

Curriculum Vitae

Søren Vrønning Hoffmann

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Born 29th of July 1969 in Odense

Nationality: Danish

Professional Preparation:

1994: Master of Science in Physics, University of Aarhus, Denmark

1996: Ph.d. in Physics (Surface Science), University of Aarhus, Denmark. Thesis title: *Some geometrical and catalytic aspects of alkali metal adsorption.*

Appointments:

1996-2010: Beamline Scientist at Institute for Storage Ring Facilities (ISA), University of Aarhus, Denmark.

2011-: Senior Researcher at the Faculty of Science and Technology, Aarhus University, Denmark. Affiliated with ISA. Head of beam lines.

Training and Scientific achievements:

1996-:	Continued research in Surface Science in collaboration with both Danish and European users of the Surface Science beamlines at ASTRID.
1996-1997:	Received training in optical design of synchrotron radiation beamlines at the Advanced Light Source (ALS), Berkeley, California and the National Synchrotron Light Source (NSLS), Brookhaven, New York.
1997-1998:	Development of the SGM2 beamline used for Prof. D. Fields high resolution, low energy electron scattering experiment. Beamline successfully commissioned in October 1998.
1998-1999:	Development of the SGM3 beamline used for Lektor Phillip Hofmanns Angle Resolved Photoemission Spectroscopy (ARPES) experiment. Successfully commissioned in February 2000.
1999-2000:	Development of the UV1 beamline used for photo absorption spectroscopy, and Circular/Linear Dichroism (CD/LD) spectroscopy. Beamline successfully commissioned in September 2000.
2001:	Change of Scientific focus from Surface Science to photo absorption Spectroscopy on gasses (mostly of atmospheric interests) mainly in collaboration with Prof. Nigel Masons group at UCL, London, UK.
2003:	Change of scientific focus to Synchrotron Radiation Circular Dichroism (SRCD) spectroscopy in collaboration with many Danish and European users of the ASTRID SRCD facility.
2005-2007:	Development of the CD1 beamline dedicated for the use of Circular/Linear Dichroism (CD/LD) spectroscopy. Beamline successfully commissioned in June 2007. Supported by The Carlsberg Foundation and The Lundbeck Foundation.
2007-:	Development of the first Synchrotron Radiation Couette Flow cell LD experiments worldwide. Research on protein fibrillation and lipid membrane-protein interactions is ongoing. Supported by a grant from Danish Council for Independent Research Natural Sciences (FNU) 2008-2010 and by a grant from the Lundbeck Foundation (2008-2010).
2009-:	In charge of construction and migration of beamlines for the new high brilliance synchrotron radiation storage ring ASTRID2 funded through the National Programme for Research Infrastructure.
2014	Four beam lines at ASTRID2 in full operation, including two for CD spectroscopy.
2015	Build-up of the high flux undulator AMOLine beam line on ASTRID2. Development of stopped flow SRCD capabilities at ASTRID2
2016	Successful commissioning of AMOLine.
2017	Design of a new micro-beam spot beam line, AU-SGM4
2018	Build-up of the AU-SGM4 beam line. Awarded guest professorship in Nice, France.
2019	Guest professor in Nice, France for 5 weeks during February, March and April.
2020	H2020 application for Molecular-scale Biophysics, MOSBRI, as co-leader (lead Institut Pasteur). Invited for Grant Agreement preparation in November. Grant Agreement number 101004806
2021-25	TNA manager for MOSBRI.
2023-	Director of ISA

Publications:

So far, more than 250 peer-reviewed papers in international journals.

Committee memberships:

DISCO beamline committee, Synchrotron SOLEIL, France

External referee on the B23 CD beamline at the Diamond Light Source Ltd, U.K.

Grant proposal reviewer for the British BBSRC and EPSRC

Beamline committee member for the new SRCD beamline at ANKA

Advisory committee member for the 'Protein Circular Dichroism Data Bank' (PCDDDB).

Management committee member of COST action MOBIEU (biophysics in Europe) and WG5 (Transnational access) leader.

Grant proposal reviewer for the British BBSRC and EPSRC

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