

Cover Page



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1 CURRICULUM VITAE

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Kathleen Lehmann was born on September 1st 1985 in Strausberg, Germany. In 2005 she finished secondary school with a university-entrance diploma (Abitur) awarded by the Herder-Gymnasium Minden, Germany. Afterwards, she went on to Bachelor studies in biochemistry at the University Bayreuth from where she graduated in 2008. To conclude her studies, she moved on to the University of Lübeck to graduate with a Master degree in molecular life science in early 2011. During the first year of this study program, she also worked as tutor for a student practical course in biochemistry and as postgraduate research assistant at the Department of Biochemistry under the supervision of Prof. dr. Holger Steuber. Subsequently, she spent the first half of her second year at two different institutes to complete internships, first at the University of Edinburgh at the Center for Infectious Diseases under the supervision of Dr. Amy Buck and then at the Max Planck Institute for Developmental Biology at the Department of Protein Evolution under the supervision of Dr. Jörg Martin. To conclude the study program, she performed her Master thesis research focused on SARS-CoV nonstructural proteins at the University of California, Irvine at the Department of Molecular Biology and Biochemistry under the supervision of Prof. dr. Michael Buchmeier. In February 2011, she joined the Marie Curie Initial Training Network EUVIRNA and started her doctoral research at the Department of Medical Microbiology of the Leiden University Medical Center under the supervision of Dr. Clara Posthuma, Prof. dr. Alexander Gorbalenya, and Prof. dr. Eric Snijder.

1 LIST OF PUBLICATIONS

2

3 **Kathleen C. Lehmann**, Lisa Hooghiemstra, Anastasia Gulyaeva, Dmitry Samborskiy,
4 Jessika C. Zevenhoven-Dobbe, Eric J. Snijder, Alexander E. Gorbalenya, and Clara C.
5 Posthuma. Arterivirus nsp12 versus the coronavirus nsp16 2'-O-methyltransferase:
6 comparison of the C-terminal cleavage products of two nidovirus pp1ab polyproteins
7 (submitted for publication)

8

9 **Kathleen C. Lehmann**, Anastasia Gulyaeva, Jessika C. Zevenhoven-Dobbe, George M. C.
10 Janssen, Mark Ruben, Hermen S. Overkleeft, Peter A. van Veelen, Dmitriy V. Samborskiy,
11 Alexander A. Kravchenko, Andrey M. Leontovich, Igor A. Sidorov, Eric J. Snijder, Clara
12 C. Posthuma, and Alexander E. Gorbalenya. Discovery of an essential nucleotidylating
13 activity associated with a newly delineated conserved domain in the RNA polymerase-
14 containing protein of all nidoviruses (submitted for publication)

15

16 **Kathleen C. Lehmann**, Eric J. Snijder, Clara C. Posthuma, Alexander E. Gorbalenya. What
17 we know but do not understand about nidovirus helicases; *Virus Res.* (in print)

18

19 Zengqin Deng, **Kathleen C. Lehmann**, Xiaorong Li, Chong Feng, Guoqiang Wang, Qi
20 Zhang, Xiaoxuan Qi, Lin Yu, Xingliang Zhang, Wenhai Feng, Wei Wu, Peng Gong, Ye Tao,
21 Clara C. Posthuma, Eric J. Snijder, Alexander E. Gorbalenya, and Zhongzhou Chen. Struc-
22 tural basis for the regulatory function of a complex zinc-binding domain in a replicative
23 arterivirus helicase resembling a nonsense-mediated mRNA decay helicase; *Nucleic*
24 *Acids Res.* 2014 Mar; 42(5):3464-77

25

26 Dong Han, **Kathleen C. Lehmann**, Gerhard Krauss. SSO1450 – a CAS1 protein from
27 *Sulfolobus solfataricus* P2 with high affinity for RNA and DNA; *FEBS Lett.* 2009 Jun 18;
28 583(12):1928-32

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