



The 6th CDB Lecture

Noboru Mizushima

The University of Tokyo

Monday, March 2, 2015

16:00~ C1F CDB Auditorium

Autophagy: an intracellular degradation system



Noboru Mizushima was born in 1966. He graduated from Faculty of Medicine at Tokyo Medical and Dental University in 1991, and finished the resident program in 1993 in the department of internal medicine at Tokyo Medical and Dental University. Then he started his research career with studies on molecular immunology and received Ph.D. in 1996. He then moved to National Institute for Basic Biology and started works on autophagy in yeast and mammals in Dr. Yoshinori Ohsumi's laboratory. His discovery of the Atg12 conjugation system was the first demonstration of a set of Atg proteins being involved in yeast autophagy. He moved to Tokyo Metropolitan Institute of Medical Science in 2004 as a laboratory head and started extensive studies on the physiological role of autophagy using mouse genetics, and molecular mechanisms of autophagy in mammals. He was promoted to Professor of Physiology and Cell Biology, in Graduate School and Faculty of Medicine at Tokyo Medical and Dental University in 2006, and Professor of Biochemistry and Molecular Biology at the University of Tokyo in 2012. His current research areas include autophagy, lysosome, intracellular protein/organelle degradation, protein metabolism and nutrient signaling.

He was awarded (selected):

- 2005 Mitsubishi Chemical Award of the Molecular Biology Society of Japan
- 2007 FEBS Letters Young Scientist Award
- 2008 JSPS (Japan Society for the Promotion of Science) Prize
- 2009 Inoue Prize for Science, Inoue Foundation for Science
- 2010 Japanese Biochemical Society, Kakiuchi Samuro Memorial Award
- 2011 The Takeda Prize for Medical Science
- 2013 Thomson Reuters Citation Laureates
- 2014 The Yomiuri Techno Forum, Gold Medal Prize

Host:

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