Personal Data: Born October 22, 1963; Married; Five children

University Address

Nucleic Acid Center
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University Education:
Cand. scient.: Odense University (Chemistry/Biology; December 1988)
Ph.D.: Odense University (January 1992): "Synthesis of 2',3'-Dideoxynucleoside Analogues with Potential Activity against HIV"

Research Fellow: Department of Chemistry and Biochemistry, University of Colorado, USA (October 1990 - June 1991)

Assistant Professor: In organic chemistry at Department of Chemistry, Odense University (September 1991 - March 1994)

Associate Professor: In organic chemistry at Department of Chemistry, Odense University (April 1994 - September 1996)

Professor In bioorganic chemistry at Department of Chemistry, University of Copenhagen (October 1996 - July 2000)
In organic chemistry at Department of Chemistry, University of Southern Denmark, Odense (August 2000 -)

Present Research:
Bioorganic chemistry; nucleic acid biotechnology; Nanobioscience

Editorial Board Member:
Oligonucleotides (Mary Ann Liebert). Artificial DNA: PNA & XNA (Landes BioScience)
Publications:
Author or co-author of 307 research papers in peer-reviewed scientific journals.H-Index = 46; Citations > 8.300 (SCI: Wengel J*; first publication in 1989)
Lectures and Seminars:
More than 120 invited lectures and seminars have been presented during the last 10 years in Denmark and abroad

IPR and Innovation:
Inventor or co-inventor on more than ten patents and patent applications. Co-inventor of the LNA (Locked Nucleic Acid) technology that forms the basis of the business activities of the companies Exiqon A/S (~60 employees) and Santaris Pharma A/S (~70 employees). Co-founder (2006) of RiboTask ApS.

Honors and Awards:
- Elected member of the Royal Danish Academy of Sciences and Letters;
- Elected member of the Danish Academy of Natural Sciences;
- Elected member of the Danish Academy of Technical Sciences;
- Natural Science Faculty Teaching Award, Odense University, 1995;
- Bjerrum-Brøndsted-Lang Lecturer, 1997;
- Parker-Davis Lecturer, Ohio State University, 2000;
- Biochemistry Teaching Award, University of Copenhagen, 2000;
- The Bjerrum Chemistry Award, 2001;
- The Lundbeck Foundation's Research Prize for Young Researchers, 2002;
- The Danish Academy of Natural Sciences Industry Award, 2002;
- The UCB Award for Excellence in Medicinal Chemistry 2004;
- Villum Kann Rasmussen Grant for Technical Research 2005;
- OBC Lecture Award Winner 2006;
- The Danish Association of Masters and PhD Research Award 2007;
- The Ib Henriksen Foundation Research Award 2008

Major Research Funding since 2001:
- ERC Advanced Grant
- EVOLNA Evolution of LNA-based Aptamers (2011-2016; 2.5 mio.).

International Funds Partner in EU projects, local PI
- Pharmaco-Gene (LSHB-CT-2007-037283) - Design of Targeted Gene Pharmaceutics Using Self-assembling Functional Entities (2007-2010; 0.43 mio. share of funding);
- RIGHT (LSHB-CT-2004-005276) - RNA Interference Technology as Human Therapeutic Tool (2005-2008; 0.74 mio. share of funding);
- NAC-DRUG (MEST-CT-2004-504018) - Nucleic Acid Based Drug Design Training Center (2004-2008; 1.65 mio.);

Public Danish Funds Center Director and PI
- The Danish National Research Foundation: Nucleic Acid Center (2001-2011; 9.0 mio.)

Private Danish Funds PI
- VKR Fonden: Electronic Properties of DNA-Based Molecules - Single Molecule Nanoscience (2007-2010; 1.06 mio.);
- Lundbeckfonden: NanoCan Center - Nanomedicine research center for cancer stem cell targeting therapeutics (2009-2014; 0.70 mio. share of funding)

Administration:
- Member of the board, Department of Chemistry, Odense University (1991-1992 and 1996)

- Member of the board, The Danish Chemical Society: Organic Chemistry Section (1997-2000); Chairman of the board (1999-2000)
- Chairman of the board, Chemical Laboratory II, Department of Chemistry, University of Copenhagen (1998-2000)
- Director of the Nucleic Acid Center funded by the Danish National Research Foundation (2001-)
- Chairman of the board, RiboTask ApS (2006-)
- Member of the Leadership Group, Department of Physics, Chemistry and Pharmacy, University of Southern Denmark (2006-)
- Chairman of the research strategy board, Science Faculty, University of Southern Denmark (2011-)