

## Curriculum Vitae Dr. Claus-D. Kuhn

### Personal data:

Name: Dr. Claus-Dieter Kuhn  
Date of birth: July 19, 1978  
Nationality: German  
Family status: married, 2 children



### • CURRENT POSITION

Since 09/2014 Junior Group Leader within the Elite Network of Bavaria at the University of Bayreuth, URL: [www.kuhnlab.com](http://www.kuhnlab.com)

### • EDUCATION

10/2003 - 02/2008 PhD Student at the Gene Center of the Ludwig-Maximilians-University in Munich, in the Group of Prof. Dr. Patrick Cramer

08/2002 - 07/2003 Master of Science with a Major in Chemistry, Department of Biochemistry and Biophysics, Stockholm University, Sweden

10/1999 - 07/2002 Undergraduate Studies in Biochemistry at the University of Regensburg

### • PROFESSIONAL CAREER

03/2010 - 07/2014 Postdoctoral Fellow at Cold Spring Harbor Laboratory, NY, USA, in the Group of Prof. Dr. Leemor Joshua-Tor

10/2009 - 02/2010 X-ray crystallographer with Proteros Biostructures, Martinsried

03/2008 - 09/2009 Postdoctoral Fellow at Cold Spring Harbor Laboratory, NY, USA, in the Group of Prof. Dr. Leemor Joshua-Tor

### • SCHOLARSHIPS, AWARDS AND GRANTS

2016 Recipient of the **Paul Ehrlich- und Ludwig-Darmstaedter Nachwuchspreis**

2016 DFG Grant (Einzelantrag) on the "Role of neuronal eRNAs in transcription activation"

2014 Junior Group Leader within the Elite Network of Bavaria at the University of Bayreuth

2008 - 2012 Postdoctoral Fellowship from the **Jane Coffin Childs Memorial Fund for Medical Research**, Yale University Medical School, Yale, USA

2005 - 2008 Member of the Elite Network of Bavaria Graduate Programs 'Protein Dynamics in Health and Disease' and 'Nano-Biotechnology'

2008 Publication Award from the Center for Nanoscience, Ludwig-Maximilians-University Munich

2007	Römerprize from the Department of Chemistry and Biochemistry of the Ludwig-Maximilians-University Munich
2004 - 2006	<b>Kekulé Scholarship</b> from the Fund of German Chemical Industry (FCI)
1999 - 2003	Scholarship for highly gifted students from the Wilhelm-Narr-Foundation in Kirchheim/Teck

- **PUBLICATIONS**

1. Claus-D. Kuhn (2016). RNA flexibility governs tRNA function. *BioEssays* 38 (5), 465-73.
2. Dirk Kostrewa\*, Claus-D. Kuhn\*, Christoph Engel, and Patrick Cramer (2015). An alternative RNA polymerase I structure reveals a dimer hinge. *Acta Cryst. Section D* 71, 1850-1855. (\* contributed equally)
3. Claus-D. Kuhn, Jeremy E. Wilusz, Yuxuan Zheng, Peter A. Beal, and Leemor Joshua-Tor (2015). On-Enzyme Refolding Permits Small RNA and tRNA Surveillance by the CCA-Adding Enzyme. *Cell* 160, 1-15.
4. Claus-D. Kuhn and Leemor Joshua-Tor (2013). Eukaryotic Argonautes come into focus. *Trends in Biochemical Sciences* 38, 263-271.
5. Jeremy E. Wilusz, Courtney K. JnBaptiste, Laura Y. Lu, Claus-D. Kuhn, Leemor Joshua-Tor, and Phillip A. Sharp (2012). A triple helix stabilizes the 3' ends of long noncoding RNAs that lack poly(A) tails. *Genes and Development* 26, 2392-2407.
6. Elad Elkayam, Claus-D. Kuhn, Ante Tocilj, Astrid D. Haase, Emily M. Greene, Gregory J. Hannon, and Leemor Joshua-Tor (2012). The Structure of Human Argonaute-2 in Complex with miR-20a. *Cell* 150, 100-110.
7. Sebastian R. Geiger, Claus-D. Kuhn, Christoph Leidig, Jörg Renkawitz, and Patrick Cramer (2008). Crystallization of the RNA polymerase I subcomplex A14/43 by iterative prediction, probing, and removal of multiple flexible regions. *Acta Cryst. Section F* 64, 413-418.
8. Patrick Cramer, Karim J. Armache, Sonja Baumli, Stefan Benkert, Florian Brueckner, Claudia Buchen, Gerke E. Damsma, Stefan Dengl, Sebastian R. Geiger, Anja J. Jasiak, Anass Jawhari, Stefan Jennebach, Tomislav Kamenski, Hubert Kettenberger, Claus-D. Kuhn, Elisabeth Lehmann, Kristin Leike, Jasmin Sydow, and Alessandro Vannini (2008). Structure of Eukaryotic RNA Polymerases. *Annual Review of Biophysics* 37, 337-352.
9. Jochen Gerber, Alarich Reiter, Robert Steinbauer, Steffen Jakob, Claus-D. Kuhn, Patrick Cramer, Joachim Griesenbeck, Philipp Milkereit, and Herbert Tschochner (2008). Site specific phosphorylation of yeast RNA polymerase I. *Nucleic Acids Res.* 36, 793-802.
10. Claus-D. Kuhn, Sebastian R. Geiger, Sonja Baumli, Marco Gartmann, Jochen Gerber, Stefan Jennebach, Thorsten Mielke, Herbert Tschochner, Roland Beckmann, and Patrick Cramer (2007). Functional architecture of RNA Polymerase I. *Cell* 131, 1260-1272.
11. Shashi Bhushan, Claus-D. Kuhn, Anna-Karin Berglund, Christian Roth, and Elzbieta Glaser (2006). The role of the N-terminal domain of chloroplast targeting peptides in organellar protein import and miss-sorting. *FEBS Letters* 580, 3966-7.