



## **OHTANI, Naoko**

Division of Cancer Biology, The Cancer Institute, Japanese  
Foundation for Cancer Research



### **RESEARCH TOPICS**

Molecular cancer biology, Cellular senescence and Cell cycle  
regulation

### **EDUCATION**

1988.3 M.D. Kyoto Prefectural University of Medicine (Japan)

1995.3 Ph.D. Kyoto Prefectural University of Medicine Graduate School (Japan)

### **POSITIONS**

1995.4 – 1998.3 Assistant Professor, Kyoto Prefectural University of Medicine (Japan)

1998.4 -1998.11 Postdoctoral fellow, Kyoto University, Institute for Virus Research (Japan)

1998.12 – 2003.8 Postdoctoral fellow, University of Manchester, Paterson Institute for Cancer  
Research (UK)

2003.8 -2005.2 Lecturer, Institute for Genome Research, University of Tokushima (Japan)

2005.2 – 2007.12 Associate Professor, Institute for Genome Research, University of Tokushima  
(Japan)

2008.1 – present. Senior Staff Scientist, Cancer Institute, Japanese Foundation for Cancer  
Research (Japan)

### **OTHER POSITIONS**

2011.4 –present Researcher, PRESTO Japan Science and Technology Agency (Japan)

2011.4 - present Visiting professor, University of Tokushima, Faculty of Medicine (Japan)

2012.10 - present Visiting professor, Tokyo University of Science, Faculty of Science and  
Technology, Department of Applied Biological Science (Japan).

### **AWARDS (Selected)**

1995.3 Shouren Award of Kyoto Prefectural University of Medicine (Japan)

1997.2 Inoue Research Award for Young Scientists (Japan)

2003.12 Uemura Shusaburo Cancer Research Award for Young Investigators  
(Japan)



**RECENT PUBLICATIONS** (\* corresponding author)

- 1 Takahashi A, Imai Y, Yamakoshi K, Kunitaka S, Ohtani N, Yoshimoto S, Hori S, Tachibana M, Anderton E, Takeuchi T, Shinkai Y, Peters G, Saya H, Hara E.  
DNA Damage Signaling Triggers Degradation of Histone Methyltransferases through APC/C<sup>Cdh1</sup> in Senescent Cells  
**Molecular Cell** 45, 123-131 (2012).
- 2 Yamakoshi K, Takahashi A, Hirota F, Nakayama R, Ishimaru N, Kubo Y, J. Mann D. J, Ohmura M, Hirao A, Saya H, Arase S, Hayashi Y, Nakao K, Matsumoto M, \*Ohtani N, and Hara E.  
Real-time in vivo imaging of p16<sup>Ink4a</sup> reveals cross talk with p53.  
**J. Cell Biol.** 186, 393-407, (2009)
- 3 \*Ohtani N, Imamura Y., Yamakoshi K., Hirota F., Nakayama R., Kubo Y., Takahashi A., Ishimaru N., Hirao A., Mann DJ., Hayashi Y., Arase S., Matsumoto M., Nakao K. and Hara E.  
Visualizing the dynamics of p21<sup>Waf/Cip1</sup> cyclin-dependent kinase inhibitor expression in living animals.  
**Proc. Natl. Acad. Sci. U S A.** 104, 15034-15039, (2007)
- 4 Takahashi, A., Ohtani N., Yamakoshi, K., Iida, S., Tahara, H., Nakayama, K., Nakayama, K.I., Ide, T., Saya, H. and Hara, E.  
Mitogenic signalling and the p16<sup>INK4a</sup>/Rb pathway co-operate to enforce irreversible cellular senescence.  
**Nature Cell Biol.** 8, 1291-1297, (2006)  
(Selected for "News and Views")
- 5 Ohtani N, Zebde Z, Huot TJ, Stinson JA, Sugimoto M, Ohashi Y, Sharrocks AD, Peters G and Hara E.  
Opposing effects of Ets and Id proteins on p16<sup>INK4a</sup> expression during cellular senescence.  
**Nature** 409, 1067-70, (2001)