



Universiteit
Leiden
The Netherlands

Computational, biochemical, and NMR-driven structural studies on histone variant H2A.B

Zhang, H.

Citation

Zhang, H. (2020, August 25). *Computational, biochemical, and NMR-driven structural studies on histone variant H2A.B*. Retrieved from <https://hdl.handle.net/1887/135944>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/135944>

Note: To cite this publication please use the final published version (if applicable).

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/135944> holds various files of this Leiden University dissertation.

Author: Zhang, H.

Title: Computational, biochemical, and NMR-driven structural studies on histone variant H2A.B

Issue Date: 2020-08-25

Curriculum Vitae

Heyi Zhang was born on April 16th 1990 in Wuxi, China. She completed her Bachelor in Bioengineering at China Pharmaceutical University. She then moved to Delft, the Netherlands to study Life Science and Technology at TU Delft, where she became a Master in Science and an Engineer. Soon after, she began her PhD research in the field of structural biology at Leiden University in the group of Dr. Hugo van Ingen with Prof. Dr. Marcellus Ubbink as promotor. From year 2017 to 2019, she followed Dr. Hugo van Ingen to Utrecht University where she completed the studies presented in this book.

Publications

- 1, **Zhang H**, Eerland J, Horn V, van Ingen H. The electrostatic potential of the nucleosome acidic patch. In preparation.
- 2, **Zhang H**, Lin Y, Lobbia V, Cojocaru V, Huertas J, van Ingen H. Structure and dynamics of the H2A.B variant nucleosome. In preparation.
- 3, **Zhang H**, Dubbeldam S, van Ingen H. Variant H2A.B-H2B histone dimer is more stable than the canonical dimer. Submitted.
- 4, Horn, V.; Uckelmann, M.; **Zhang, H.**; Eerland, J.; Aarsman, I.; le Paige, UB.; Davidovich, C.; Sixma, TK.; van Ingen, H. Structural basis of specific H2A K13/K15 ubiquitination by RNF168. *Nat Commun.* 2019, 10(1):1751.
- 5, **Zhang, H.**; van Ingen, H. Isotope-labeling strategies for solution NMR studies of macromolecular assemblies. *Curr. Opin. Struct. Biol.* 2016, 38, 75–82.