



Biosketch Christoph Cremer, January 26, 2012

1976 Ph.D. (Biophysics/Genetics), University Freiburg/Germany

1970-1983 Scientist Institute of Human Genetics, University Freiburg

1980-1983 Visiting Scientist Biomedical Sciences Divisions, Lawrence Livermore
National Laboratory, University of California

1983-present Professor University Heidelberg, Faculty of Physics & Astronomy

1992-present Co-director Interdisciplinary Center for Scientific Computing (IWR)
University Heidelberg

2002-present Adjunct Senior Staff Scientist, The Jackson Laboratory, Bar Harbor, ME

2005- 2007 Deputy Director Kirchhoff-Institute of Physics, University Heidelberg

2005-present Director Biophysics of GenomeStructure, Institute for Pharmacy and
Molecular Biotechnology (IPMB), University Heidelberg

1999- 2009 Member Senate, University Heidelberg

2006- 2009 2nd Speaker Senate University Heidelberg

2011-present Group Leader, Institute of Molecular Biology (IMB), Mainz/Germany

Research Interests

Biophysics of genome structure; radiation biophysics; laseroptical precision measurements of biostructures; light optical nanoscopy, e.g. 4Pi-microscopy, structured illumination microscopy, spatially modulated illumination microscopy, spectrally assigned localization microscopy achieving molecular optical resolution; biocomputing and virtual microscopy of nuclear genome structures.