



TARA

Life Science Center of
Tsukuba Advanced Research Alliance

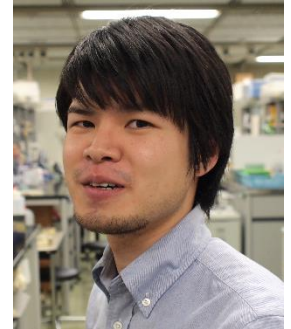
TARA Seminar

16:00~, June 5th, 2017

Seminar room, Building A, TARA Center

Dr. Jun-ichi Sakamaki

Cancer Research UK Beatson Institute,
Glasgow, UK



Beyond a cancer drug target: BRD4 as a master transcriptional repressor of autophagy

Autophagy is a catabolic process that delivers intracellular constituents and organelles to lysosomes for degradation. The precise control of suppression and de-repression of this process is essential as both excess and insufficient autophagy activation has been shown to be deleterious to cells. However, the detailed regulatory mechanisms controlling autophagy remain largely unknown. By using RNAi screening and transcriptome analysis, we have identified the BET family member BRD4 as a transcriptional repressor of autophagy and lysosomal function.

Sakamaki J. *et al.* **Mol. Cell** in press (2017)

Sakamaki J. and Ryan KM. **Dev. Cell** 37, 291-293 (2016)

Sakamaki J. *et al.* **Nature Cell. Biol.** 16, 234-244 (2014)

Sakamaki J. *et al.* **PNAS** 108, 6085-6090 (2011)

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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

