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Regulation of target proteins by small ubiquitin-like modifiers

Xiao, Z.

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List of Publications

1. Katharina F. Witting[#], ZY Xiao[#], Dris el Atmioui, Román González-Prieto, Fabricio Loayza-Puch, Reuven Agami, Alfred C.O. Vertegaal* and Huib Ovaa*. (2018) Ufmlylation—an emerging post-translational modification regulating protein synthesis. *In submission*.
2. S Munk[#], JO Sigurðsson[#], ZY Xiao[#], TS Bath, G Franciosa, L Stechow, AJ Lopez-Contreras, ACO Vertegaal* and JV Olsen*. (2017) Proteomics reveals global regulation of protein SUMOylation by ATM and ATR kinases in replication stress. *Cell Reports*. 10;21(2):546-558.
3. R Kumar[#], R González-Prieto[#], ZY Xiao[#], M Verlaan-de Vries and ACO Vertegaal*. (2017) The STUbL RNF4 regulates protein group SUMOylation by targeting the SUMO conjugation machinery. *Nature Communications*. 27;8(1):1809.
4. ZY Xiao, JG Chang, IA Hendriks, JO Sigurðsson, JV Olsen* and ACO Vertegaal*. (2015) System-wide Analysis of SUMOylation Dynamics in Response to Replication Stress Reveals Novel Small Ubiquitin-like Modified Target Proteins and Acceptor Lysines Relevant for Genome Stability. *Mol Cell Proteomics*. 14(5):1419-34.
5. XJ Hou[#], W Zhang[#], ZY Xiao, HY Gan, Chunsheng Han*. (2012) Mining and characterization of ubiquitin E3 ligases expressed in the mouse testis. *BMC Genomics*. 13:495.

[#], These authors contributed equally to the work

*, Corresponding author

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Curriculum Vitae

Zhenyu Xiao was born on December 24th, 1987 in Ningxiang, Hunan Province, P.R. China. In 2005, after finishing her high school education at Ningxiang No 1 High School, she started to study at University of Science and Technology, Beijing, majoring in biotechnology. She obtained her Bachelor's degree in 2009. Her GPA at University of Science and Technology, Beijing was very high and she was admitted as a master student of Developmental biology by Institute of Zoology, Chinese Academy of Sciences in 2009 without Graduate Entrance Examination. She received her Master's degree in 2013.

In 2013, she came to the Netherlands to start her PhD career under supervision of Prof. dr. A.C.O. Vertegaal, at the Molecular Cell Biology Department of Leiden University Medical Center. During her PhD training, the author had the chance to join the EU ITN Upstream, and presented her work in Europe, and established international collaborations with other institutes. The author will go back to China where she will continue her clinical and scientific research.

