

Curriculum Vitae

Personal data:

Full name: Jens Vilstrup Johansen
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Education:

1991-1994 Niels Steensens Gymnasium (high school)
1995-2000 B.Sc. in Chemical Engineering at the Technical University of Denmark, (DTU), Denmark.
1998 Practical work at University of New South Wales, Sydney, Australia.
2001 Introductory course in bioinformatics, DTU, August-December.
2003-2005 M.Sc. in Bioinformatics at the Bioinformatics Centre, University of Copenhagen (KU), Denmark.
2008/2009 Visiting student (5 months). Department of Biostatistics, The University of Texas, M. D. Anderson Cancer Center. Houston, Texas, USA

Employments:

2002 Bioinformatics trainee at Nordic Bioscience A/S, January-December.
2003-2004 Student job, Research assistant, Department of Oral Diagnostics, KU.
2005-2006 Research assistant, Department of Clinical Biochemistry, Rigshospitalet, KU.
2006- Research assistant, The Bioinformatics Centre & BRIC, KU

Practical skills:

Programming experience in: R, Perl, MATLAB, C++, Java, Turbo Pascal and unix/linux.

PhD-courses:

Advanced methods in Bioinformatics (NN, SVM & Bayesian Networks)
Statistics for Bioinformaticians
PASCAL bootcamp in machine learning, 2007.
Bioinformatics in Mass Spectrometry based Proteomics, June 19-21 2007. (HUPO course)

References:

Name: Anders Krogh
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Publications:

Jarid1b targets genes regulating development and is involved in neural differentiation. Schmitz SU et al. EMBO J. 2011 Oct 21. doi:10.1038/emboj.2011.383. [Epub ahead of print] PubMed PMID: 22020125.

A genetic screen identifies BRCA2 and PALB2 as key regulators of G2 checkpoint maintenance. Menzel T et al. EMBO Rep. 2011 Jul 1;12(7):705-12.

MMSET is highly expressed and associated with aggressiveness in neuroblastoma. Hudlebusch HR et al. Cancer Res. 2011 Jun 15;71(12):4226-35.

TET1 and hydroxymethylcytosine in transcription and DNA methylation fidelity. Williams K et al. Nature. 2011 May 19;473(7347):343-8.

The histone methyltransferase and putative oncoprotein MMSET is overexpressed in a large variety of human tumors. Hudlebusch HR et al. Clin Cancer Res. 2011 May 1;17(9):2919-33.

JARID2 regulates binding of the Polycomb repressive complex 2 to target genes in ES cells. Pasini D et al. Nature. 2010 Mar 11;464(7286):306-10.

RSK is a principal effector of the RAS-ERK pathway for eliciting a coordinate promotile/invasive gene program and phenotype in epithelial cells. Doehn U et al. Mol Cell. 2009 Aug 28;35(4):511-22.

The histone demethylases JMJD1A and JMJD2B are transcriptional targets of hypoxia- inducible factor HIF. Beyer S et al. J Biol Chem. 2008 Dec 26;283(52):36542-52

Prediction of fat oxidation capacity using 1H-NMR and LC-MS lipid metabolomic data

combined with phenotypic data. Pers et al. Chem. Intel. Lab. Sys. 2008.

The chloride channel inhibitor NS3736 [corrected] prevents bone resorption in ovariectomized rats without changing bone formation. Schaller S et al. J Bone Miner Res. 2004 Jul;19(7):1144-53.
Erratum in: J Bone Miner Res. 2004 Aug;19(8):1378.

Teaching:

“Applied bioinformatics”. Spring 2007.

“Bioinformatics of high throughput analyses”. Spring 2008-2010.