



**TARA**

Life Science Center of  
Tsukuba Advanced Research Alliance

# TARA Seminar

15:00~, July 4th, 2017

Seminar room, Building A, TARA Center

**Dr. Wei Gu,**

Abraham and Mildred Goldstein Professor,  
Columbia University, U.S.A.



## The acetylation code for tumor suppression

The role of p53 acetylation can be thought of as a “code” that dictates the functional purpose of p53 by allowing a specific subset of downstream targets to be regulated by the p53 complex that possesses the corresponding “code”, which is represented by the combination of the acetylated lysine residues. The acetylation codes for regulating p53 metabolic targets are many and complex in nature; various acetylation statuses of p53 could permit such regulatory capacity, although it is unclear if there are differences in the effectiveness of each acetylation code, or disparity in the degree and context of occurrences for each acetylation code. In this lecture, Dr. Gu will provide an exciting topic regarding the acetylation code for tumor suppression.

Jiang L. *et al.* **Nature** 520, 57-62 (2016)

Ou Y. *et al.* **Proc. Natl. Acad. Sci. U.S.A.** 113, E6806-E6812 (2016)

Wang SJ. *et al.* **Cell Rep.** 17, 366-373 (2016)

Wang D. *et al.* **Nature** 538, 118-122 (2016)

Tavana O. *et al.* **Nature Med.** 22, 1180-1186 (2016)

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This seminar will be held as a part of classes

“World Science Leader’s Seminar” in Ph.D. Program in Human Biology

**University of Tsukuba**

