The Harmonious Coexistence between Nature and Mankind

To carry on and further develop the philosophy of “The Harmonious Coexistence between Nature and Mankind” presented at the International Garden and Greenery Exposition, Osaka, Japan, 1990 (Expo’90), the International Cosmos Prize recognizes outstanding research activities and achievements both in Japan and abroad that are in line with this philosophy. The award ceremony is held every autumn in Osaka, Japan. The prizewinner is awarded a monetary prize of 40 million yen.

2017 Prizewinner
Dr. Jane Goodall  Founder, Jane Goodall Institute

Dr. Goodall has been studying wild chimpanzees since 1960 so as to paint a fuller picture of chimpanzees. She has conducted afforestation programs to provide habitats for chimpanzees, and an environmental educational project. She began Roots & Shoots, environmental learning program by young people. More than 150,000 groups are actively working in 99 countries under this program.

Prizewinner 2012~2016

2012 Dr. Edward Osborne Wilson
Nationality : U.S.A.

2013 Dr. Robert Treat Paine
Nationality : U.S.A.

2014 Dr. Philippe Descola
Nationality : France

2015 Dr. Johan Rockström
Nationality : Sweden

2016 Dr. Kunio Iwasaki
Nationality : Japan

WHO WILL BE THE NEXT PRIZEWINNER?
We are now calling for recommendations for the 2018 International Cosmos Prize!

If you have a candidate whom you would like to recommend, please e-mail us at the address below.
We will send you a recommendation form (in Microsoft Word). The deadline for recommendations is April 15.

EXPO ’90 FOUNDATION  E-mail: rec-cosmos@expo-cosmos.or.jp
Waseda University pushes forward with global academic network

Innovative programs and prioritized funding have propelled Waseda University to record highs in world university rankings, underscoring the university’s reputation for openness, dynamism, and diversity.

Borderless education and research for energy solutions
—Energy and Nanomaterials

In order to nurture students who will play leading roles in addressing major issues related to energy—its production, storage, and sustainable use—Hiroyuki Nishide, head of Energy and Nanomaterials Unit, has initiated major changes to internationalize administrative, education, and research policies at Waseda University.

“Energy problems cannot be resolved by any one country or individual institute,” says Nishide. “The Top Global University (TGU) Project offers the perfect opportunity to launch borderless education and research programs at Waseda University to educate the energy experts of the future.”

The Joint Supervision Program (JSP), the first to be established at Waseda, and Joint Appointment (JA), a new personnel system, lie at the heart of the new global education and research programs initiated by Nishide.

Students in JSP receive guidance from advisors at both Waseda and one of its partner universities: Monash University, Korea University, or the University of Bonn. A certificate from both universities is awarded upon completion of the program. “The first three graduates from this program have found excellent jobs at blue chip companies with good salaries,” Nishide says. Waseda is now expanding this framework to universities in Sweden and the United States.

“Importantly, our new personnel hiring policies have enabled ‘joint appointments’ of researchers from countries such as Italy, Sweden, and the United States, who teach at Waseda and conduct research with our students,” adds Nishide. This approach has resulted in joint research and publications, as well as a joint appointment faculty member who obtained a tenured position.

Such an open approach underscores Waseda University’s commitment to maintaining global standards of education and research. These initiatives have also led to more joint publications and higher citations—important factors in assessing international competitiveness.

Recent research in the unit includes the development of innovative nanomaterials for storing hydrogen using so-called ketone polymers. These findings enable the safe and robust transport of hydrogen, says Nishide. “You can carry hydrogen in your pocket!”

Energy and Nanomaterials Unit

Japanese culture from a global perspective
—Global Japanese Studies

Waseda University has built on its tradition of disseminating research on Japanese arts and culture, as demonstrated by alumnus Ryusaku Tsunoda (1877–1964), who played a major role in introducing Japanese culture to the world during his tenure at Columbia University.

“Inspired by such figures, our unit reexamines Japanese culture from a genuinely global perspective by developing institutional hubs,” says Hirokazu Toeda, head of the Global Japanese Studies Unit. Currently, we are working with Columbia University and the University of California, Los Angeles (UCLA) to establish the World Academia Alliance in Japanese Studies (WAAJS), which will enable the smooth exchange of knowledge and people between institutes. Ultimately, we want to create an international model for Japanese Studies.”

Other recent activities by the unit include creating bilingual publications, such as Censorship, Media and Literary Culture in Japan: From Edo to Postwar, running a double-degree program with Columbia University’s Department of East Asian Languages and Cultures, and launching English-based undergraduate and graduate programs: the Global Studies in Japanese Cultures Program (JCulP), and Global Japanese Literary and Cultural Studies (Global-J).

Additionally, a partnership between Waseda, UCLA, and the Tadashi Yanai Initiative for Globalizing Japanese Humanities used innovative technology to develop an application for teaching nonstandard Japanese hentaigana characters. The application is expected to have lasting impact, both domestically and abroad, on scholars of Japanese literature.

“We have also recently organized a series of events at UCLA, celebrating the traditional Japanese performing art of kyogen,” Toeda says. “We hope to continue contributing to cultural diversity in the world by sharing what Japanese arts and culture has to offer.”

Global Japanese Studies Unit
www.waseda.jp/inst/sgu/en/unit/gjs

Look out for more news from Waseda University in the March 16 and 23 issues of Science. www.sciencemag.org/advertorials
2017 Winner
Flavio Donato, Ph.D.
Kavli Institute
Norwegian University of Science and Technology
For research on how neural networks mature during development to represent space in the brain

Eppendorf & Science Prize for Neurobiology
The annual Eppendorf & Science Prize for Neurobiology is an international award which honors young scientists for their outstanding contributions to neurobiological research based on methods of molecular and cell biology. The winner and finalists are selected by a committee of independent scientists, chaired by Science’s Senior Editor, Dr. Peter Stern. To be eligible, you must be 35 years of age or younger.

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> 10-year AAAS membership and online subscription to Science
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> An invitation to visit Eppendorf in Hamburg, Germany

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**CHRISTIAN HAASS**

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DEPARTMENT OF MOLECULAR NEUROSCIENCE, INSTITUTE OF NEUROLOGY, UCL, UNITED KINGDOM

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All nominations were reviewed by the distinguished selection committee:

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TOM JESSELL, USA

**STORY LANDIS, USA**

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**Business Model**

AXION Research provides AXiR Engine and P-HARP customized services for the customers and partners. Healthcare Services are built in various application. We’re interested in strategic alliance partners to accelerate the market adoption.

**Global Partnership**

AXION Research is building global partnership with AR/VR and robotics companies targeting healthcare industry. We’re also looking for worldwide business partners.

**Fund Raising**

We’re closing Angel Round in March and April 2018 in Japan. We’re also seeking it globally out of Japan in April, May and June 2018. Please contact us http://axionr.com