Dr. Christoph W. Müller

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02/04/1960, Herrenberg, Germany

Joint Head of Unit and Senior Scientist

SCIENTIFIC VITA

1986	Diplom-Chemiker, Albert-Ludwigs-Universität Freiburg, Germany
1991	Ph.D. thesis in the laboratory of Prof. G.E. Schulz, University of Freiburg: "Wildtype and mutant structures of adenylate kinase from *Escherichia coli*."
1991	Postdoctoral Fellow at University of Freiburg, Germany, Advisor: Prof. G.E. Schulz
1992-1995	Postdoctoral Fellow at Harvard University, Cambridge, U.S.A. Advisor: Prof. S.C. Harrison
1995-2000	Group Leader, EMBL Grenoble Outstation
1997	Habilitation at the University Joseph Fourier, Grenoble, France
2000-2007	Senior Scientist and Deputy Head of the Outstation, EMBL Grenoble
Since 2007	Joint Head of the Structural and Computational Biology Unit, EMBL Heidelberg

AWARDS

2003	Steinhofer-Award of the Steinhofer Foundation, Freiburg University, Germany
2005	Member of the European Molecular Biology Organisation (EMBO)

COORDINATING FUNCTIONS

2000-2007	Deputy Head of the EMBL Grenoble Outstation
2002-2007	Member of the PSB Grenoble Steering committee
Since 2007	Joint Head of the Structural and Computational Biology Unit
Since 2007	EMBL representative in the Heidelberg Molecular Life Science (HMLS) council
Since 2007	Member of the EMBO course committee
Since 2008	INSTRUCT - Working group leader - light microscopy
Since 2009	Local coordinator of the research infrastructure project PCUBE

Reviewing activities for the following agencies/institutes: Aeres - France, DFG, Welcome Trust**,** MRC, Austrian Science Fund (FWF), HFSP, CNIO Madrid, IMBB Crete, PSI Villingen, Institute Pasteur, Nordic Partnership for Molecular Medicine

FIELDS OF INTEREST

Structural biology, X-ray crystallography, single-particle electron microscopy, transcriptional regulation, molecular machines, RNA polymerases, chromatin remodeling factors, transcription factors, nuclear transport.

CURRENTLY FUNDED PROJECTS

Infrastructure for Protein Production Platforms (PCUBE), Integrated Project 3D-Repertoire, EU Marie-Curie training fellowship, EMBO, INSTRUCT RTD project.

PUBLICATIONS (10 selected recent publications):

Fernández-Tornero, C., Böttcher, B., Rashid, U.J., Steuerwald, U., Flörchinger, B., Devos, D.P., Lindner, D., **Müller, C.W.** (2010). Conformational flexibility of RNA polymerase III during transcriptional elongation. EMBO J. 29, 3762-72.

Stirnimann, C.U., Petsalaki, E., Russell, R.B**., Müller, C.W.** (2010). WD40 proteins propel cellular networks. TiBS 35, 565-74

Morinière, J., Rousseaux, S., Steuerwald, U., Soler-López, M., Curtet, S., Vitte, A-L., Govin, J., Gaucher, J., Sadoul, K., Hart, D.J., Krijgsveld, J., Khochbin, S., **Müller, C.W.** & Petosa, C. (2009). Cooperative binding of two acetylation marks on a histone tail by a single bromodomain. Nature 461*,* 664-668*.*

Grimm, C., Matos, R., Ly-Hartig, N., Steuerwald, U., Lindner, D., Rybin, V., Müller, J. and **Müller, C.W.** (2009). Molecular recognition of histone lysine methylation by the Polycomb group repressor dSfmbt. EMBO J. 28, 1965-1977.

Hamès, C., Ptchelkine, D., Grimm, C., Thevenon, E., Moyroud, E., Gérard, F., Martiel, J.L., Benlloch, R., Parcy, F., **Müller, C.W.** (2008). Structural basis for LEAFY floral switch function and similarity with helix-turn-helix proteins. EMBO J. 27, 2628-37.

Fernandez-Tornero, C., Böttcher, B., Riva, M., Carles, C., Steuerwald, U., Ruigrok, R.W., Sentenac, A., **Müller, C.W.**, Schoehn, G. (2007). Insights into transcription initiation and termination from the electron microscopy structure of yeast RNA polymerase III. Mol Cell. 25, 813-23.

Mylona, A., Fernandez-Tornero, C., Legrand, P., Haupt, M., Sentenac, A., Acker, J. , **Müller, C.W.** (2006). Structure of the τ60/$\Delta\tau$91 subcomplex of yeast transcription factor IIIC: insights into pre-initiation complex assembly. Mol. Cell 24, 221-232.

Petosa, C., Patrice M., Baudin, F., Moulin, M. Artero, J.B., **Müller, C.W.** (2006). Structural basis of lytic cycle activation by the Epstein-Barr virus ZEBRA protein. Mol. Cell 21, 565-572.

Petosa, C., Schoehn, G., Askjaer, P., Bauer, U., Moulin, M., Steuerwald, U., Soler López, M., Baudin, F., Mattaj, I.W., **Müller, C.W.** (2004). Architecture of CRM1/Exportin1 suggests how cooperativity is achieved during formation of a nuclear export complex. Mol. Cell 16, 761-775.

Soler-Lopez, M., Petosa, C., Fukuzawa, M., Ravelli, R. , Williams, J.G., **Müller, C.W**. (2004). Structure of an activated *Dictyostelium* STAT in its DNA-unbound form. Mol. Cell 13, 791-04.