

CV, Kasper Planeta Kepp

Professor MSO, Technical University of Denmark, DTU Chemistry

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[Google Scholar](#)

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[Publons](#)

Personal information

Born 23/7 1975. Citizenship: Danish. 2 children (9 and 11 years), married. Lives in Copenhagen.

Education

11.2000 to 10.2004

Ph.D., Lund University. Defending date: Oct. 29, 2004.

09.1997 to 10.2000

M.Sc. in chemistry, Copenhagen University.

09.1994 to 07.1997

B.Sc. in physics, B.Sc. in chemistry, Roskilde University (RUC).

Work

09. 2016 –

Professor MSO, DTU Chemistry

01. 2012 to 08.2016

Associate Professor, DTU Chemistry

01.2009 to 12.2011

FNU Steno Fellow (Associate Professor), DTU Chemistry.

09.2007 to 12.2007

Visiting Scholar, Stanford University.

01.2007 to 12.2008

VKR fellow, DTU Chemistry.

01.2005 to 12.2006

EMBO long-term postdoc fellow, Yale University.

Family leaves

Total 24 weeks. Dec 1–14 2009; Aug–Oct 2010; Nov 10–24 2011; July 30–Sep 2 2012; April 16–May 21 2018.

Professional experience

1. Reviewer for international journals (~20/year), >130 reviews for ACS since 2007.
2. Course teaching: Coordination Chemistry 26124 at DTU (~65 students) and Fundamental Chemistry 26028, DTU (~140 students), Fundamental Chemistry for General Engineering, 26030 (150 students), 50% Modern Electronic structure Methods in Chemistry, 26263 (10 students).
3. Consultancy for World Anti-Doping Agency 2008–2010
4. Boards: a) MC member, EU COST action ECOSTBio, 2012–; b) Code of Conduct representative 2017–; c) Lecture Hall Technology DTU wide 2018–; d) DTU Board of Information Security, 2009–2015; e) President, Yale Nordic Soc. 2005–2006.
5. Ca. 18 invited talks at conferences and 70 other presentations (talks and posters at meetings).
6. Reviewer, book proposals and national science foundations (UK, Austria, ERC consolidator).

Prizes and awards

National Young Elite Researcher Prize from DFF, 2009.

Steno Stipend, FNU (Danish Research Council), 2008.

EMBO Long Term Fellow, 2005–2006.

Novo Nordisk Scholarship Award for M.Sc. studies, 2000.

Communication skills / teaching

Nominated Best teacher of the Year, DTU 2013, 2014, 2015.

Fund raising as head applicant (~21M DKK as head applicant)

Research grant, DFF: “Development of an Accurate (½ kcal/mol) Protein Stability Calculator”, 2018.

Research grant, NNF: "Predicting Clinical Outcome of Mutations in Alzheimer's disease", 2017.
Research grant, DFF: "Clinical-Chemical Relationships and Recipes for γ -Secretase Modulators", 2017.
Research grant, FNU: "Zinc and copper sites in Alzheimer's disease", 2013.
Research grant, FTP: "Rational Evolution of Superstable Laccases", 2010.
Steno Stipend, DFF, 2009-2011.
Stanford visiting scholar grant, DFF, 2007.
VKR Postdoctoral Fellow 2007-2008.
Three grants, Danish Center for Scientific Computing, 2007-2012.

Funding as co-applicant

2019: NNF Infrastructure grant; main PI: Prof Birgit Schiøtt, Aarhus University. 6.5M DKK
2015: FTP project on laccases (main PI: Prof. Anne Meyer, DTU Chem. Engineering, 2015). 6M DKK
2010: Strategic research Council project (main PI: Prof. Jørn D. Mikkelsen, DTU), 20M DKK.

Innovation: Patents

"A mutant sialidase having trans-sialidase activity for use in production of sialylated glycans",
WO2014167112, PCT/EP2014/057422 filed 16.10 2014. US patent # 20160076013, 2016.

Project leadership

~102 corresponding author papers, ~21M DKK direct funded project leadership, incl. budget planning, application, recruiting, budget control, and scientific leadership of all projects. *Co-management*: 26M DKK (Strategic Research Council, FTP) and EU-COST action (ECOSTBio).

Funded research efficiency

~70 corresponding author papers from direct funding, i.e. 3½ papers published per 1 M DKK funded.

International relationships

Postdoc at Yale and Stanford (W. L. Jorgensen and E. I. Solomon). MC member, ECOSTBio (head: prof. Marcel Swart); international-level consultancy (WADA); international collaborators include E. Shakhnovich (Harvard), Li Ji (Zhejiang University, China), and Tom Blundell (Cambridge).

Group leadership / Supervision

Successfully finished: 5 postdoc, 3 Ph.D., 6 M.Sc., 11 B.Sc, 10 undergrad projects. Current: 1 postdoc, 2 M.Sc. students, 1 B.Sc. student.

Publications and citations

128 full-length international publications (125 articles and 3 book chapters) with peer review.
102 corresponding author, 58 first-author) H-index: Publons: 34, Google Scholar: 39
Citations: 4400 ([WoS/Publons](#)), 5500 ([Google Scholar](#)). 9 of 10 top-cited papers as first-author.