute.

EDUCATION

1993-1999 **Habilitation – Plant Breeding and Biotechnology**, University of Stuttgart-Hohenheim (D): Genetic Analysis of Yield and Resistance Traits in European Maize

1989-1993 **Dr. rer. nat - Biology**, University of Munich (D): The Promotor of the Spinach (*Spinacia oleracea*) Plastocyanin Gene

1986-1989 **University Diploma Degree – Agronomy (Horticulture)**, University of Hannover (D): Molecular Markers and their Significance for Plant Breeding

1984-1986 **Undergraduate Program - Agronomy**, Technical University of Munich (D)

SCIENTIFIC EXPERIENCES & SERVICES

Iowa State University (ISU), member of: Plant Sciences Institute (PSI) Council, Plant Genomics Center, Interdepartmental Graduate and PhD program for Genetics

Coordinator and Principal Investigator for different international (EU, EUREKA) & national (Germany, Denmark, USA) projects (Europe: before 2008); Coordinator of the Plant Breeding module within Plant Biotech Denmark (<http://www.plant-biotech.dk/>): 2006-2007

Teaching and supervision (Master and PhD students, Post Docs) at University of Hohenheim, Technical University of Munich, KVL Copenhagen, Universities of Kiel & Århus (1990-2007), Iowa State University (2007-): courses in Molecular Plant Breeding, Crop Genetics

Director Distance MS program in plant breeding, ISU; **Founder** Doubled Haploid Facility, ISU **Associate Editor** for Theoretical and Applied Genetics, BMC Plant Biology, Molecular Biotechnology, Plant Breeding, and Grassland Research; **Book Editor:** Diagnostics in Plant Breeding (2013); **Reviewer** for various peer-reviewed journals, funding agencies, and institutions; **Organizer** of conferences (EUCARPIA Forage and Turf Crop Conference 2007, Denmark; Biannual Plant Breeding Lecture Series, ISU, 2008 and 2012)

Member of Faculty of Agriculture, University of Hohenheim (2000-2007), Adjunct Professor at University of Hohenheim (2006-2007); “Gesellschaft für Pflanzenzüchtung”, Germany; National Association of Plant Breeders (NAPB), USA; MaizeGDB working group; Past Chair of Plant Breeding Coordinating Committee, USDA; CiBREED scientific board, University of Göttingen

AWARDS: Heisenberg fellowship, Germany (2000-2001); JSPS fellowship, Japan (2009); Adjunct Professorship China Agricultural University, Beijing (2010-); Research Professorship at University of Aarhus (2013); Plant Sciences Institute fellow, ISU (2015-)

GERMPLASM: Haploid Inducers adapted to Midwest U.S.; BGEM inbred lines with USDA-ARS **WORKING AREAS:** Application and development of tools and methods provided by genome analysis to understand composition of complex traits and phenomena, to determine and exploit genetic diversity in elite and exotic germplasm, and apply this knowledge to plant breeding. Crop focus is on maize and perennial grasses. Most current activities are on acceleration of plant breeding, and utilization of genetic resources using DH technology.