

# International Recognition of Kyoto University's Research

TOPIC

## Prof. Toru Fushiki Receives the Medal of Honor with Purple Ribbon

Toru Fushiki, professor in the Graduate School of Agriculture was awarded the Medal of Honor with Purple Ribbon (*Shiju Hosho*) by the Government of Japan in April 2014. The *Shiju Hosho* is an award conferred by the Emperor of Japan for meritorious deeds, or excellence in the fields of science, art or sport, including scientific discovery and invention. Fushiki's research in the field of nutritional chemistry has elucidated the reasons why people enjoy the taste of food, and has provided scientific definitions of the Japanese concepts of *umami* (savory taste) and *koku* (richness) as represented by oil and *dashi* (soup stock) commonly used in Japanese cuisine. He has written not only specialized academic papers but also many popular books about food, and, together with chefs in Kyoto, has contributed to the tradition and development of Japanese cuisine through efforts to maintain the culture of *dashi* and convey the appeal of traditional Japanese dishes.

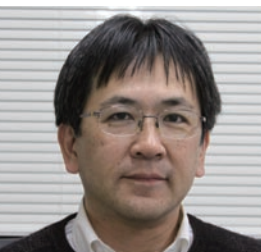


Toru Fushiki

\*Please refer to the following link for more information on Kyoto University researchers who have been awarded the Medal of Honor with Purple Ribbon: [WEB www.kyoto-u.ac.jp/ja/profile/intro/honor/award\\_b/purple\\_ribbon](http://www.kyoto-u.ac.jp/ja/profile/intro/honor/award_b/purple_ribbon)

TOPIC

## Prof. Hiraku Nakajima and Dr. Koichi Tanaka Receive the Japan Academy Prize



Hikaru Nakajima



Koichi Tanaka

Hiraku Nakajima, professor in the Research Institute for Mathematical Sciences, and Koichi Tanaka, professor emeritus of Kyoto University, have received the 2014 Japan Academy Prize. The Japan Academy Prize, presented for the achievement of outstanding research results, is one of the most prestigious academic awards in Japan.

Nakajima received the award for his outstanding contributions to geometric representation theory and mathematical physics. Highly recognized as a world leader in the both fields, his other

accolades include the Geometry Prize of the Mathematical Society of Japan (1997), the Spring Prize of the Mathematical Society of Japan (2000), the Cole Prize in Algebra of the American Mathematical Society (2003), and the JSPS Prize of the Japan Society for the Promotion of Science (2006).

Tanaka's award was presented for his "outstanding achievements in basic research on living-donor liver transplantation and studies on its clinical development and deployment." After serving as the director of the Kyoto University Hospital, he retired from the university in March 2005. He currently serves as chairman of the Board of Directors of the Kobe International Frontier Medical Center.

\*Please refer to the following link for more information on Kyoto University researchers who have been awarded the Japan Academy Prize: [WEB www.kyoto-u.ac.jp/ja/profile/intro/honor/award\\_b/academy](http://www.kyoto-u.ac.jp/ja/profile/intro/honor/award_b/academy)

## TOPIC

## Prof. Kazutoshi Mori Receives the Shaw Prize in Life Science and Medicine

Kazutoshi Mori, professor in the Graduate School of Science has been awarded the prestigious Hong Kong-based Shaw Prize in Life Science and Medicine. The award was jointly presented to Mori and Prof. Peter Walter of the University of California, San Francisco, for their discovery of the endoplasmic reticulum stress response. Mori is the second Japanese Shaw Prize laureate, following Shinya Yamanaka, director of Kyoto University's Center for iPS Cell Research and Application (CiRA), who received the award in 2008.

WEB [www.upr.biophys.kyoto-u.ac.jp](http://www.upr.biophys.kyoto-u.ac.jp)



Kazutoshi Mori

## TOPIC

## Prof. Motomu Tanaka Receives the Philipp Franz von Siebold Award for Japanese Researchers



Motomu Tanaka

Motomu Tanaka, professor in the Institute for Integrated Cell Material Sciences (iCeMS), has been awarded the 2014 Philipp Franz von Siebold Award for Japanese Researchers by the Alexander von Humboldt Foundation. With the aim of promoting academic exchange between Germany and Japan, the Philipp Franz von Siebold Award has been presented annually to Japanese academics since 1979 for outstanding service in enhancing mutual cultural understanding between the two countries. Tanaka is the 6<sup>th</sup> Kyoto University-affiliated scholar to receive the award. The award is conferred directly by the Federal President of Germany, and is regarded as Germany's most prestigious award for Japanese researchers.

WEB [www.icems.kyoto-u.ac.jp/e/ppl/grp/m-tanaka.html](http://www.icems.kyoto-u.ac.jp/e/ppl/grp/m-tanaka.html)



PHOTO: Humboldt Foundation/David Ausserhofer

## TOPIC

## Dr. Itaru Imayoshi Receives the 1<sup>st</sup> Prize of the German Innovation Award – Gottfried Wagener Prize 2014

Itaru Imayoshi, an associate professor in the Hakubi Center for Advanced Research and Institute for Virus Research of Kyoto University, has won the 1<sup>st</sup> Prize of the German Innovation Award – Gottfried Wagener Prize 2014 for the development of a method of optical manipulation of neural stem cells in the brain. Established by German companies that value technological innovation, the German Innovation Award aims to promote industry–academia collaboration between Germany and Japan, and is conferred on promising young Japanese

scientists in recognition of innovative research achievements. The 3<sup>rd</sup> prize was awarded to Hideki Hirori, an associate professor in the Institute for Integrated Cell-Material Sciences (iCeMS), for his research achievements relating to the generation of ultra-intense terahertz radiation sources and nonlinear spectroscopy (For more details, please refer to the features on page 29.)



Itaru Imayoshi



PHOTO:  
DWH Tokyo

WEB [www.kyoto-u.ac.jp/ja/news\\_data/h/h1/news7/2014/140618\\_1.htm](http://www.kyoto-u.ac.jp/ja/news_data/h/h1/news7/2014/140618_1.htm)

TOPIC

## The Kyoto University Shi-Shi Award



The 2<sup>nd</sup> Kyoto University Shi-Shi Award ceremony was held on 24 June 2014. “*Shi-Shi*” is a Chinese term meaning “to work hard and be diligent.” With the aim of promoting the development of the university, the Shi-Shi Award aims to honor Kyoto University scholars for their outstanding efforts and achievements in education, research, and social service. The recipients of the 2<sup>nd</sup> Shi-Shi Award are as follows (in alphabetical order):

**Kayo Inaba** *Vice dean and professor, Graduate School of Biostudies*

**Tetsuro Matsuzawa** *Professor, Primate Research Institute*

**Atsushi Moriwaki** *Assistant to the executive vice-president for education; professor, Graduate School of Science*

**Yoshimasa Nakamura** *Assistant to the executive vice-president for education; professor, Graduate School of Informatics*

**Hiraku Nakajima** *Professor, Research Institute for Mathematical Sciences*

**WEB** [www.kyoto-u.ac.jp/ja/news\\_data/h/h1/news7/2014/140624\\_1.htm](http://www.kyoto-u.ac.jp/ja/news_data/h/h1/news7/2014/140624_1.htm) (Japanese only)

HONORS

## Award Winning Researchers in Kyoto University

**Nobel Prize** *in Physics* **Hideki Yukawa** (1949), **Sin-Itiro Tomonaga** (1965), **Makoto Kobayashi** (2008), **Toshihide Maskawa** (2008)

*in Chemistry* **Kenichi Fukui** (1981), **Ryoji Noyori** (2001)

*in Physiology or Medicine* **Susumu Tonegawa** (1987), **Shinya Yamanaka** (2012)

**Fields Medal** **Heisuke Hironaka** (1970), **Shigefumi Mori** (1990)

**Gauss Prize** **Kiyosi Itō** (2006)

**Lasker Award** **Susumu Tonegawa** (1987), **Yasutomi Nishizuka** (1989), **Yoshio Masui** (1998), **Shinya Yamanaka** (2009)

**Japan Prize** **Makoto Nagao** (2005), **Masatoshi Takeichi** (2005)

**Kyoto Prize** **Chushiro Hayashi** (1995), **Kiyosi Itō** (1998), **Shinya Yamanaka** (2010), **Masatoshi Nei** (2013)

**Die Schaudinn-Hoffmann-Plakette** ◆ **Shin-ichi Matsumoto** (1965)

**Huxley Memorial Medal** ◆ **Junichiro Itani** (1984)

**Canada Gairdner International Award** ◆ **Susumu Tonegawa** (1983), **Yasutomi Nishizuka** (1988),

**Shinya Yamanaka** (2009), **Kazutoshi Mori** (2009)

**Order of the White Elephant - 3<sup>rd</sup> Class** ◆ **Yoneo Ishii** (1987)

**Ross G. Harrison Prize** ◆ **Tokino S. Okada** (1989)

**Salem Prize** ◆ **Mitsuhiro Shishikura** (1992)

**Robert Koch Prize** ◆ **Shigekazu Nagata** (1995), **Shinya Yamanaka** (2008), **Tasuku Honjo** (2012)

**The Keio Medical Science Prize** ◆ **Shigetada Nakanishi** (1996), **Masatoshi Takeichi** (2001), **Koichi Tanaka** (2002),

**Yoshinori Fujiyoshi** (2005), **Shimon Sakaguchi** (2008), **Kenji Kangawa** (2009)

**Frank Nelson Cole Prize** ◆ **Hiraku Nakajima** (2003)

**John Dawson Prize** ◆ **Tetsuya Sato** (2005)

**Yuri Gagarin Medal** ◆ **Hiroshi Matsumoto** (2006)

**Booker Gold Medal** ◆ **Hiroshi Matsumoto** (2008)

**The Ulysses Medal** ◆ **Shuh Narumiya** (2008)

**L.S.B. Leakey Prize** ◆ **Toshisada Nishida** (2008)

**Prix du Rayonnement de la langue et de la littérature françaises** ◆ **Kazuyoshi Yoshikawa** (2010)

**de Gennes Prize** ◆ **Susumu Kitagawa** (2013)