

CV Jens Kleinjung

Dr. Jens Kleinjung
Computational Molecular Science
The Francis Crick Institute
jens.kleinjung@crick.ac.uk

Scientific Expertise

- protein sequence and structure analysis
- transcriptomics data analysis
- discrete state models
- molecular simulations
- allostery
- molecular interaction networks

Professional Vita

- **since 04.2015** Senior Investigator Scientist, The Francis Crick Institute, London, U.K.
- **10.2005-03.2015** Senior Investigator Scientist, National Institute for Medical Research, London, U.K.
- **12.2002-09.2005** Assistant Professor of Bioinformatics, Vrije Universiteit, Amsterdam, The Netherlands
- **01.1998-11.2002** Postdoctoral Research Fellow, National Institute for Medical Research, London, U.K.
- **12.1996-11.1997** Postdoctoral Research Fellow, LCPM-CNRS, Nancy, France
- **04.1996-11.1996** Research assistant, RWTH Aachen University, Germany
- **10.04.1996** Dr. rer. nat. (PhD Chemistry), RWTH Aachen University, Germany
- **01.10.1992-01.04.1996** PhD thesis (Chemistry) ‘Insulin-receptor interactions’, RWTH Aachen University, Germany
- **01.01.1992-30.06.1992** Diploma thesis (Chemistry) ‘Phosphorylated Insulins’, RWTH Aachen University, Germany
- **08.1985-12.1991** Studies in chemistry and biology, RWTH Aachen University, Germany

Awards & Grants

- **2010/2012** EMBO long-term fellowship (ALTF 651-2009) to host Dr. J. Baussand
- **2008/2009** European Science Foundation grant of the programme “Frontiers in Functional Genomics” to host Dr. J. Baussand
- **2008-2010** EU project ProtFlexPred (Proposal N° 220256) of the programme “Marie-Curie Intra-European Fellowships for Career development” (Call identifier: PEOPLE-2007-2-1-IEF) to host Dr. A. Pandini
- **2007/2008** European Science Foundation grant of the programme “Frontiers in Functional Genomics” to host Dr. A. Pandini
- **2004** JSPS Invitation Fellowship (6 weeks) for collaborative research at the Global Scientific Information and Computing Center (GSIC), Tokyo with Dr. M. Ota; GRID application of fast protein folding simulations
- **1995-1997** Research grant (2 years) ‘Synthesis of Phosphorylated Insulins’ from German Research Ministry (DFG)
- **1992-1995** PhD stipend (4 years) of the Land Nordrhein Westphalia for outstanding students

Talks & Lectures

- **11.03.2014** Crick Symposium on Quantitative Biology; ‘Signal Transduction in Protein Structures’
- **20.11.2013** BOKU University Wien, Austria; ‘Signal Transduction in Protein Structures’
- **15.10.2012** Radboud University Nijmegen, The Netherlands; ‘Functional Analysis of Proteins via Structural Alphabets’
- **05-06.2011** Guest professorship at the ETH Zürich, Switzerland; Group of Prof. W.F. van Gunsteren (computer-aided chemistry)
- **05.2010** German Research School for Simulation Sciences, Forschungszentrum Jülich, Germany; Course ‘Introduction to Bioinformatics’ (invitation by P. Carloni), 10 lectures and 3 tutorials
- **05.2009** SISSA International School for Advanced Studies, Trieste, Italy; Course ‘Introduction to Bioinformatics’ (invitation by P. Carloni), 10 lectures and 3 tutorials
- **03.2009** University of Liverpool, Liverpool, U.K.; ‘Algorithmic Approaches for Protein Structure Analysis and Design’

- **11.2008** King’s College, London, U.K.; ‘Alignment Methods for Protein Modelling and Design’
- **09.2008** University of Cagliari, Cagliari, Italy; ‘Principles of Biological Sequence Alignment’
- **06.2005** Università degli Studi di Milano, Milano, Italy; ‘Unified Sequence and Structure Alignment’
- **02.2005** Zentrum für Bioinformatik, Hamburg, Germany; ‘Unified Sequence and Structure Alignment’
- **02.2005** CEINGE Institute, Napoli, Italy; ‘Flexible Sequence and Structure Alignment Using Constraints’
- **01.2005** Groningen Bioinformatics Centre, Groningen, Netherlands; ‘Flexible Sequence and Structure Alignment Using Constraints’
- **08.2004** Quantum Bioinformatics Group, Nara, Japan; ‘New Algorithms for Biological Sequence Analysis’
- **08.2004** National Center of Genetics, Mishima, Japan; ‘New Algorithms for Biological Sequence Analysis’
- **07.2004** Yokohama City University, Yokohama, Japan; ‘Recent Progress in Protein Molecular Dynamics Simulations’
- **11.2003** Biotechnologia 2003, Havana, Cuba; ‘Contact-based Sequence Alignment’
- **09.2001** Biophysical Chemistry 2001, Royal Society of Chemistry, London, U.K.; ‘Unfolding Simulations Using Leap-dynamics’
- **02.2001** BBSRC Bioinformatics Grantholders’ Workshop, Hinxton, U.K.; ‘Quest: Iterative Sequence Searching’

Other Professional Activities

- Academic editor of Scientific Reports
- Academic editor of PLoS ONE
- Reviewer for various research funding organisations

Publications

- on ORCID
- on Google Scholar

Programs & Servers

on GitHub