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Histone-DNA assemblies in archaea : shaping the genome on the edge of life

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CURRICULUM VITAE

Bram Henneman was born in Tilburg, the Netherlands on the 25th of August 1990. In 2008 he completed pre-university education (atheneum) at the Theresialyceum in Tilburg. In that same year, he started to attend the Bachelor's program Life Science & Technology at Delft University of Technology and Leiden University. As part of this program, he did an internship in the group of dr. Wiep Klaas Smits at the department of Medical Microbiology at the Leiden University Medical Center (LUMC). He received his Bachelor's degree in 2012. Between 2010 and 2011, Bram was a member of the 14th board of Study Association LIFE. He also represented Delft University of Technology and Leiden University as student ambassador between 2010 and 2013. In 2012, he enrolled in the Master's program Life Science & Technology at Leiden University, which he successfully completed in 2014. He went to the lab of dr. Remus Dame at the Leiden Institute of Chemistry at Leiden University and the lab of prof. dr. David Grainger at the University of Birmingham, United Kingdom, for internships. In 2015, Bram returned to the Dame lab for his PhD research, the results of which are presented in this thesis. In his spare time, Bram is a homebrewer and co-founder of brewery 'De Bierjuwelier'.

LIST OF PUBLICATIONS

Bram Henneman & Remus T. Dame, (2015) *Archaeal histones: dynamic and versatile genome architects*. AIMS Microbiology. doi: 10.3934/microbiol.2015.1.72

Bram Henneman, Clara van Emmerik, Hugo van Ingen & Remus T. Dame, (2018) *Structure and function of archaeal histones*. PLoS Genetics. doi: 10.1371/journal.pgen.1007582

Bram Henneman, Joost Heinsman, Julius Battjes & Remus T. Dame, (2018) *Quantitation of DNA affinity using Tethered Particle Motion*. In: Dame, R. (eds) Bacterial Chromatin. Methods in Molecular Biology vol 1837. Humana Press, New York, NY. doi: 10.1007/978-1-4939-8675-0_14

Bram Henneman, Thomas Brouwer, Clara van Emmerik, Ramon A. van der Valk, Amanda M. Erkelens, Monika Timmer, Nancy Kirolos, Hugo van Ingen, John van Noort & Remus T. Dame, *Mechanical and structural properties of archaeal hypernucleosomes*, submitted

Bram Henneman, Ramon A. van der Valk, Nancy Kirolos & Remus T. Dame, *Specific DNA binding of archaeal histones*, in preparation

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