

## Curriculum Vitae

Jan Oskar Jeppesen  
Department of Physics, Chemistry and Pharmacy



### POSTAL ADDRESS

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## PERSONAL INFORMATION

*Full Name and Year of Birth:* Jan Oskar Jeppesen, 1972, Denmark

*Nationality and Marital Status:* Danish, married with three sons born 2003, 2009 and 2011

## EDUCATION

*1988–1991:* High school in Esbjerg, Denmark

*Feb 1996:* BSc in Chemistry under the supervision of Professor Jan Becher (SDU, Denmark)

*1997–2001:* Preparation of a PhD in Supramolecular Chemistry under the supervision of Professor Jan Becher (University of Southern Denmark, Denmark) and Professor Sir J Fraser Stoddart (University of California at Los Angeles, USA), PhD degree awarded 3. December 2001

*May 1999:* Visiting PhD student at the Department of Applied Chemistry, University of Hiroshima, Japan in the group of Professor Kazuo Takimiya

*Sept 1999:* MSc in Chemistry

*1999–2000:* Visiting PhD student at the Department of Chemistry and Biochemistry, University of California at Los Angeles, USA with Professor Sir J Fraser Stoddart as supervisor

*Dec 2001:* PhD in Chemistry

## ACADEMIC CAREER

*Sep 2002:* Visiting researcher in the Supramolecular group of Professor Sir J Fraser Stoddart at the Department of Chemistry and Biochemistry, University of California at Los Angeles, USA

*Jan 2002–Jul 2003:* Research Assistant Professor at the Department of Chemistry, SDU, supported by Carlsbergfondet

*Aug 2003–Dec 2004:* Assistant Professor at the Department of Chemistry, SDU, supported by Carlsbergfondet and the Danish Natural Science Research Council (SNF, Steno project #21-03-0317)

*Jan 2005–Dec 2006:* Associate Professor at the Department of Chemistry, SDU, supported by the Danish Natural Science Research Council (SNF, Steno project #21-03-0317)

*Jan 2007–June 2008:* Associate Professor at the Department of Physics and Chemistry, SDU

*July 2008–present:* Professor at the Department of Physics, Chemistry, and Pharmacy, SDU

## **PATERNITY LEAVE**

After the birth of my three sons in 2003, 2009, and 2011 respectively, I had paternity leave for 12, 8, and 11 weeks, respectively, corresponding to a total of 31 weeks paternity leave

## **SUPERVISION**

Supervised 56 Bachelor Projects, 44 Masters Dissertations, 15 PhD Theses, 3 Guest PhD students, 3 Research Assistants, 10 Post Docs, and 36 Other Projects

## **OTHER ACTIVITIES**

2005–2009: “Skønsmand” for Østre Landsretsag B-0384-02 – Schering Corporation mod Hexal A/S

2007–present: Member of the American Chemical Society

2007–2013: Chairman for the Danish committee for developing a bibliometric quality indicator for scientific journals within the field of chemistry

2007–2013: Chairman (2008–2009) and member (2006–2013) of the educational committee (FKFUU) at the Department of Physics, Chemistry, and Pharmacy at SDU

2013–2016: Research leader (materials and environment) at the Department of Physics, Chemistry, and Pharmacy

2013–2018: Member of The Danish Council for Independent Research | Technology and Production Sciences (FTP)

2015–2018: Member of “Nationalt Udvalg for Forskningsinfrastruktur” (NUFI)

2016–2018: Member of the Executive Committee of The Danish Council for Independent Research | Technology and Production Sciences (FTP)

2017–2018: Vice-chairman for The Danish Council for Independent Research | Technology and Production Sciences (FTP)

2017–present: Section leader (synthetic chemistry) at the Department of Physics, Chemistry, and Pharmacy

2019–present: Monitor/reviewer for the FET-Open (Future and Emerging Technologies) project EFINEED #766853 funded by the European Union's H2020 programme for research and innovation.

## SCIENTIFIC REFEREEING OF PUBLICATIONS

*Adv. Funct. Mater., Angew. Chem. Int. Ed., Beil. J. Org. Chem., Chem. Commun., Chem. Eur. J., Chem. Pap., ChemPlusChem., Chem. Sci., Dyes Pigm., Eur. J. Inorg. Chem., Eur. J. Org. Chem., J. Am. Chem. Soc., J. Org. Chem., J. Phys. Chem., Macromolecules, Langmuir, New J. Chem., Organometallics, Org. Biomol. Chem., Org. Lett., Phosphorus, Sulfur Silicon Relat. Elem., Pure Appl. Chem., RSC Advances, Small, Supramol. Chem., Tetrahedron, and Tetrahedron Lett.*

## GRANTS

2002: Carlsberg stipend (DKK 402,362) “Funktionelle materialer baseret på pyrrolo-tetrathiafulvalen derivater”

2003: Carlsberg stipend (DKK 443,055) “Funktionelle materialer baseret på pyrrolo-tetrathiafulvalen derivater”

2004: Grant from Møllerens Fond (DKK 43,500) “Spektro-elektrokemisk udstyr og opgradering af det eksisterende elektrokemiske udstyr”

2004–2006: Steno-stipendium (DKK 1,951,237) from the Danish Natural Science Research Council (SNF, project #21030317) “Molecular and Supramolecular Machines, Switches, Devices, and Sensors Based on Tetrathiafulvalene”

2006–2008: Young Researchers (DKK 2,718,600) from the Danish Strategic Research Council (project #2117-05-0115) “Functional Devices Derived From Tetrathiafulvalenes”

2006–2010: Part of a Marie Curie Network (DKK 1,931,420) funded by the European Union under the Sixth Framework Program (Contract Number MRTN-CT-2006-035859) “Bio-inspired Approaches for Molecular Electronics” (Coordinator, Larry Luer, Politecnico di

Milano, Italy)

2007–2008: Grant from Rektor (SDU) to international collaboration (DKK 500,000), “Post Doc stipend”

2008–2019: 18 months Post Doc stipend (DKK 675,000) from the Villum Kann Rasmussen’s Foundation “Nanochemical Detection of Explosives”

2008–2011: Part of NABIIT Network (DKK 1,136,400) funded by the Danish Council for Strategic Research (project #2106-07-0031) “A strategic network on miniaturised sensors for explosives detection in air” (Coordinator, Anja Boisen, DTU, DK)

2008–2012: Part of a Marie Curie Network (DKK 1,996,502) funded by the European Union under the Seventh Framework Program “Fundamentals of Molecular Electronic Assemblies” (Coordinator, Martin Bryce, Durham University, UK)

2009–2011: Grant (DKK 500,000) from the Danish Natural Science Research Council (FNU, project #272–08–0578) “Molecular Movements”

2009–2019: Villum Kann Rasmussen Grant (DKK 2,000,000) for Natural and Technical Research

2010–2011: Equipment grant (DKK 222,255) from the Carlsberg Foundation for the purchase of a UV-Vis-NIR Spectrophotometer as co-applicant (main-applicant Kent A. Nielsen) “Investigation of Self-Assembled Artificial Systems”

2012–2016: Grant (DKK 4,687,896) from the Danish Natural Science Research Council (FNU, project #11–106744) “Unidirectional Molecular Motors”

2013: Post Doc stipend (DKK 531,326) from the Carlsberg Foundation for Karina R. Larsen as coapplicant (main-applicant Karina R. Larsen) “Molecular Sensors for Detection of Nitroaromatic Explosives”

2013–2017: Part of a Marie Curie Network (DKK 2,120,117) funded by the European Union under the Seventh Framework Program “MOLECULAR-SCALE ELECTRONICS: Concepts, Contacts and Stability” (Coordinator, Martin Bryce, Durham University, UK)

2016–2018: 24 months Post Doc stipend (DKK 1,100,000) from the Villum Kann Rasmussen’s Foundation “Molecular Muscles”

2016–2018: Individual Postdoctoral Grant (DKK 2,795,973) from the Danish Council for Independent Research | Technology and Production Sciences as co-applicant (FTP, project #5054–00052, main-applicant Steffen Bähring) “Development of new Tetrathiafulvalene-based Donor Constructs Utilizing Supramolecular Electron Transfer Processes – Towards Organic Photovoltaics”

2018–2020: International Postdoctoral Grant (DKK 1,446,379) from the Danish Council for Independent Research | Technology and Production Sciences as co-applicant (FTP, project #8027-00005A, main-applicant Gunnar Olsen) “Single Molecule Conductivity Sensing using Receptor Appended Organic Molecular Wires”

2019–2022: Grant (DKK 2,871,360) from the Independent Research Fund Denmark | Technology and Production (FTP, RP1-project #9041-00194A) “Development of a New Sensing Platform for Nitroaromatic Explosives”

2019–2023: Grant (DKK 6,170,400) from the Independent Research Fund Denmark | Natural Sciences (FNU, RP2-project 9040-00169A) “Molecular Machines Made to Order”

## **AWARDS**

2003: Familien Hede Nielsen (HN) Prize (DKK 400,000) for outstanding scientists for work in synthetic organic chemistry and molecular electronics

2009: Villum Kann Rasmussen Prize (DKK 2,500,000) for Natural and Technical Research

2009: Aksel Tovborg Jensen Grant (DKK 3,000) and Bjerrum-Brøndsted-Lang Lecturer

2010: Torkil Holm Research Prize (DKK 50,000) for outstanding contribution to the synthetic and physical chemistry of functional molecular and supramolecular materials

2014: Ellen and Niels Bjerrum Chemistry Award (DKK 10,000) and gold medal for outstanding research in organic chemistry

2018: Knighted by the Queen of Denmark (Ridder af Dannebrogordenen)

## **SUMMARY OF LECTURES**

26 lectures to international symposia and conferences

17 lectures to national symposia and conferences

27 popular scientific lectures in Denmark

## **SUMMARY OF PUBLICATIONS**

108 research articles in international peer-reviewed journals, including 6 publications in *Angew. Chem. Int. Ed.* and 16 publications in *J. Am. Chem. Soc.* and front/inside cover publications in *Appl. Phys. Lett.*, *Chem. Commun.*, *Chem. Eur. J.*, *ChemPhysChem*, *Chem. Science*, *Chem. Soc. Rev.*, and *Eur. J. Org. Chem.*

3 book chapters

6 proceedings

3 public outreach activities

2 other publications

4 patents and patent applications

According to the Web-of-Science Citation Index, ~7200 citations (October 2019) have been achieved in the period 1999–present with an h-index of 41 and an m-index of 2.1