

CV

Curriculum Vitae for Jørgen Kjems

Work address: Department of Molecular Biology and Genetics,
Interdisciplinary Nanoscience Center iNANO University of Aarhus
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Academic Degrees:

1986MSc (Cand.scient., Chemistry and Physics), University of Aarhus.
1989PhD (Lic.scient., Chemistry), University of Aarhus.

Appointments:

2017-Director of CellPat, Danish National Research Council Centre of Excellence
2013-2018Director of iNANO
2012-2014Chair of iNANO PhD School
2010-Founder of Nanoferece and chair of advisory committee
2010-2016Director of Lundbeck Nanomedicine Centre "LUNA"
2009-Danish delegate at EMBC and EMBL council
2009-2012 Deputy Chair of iNANO
2007-2012 Member of Danish Research Council (FNU)
2003 - Full professor in Molecular Biology and Nanoscience (same place)
1994 - 2003 Associate professor at Department for Molecular Biology, Aarhus University
1992 - 1994 Post doctoral position at Department for Molecular Biology, Aarhus University.
1990 - 1992 Post doctoral fellow at MIT, Massachusetts, USA. (P.A. Sharp lab)
1989 - 1990 Post doctoral fellow at Harvard Medical School, Boston, USA

Leadership of major network:

Director of Danish National Research foundation Centre of Excellence: Cellular Signal Patterns (CellPat) (2017-2023)
Director of iNANO (2013-2018) – a interdisciplinary nanoscience center with 48 VIPs, 90 postdocs 120 PhD students.
Director of Lundbeck Nanomedicine center: Individualized management of tissue damage and regeneration (2010-16)

Awards:

1996 AIDS prize from The Danish AIDS foundation, 2007 Danish Academy of Natural Sciences's Industrial prize, 2009 Dansk Magisterforenings Forsker og Formidlingspris, 2009 Best science in Denmark 2009 (Ingeniøren – for DNA nanobox), 2009 Best science in 2009 (Politiken–DNA nanobox), 2012 Order of the Dannebrog, 2018 Novo Nordisk Prize

International relations – current EU networks:

H2020 MARIE SKŁODOWSKA-CURIE ACTIONS Innovative Training Networks (ITN): circRNA biology Training Network: from biogenesis to biomarker (circRTrain) 2016-2021
H2020 JPND network (RNA NEURO) 2018-2021
EU H2020. General-purpose virus-neutralizing engulfing shells with modular target-specificity (VIROFIGHT) 2020-2023
EU H2020. A Personalised Living Cell Synthetic Computing Circuit for Sensing and Treating Neurodegenerative Disorders (PRIME) 2021-2024

Research competencies: RNA and DNA nanotechnology, non-coding RNA, RNA delivery systems and therapeutic applications, bioimaging, NGS sequencing and bioinformatics, gene expression regulation, aptamers, biomarkers, stem cell differentiation, tissue engineering, extracellular vesicles.

Supervision:

60 PhDs, 25 M.Sc. (all successfully defended)

Publications: 400+ international publications and patents, ca 37.000 citations, H-index 90
Highly cited scientist in 2021 (among the top 1% most cited in the field and year in the Web of Science™)
See <https://scholar.google.com/citations?user=KpSVG0sAAAAJ&hl=da> for full listing
Author of 20 patents (issued and filed).