

**List of Japan Prize in Agricultural Science, Achievement Award for Young Scientists recipients (in english from 14th, 2015)**

No.		Name	Affiliation	Research results
134	14th (2015)	Ichiro Kamei	University of Miyazaki, Faculty of Agriculture	Bioremediation and Integrated Fungal Fermentation Process by White-rot Fungi
135		Shigenobu Kishino	Graduate School of Agriculture, Kyoto University	Analysis and Application of Novel Polyunsaturated Fatty Acid Metabolism in Gut Bacteria
136		Tatsuhiko Kondo	Nagoya University, Graduate School of Bioagricultural Sciences	Studies on Bioorganic Chemistry Focusing on Plant Peptide Hormones
137		Yasuyuki Goto	The University of Tokyo, Graduate School of Agricultural and Life Sciences	Studies on Tandem Repeat Antigens from Parasites
138		Hanako Shimura	Research Faculty of Agriculture, Hokkaido University	Roles of RNA Silencing in Symptom Development Induced by Plant Virus Infection
139		Takeshi Shimosato	Graduate School of Agriculture, Shinshu University	Oral Delivery and Immunomodulatory Effects of Oligodeoxynucleotides from Lactic Acid Bacteria
140		Tomokazu Seko	NARO Western Region Agricultural Research Center	Development of Augmentative Biological Control of Aphids Using Flightless <i>Harmonia axyridis</i>
141		Hideaki Takano	College of Bioresource Sciences, Nihon University	Studies on Environmental Factors Affecting Microbial Functions and their Mode of Action
142		Jun Tabata	National Institute for Agro-Environmental Sciences	Mating Disruption by Pheromones: Resistance and New Direction
143		Tomoko Nozoye	Meiji Gakuin University, The Center for Liberal Arts; The University of Tokyo, Department of Global Agricultural Sciences	Molecular Mechanism of Mugineic Acid Family Phytosiderophores Secretion
144	15th (2016)	Goshi Kato	Tokyo University of Marine Science and Technology	Studies of Unique Immune Systems of Teleost Fish and Development of Vaccine against Fish Diseases
145		Xiaonan Xie	Center for Bioscience Research & Education, Utsunomiya University	Structure Determination of Strigolactones - Germination Stimulants for Root Parasitic Plants
146		Masaki Shintani	Graduate School of Integrated Science and Technology, Shizuoka University	Behaviors of Mobile Genetic Elements in Different Environments
147		Takaaki Daimon	Graduate School of Agriculture, Kyoto University	Studies on Regulatory Mechanisms of Pupal Metamorphosis in the Silkworm Using Genomics and Genome Editing.
148		Takuya Tsubota	National Agriculture and Food Research Organization, Institute of Agrobiological Sciences	Improvement and Application of Gene Engineering Technique in the Silkworm <i>Bombyx mori</i>
149		Atsushi Nakao	Kyoto Prefectural University, Graduate School of Life and Environmental Sciences	Radiocesium Fixation on Soil Minerals
150		Kazumichi Fujii	Forestry and Forest Products Research Institute, Division of Forest Soils	Acidification Mechanism of Tropical Forest Soils and its Application to Fertility Management
151		Wataru Fujii	Graduate school of Agricultural and Life Sciences, The University of Tokyo	Development of the Generation Methods of Genome-modified Animals Using Engineered Endonucleases
152		Takashi Fujikawa	Institute of Fruit Tree and Tea Science, NARO	Development of Simple and Rapid Detection Methods for Accelerating the Eradication Measures of Citrus Greening Disease
153		Kensaku Maejima	Graduate School of Agricultural and Life Sciences, The University of Tokyo	Studies of Plum Pox Virus: Development of Advanced Detection Technology and Molecular Epidemiological Analysis
154	Yuichi Yamaura	Department of Forest Vegetation, Forestry and Forest Products Research Institute	Studies on Forest Management Maintaining Biodiversity	
155	16th (2017)	Ryo Ishikawa	Graduate School of Agricultural Science, Kobe University	Understanding the Genetic Basis of Domestication-related Traits in Rice
156		Kazuhiro Ishibashi	Institute of Agrobiological Sciences, NARO	Study on the Plant Resistance Mechanisms against Viruses

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157		Michihito Sasaki	Hokkaido University, Research Center for Zoonosis Control	Studies on the Genetic Diversity and Origin of Viruses in Animals
158		Kanako Tago	Institute for Agro-Environmental Sciences, NARO	New Insights into the Role of Soil Microorganisms in Pesticide Degradation and Nitrogen Cycling in Agricultural Land
159		Michiko Nakai	National Agriculture and Food Research Organization	Establishment and Application of the Intracytoplasmic Sperm Injection in Pigs
160		Tohru Nakajima	Graduate School of Agricultural and Life Sciences, The University of Tokyo	Development of the Decision Support System for Sustainable Forest Management Balancing Public Benefit and Economics
161		Mizuko Osanai-Futahashi	Department of Science, College of Science, Ibaraki University	Studies on Insect Pigment Synthesis Pathways and their Application to Transgenic Markers
162		Koutaro Maeno	Japan International Research Center for Agricultural Sciences	Physiological and Ecological Studies on the Desert Locust
163		Kazunori Minamikawa	Institute for Agro-Environmental Sciences, NARO	Developing Methodology for Social Implementation of Water Management in Rice Paddies as a Global Warming Mitigation Option
164		Masafumi Yagi	Institute of Vegetable and Floriculture Science, NARO	Genomic Analysis Research and its Application for Breeding Carnation Cultivars
165	17th (2018)	Masaki Endo	Institute of Agrobiological Sciences, NARO	Toward next generation of genome editing in plants
166		Yohei Katsuyama	Graduate School of Agricultural and Life Sciences, The University of Tokyo	Screening and functional analysis of enzymes from secondary metabolism
167		Takashi Kiuchi	Graduate School of Agricultural and Life Sciences, The University of Tokyo	Elucidation of molecular mechanisms underlying sex determination and larval color pattern formation in the silkworm, <i>Bombyx mori</i> , using sophisticated genetic tools
168		Mari Kuroki	Graduate School of Agricultural and Life Sciences, The University of Tokyo	Early life history traits and the evolutionary dynamics of migration in freshwater eels
169		Yohei Koide	Research faculty of Agriculture, Hokkaido University	Analyzing and overcoming the reproductive barrier between interspecific crosses of rice
170		Atsushi J. Nagano	Faculty of Agriculture, Ryukoku University	Studies of Plant Environmental Responses by Field Transcriptomics
171		Yoshiaki Nakamura	Hiroshima University, Graduate School of Biosphere Science	Establishment of a system for cryopreservation of poultry genetic resources using primordial germ cells
172		Kyoko Hayashida	Research Center for Zoonosis Control, Hokkaido University	Development of easy diagnostic tool CZC-dry-LAMP for tropical diseases
173		Yosuke Matsushita	Institute of Vegetable and Floriculture Science, NARO	Characteristics of viroids infecting horticultural plants
174		Kyoko Miwa	Hokkaido University, Faculty of Environmental Earth Science	Studies on distinct functions of plant borate transporters and development of plants tolerant to boron deficiency and toxicity
175	Naoko Yoshinaga	Kyoto University, Faculty of Agriculture	Chemical Arms Race between Insects and Plants Contributable to Next-generation Pest Management	
176	18th (2019)	Takeshi Akagi	Graduate School of Environmental and Life Science, Okayama Univ.	Sex Determination Mechanisms in Tree Crops
177		Mayu Inokuch	Faculty of Life Sciences, Toyo University	Morphofunctional studies on branchial ionocytes in fish osmoregulation
178		Yukiko Enomoto	Graduate School of Agricultural and Life Sciences, The University of Tokyo	Syntheses of ester derivatives from natural polysaccharides and their application as bio-based plastic material
179		Kenji Kai	Osaka Prefecture University, Graduate School of Life and Environmental Sciences	Studies on Chemical Communication among Microbes
180		Tsuyoshi Shimmura	Faculty of Agriculture, Tokyo University of Agriculture and Technology	Regulation mechanism of behaviour of chickens: Elucidation and application
181		Shigeo Toh	Meiji University, Faculty of Agriculture	Studies on Strigolactone receptors for root parasitic weed <i>Striga</i> control
182		Ryo Nakano	Institute of Fruit Tree and Tea Science, NARO	Sexual Communication and Behavioral Regulation in Ultrasonic Moths

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183		Kei Hiruma	Nara Institute of Science and Technology	Parasitic and mutualistic life-styles of plant-associated fungi under pressure of plant defense responses
184		Takaki Yamauchi	JST PRESTO; The University of Tokyo, Graduate School of Agricultural and Life Sciences	Study of Root Anatomical Traits That Contribute to Environmental Adaptation of Plants in the Family Poaceae
185		Ayako Yoshida	Biotechnology Research Center, The University of Tokyo	Studies on function and regulation of amino acid biosynthetic enzymes
186	19th (2020)	Shuta Asai	RIKEN	Studies on infection mechanisms of oomycete plant pathogens
187		Naoki Kabeya	Tokyo University of Marine Science, Department of Marine Biosciences	Biosynthesis of Polyunsaturated Fatty Acids in Marine Animals
188		Ryoma Kamikawa	Graduate School of Agriculture, Kyoto University	Genome biological studies on marine microbial eukaryotes
189		Tatsuhiko Goto	Obihiro University of Agriculture and Veterinary Medicine, GAMRC	Identification of genetic basis underlying egg and growth traits in chickens
190		Akifumi Sugiyama	RISH, Kyoto University	Dynamics and function of secondary metabolites in rhizosphere
191		Wakana Tanaka	Graduate School of Integrated Sciences for Life, Hiroshima University	Molecular genetic studies on spikelet development and tiller formation in rice
192		Shuji Fujisawa	Graduate School of Agricultural and Life Sciences, The University of Tokyo	Surface engineering of cellulose nanofibers toward nanocomposite materials
193		Fumie Magata	Graduate School of Agricultural and Life Sciences, The University of Tokyo	Studies on the endotoxin-induced mechanisms of ovarian dysfunction and development of novel treatment of uterine inflammatory diseases in cows
194		Miyamoto Junki	Graduate school of Agriculture, Tokyo University of Agriculture and Technology	Interaction between diet and gut microbiota for human health
195		Yuki Monden	Okayama University, Faculty of Agriculture	Genetic Breeding Analysis for Polyploid Species and Development of Cultivar Discrimination Technology
196		Yoko Yamashita	Kobe University, Department of Agribioscience	Studies on the bio-regulatory function of polyphenols from the viewpoints of the multiple-organs crosstalk and circadian rhythm
197	20th (2021)	Shunsuke Adachi	Institute of Agriculture, Tokyo University of Agriculture and Technology	Genetic determination of natural variant gene for leaf photosynthetic rate in rice
198		Harumi Ikei	Center for Environment, Health and Field Sciences, Chiba University	Elucidation of the relaxation effects of olfactory, tactile, and visual stimuli of wood on humans
199		Eiji Gotoh	Faculty of Agriculture, Kyushu University	Study on the physical meaning for chloroplast movements in adaptive response to low light condition in plants
200		Shintaro Kobayashi	Hokkaido University, Faculty of Veterinary Medicine)	Elucidation of the pathogenesis and development of diagnostic methods of Flavivirus infection
201		Ryoji Shinya	Meiji University, School of Agriculture	Studies on environmental adaptations and plant parasitism of nematodes
202		Hiroki Takagi	Faculty of Bioresources and Environmental Sciences, Ishikawa Prefectural University	Developing Next generation sequencing-based methods for efficient genetic analysis and applying their methods in breeding
203		Yasuhiro Tsujimoto	Japan International Research Center for Agricultural Sciences, JIRCAS	Development and dissemination of an efficient fertilizer management practice for lowland rice cultivation in sub-Saharan Africa
204		Masanori Toyofuku	Faculty of Life and Environmental Sciences, University of Tsukuba	Formation and Functions of Bacterial Membrane Vesicles
205		Masayuki Hayashi	Western Region Agricultural Research Center, NARO	Studies on Interaction and Chemical Communication between Aphids, Ants and Natural Enemies
206		Hironori Bando	Tohoku University, Laboratory of Sustainable Animal Environment	The host-parasite interactions of Toxoplasma gondii in the mammalian hosts
207		Akira Mine	Graduate School of Agriculture, Kyoto University	Structure and dynamics of the plant immune signaling network in plant-bacteria interactions

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208	21th (2022)	Yoshitaka Uchida	Research Faculty of Agriculture, Hokkaido University	A multidisciplinary approach towards the reduction of N2O emissions from agricultural fields
209		Yukari Okano	Fukushima University, Faculty of Food and Agricultural Sciences	Molecular mechanism of suppression of plant antiviral immunity
210		Takenobu Ogawa	Kyoto University, Graduate School of Agriculture	Elucidation of complex mechanisms that control food quality by developing novel measurement and analysis methods
211		Masafumi Katayama	Biodiversity Division, National Institute for Environmental Studies	Regulation of cellular fate and establishment of novel bioresource for avian species
212		Yutaro Sakai	Graduate School of Agricultural and Life Sciences, The University of Tokyo	Economic Research on Fisheries Policy, Fisheries Management, and Seafood Markets
213		Mitsuru Tanaka	Faculty of Agriculture, Kyushu University	Analytical evaluation of bioavailability of functional food compounds
214		Yu Tanaka	Graduate School of Agriculture, Kyoto University	Physiological regulations and the evaluation technologies of the crop photosynthesis
215		Yasuka Toda	Meiji University, School of Agriculture	Relationship between taste receptor functions and diets in vertebrates
216		Shouta Nakayama	Faculty of Veterinary Medicine, Hokkaido University)	Elucidation of environmental metal pollution in humans and animals in Africa and development of countermeasures
217		Masayoshi Hashimoto	Shizuoka University, Faculty of Agriculture)	Identification and molecular dissection of broad-spectrum recessive resistance genes against plant viruses
218	22th (2023)	Wakana Azuma	Kobe University, Faculty of Agricultural Science	Ecophysiological Strategies for Sustainable Growth of Large and Long-lived Trees, and Their Conservation Value in Ecological Context
219		Tomohiro Okagawa	Faculty of Veterinary Medicine, Hokkaido University	Studies on the mechanism of immune exhaustion and development of novel therapeutic strategies for chronic infections in cattle
220		Yosuke Sasaki	Meiji University, School of Agriculture	Epidemiological approaches to control animal infectious diseases
221		Yuma Shimamoto	Tokyo University of Agriculture and Technology, Institute of Agriculture	Creation of Environmentally Friendly Materials using Agricultural Byproducts and Development of Nondestructive Testing Methods
222		Keisuke Nagai	Nagoya University	Molecular Mechanisms of Flood Tolerance by Rice Internode Elongation
223		Yoko Masuda	Graduate School of Agricultural and Life Sciences, The University of Tokyo	Identification and application of microorganisms responsible for nitrogen fixation and methane metabolism in paddy soil
224		Kazunori Matsuo	Kyushu University, Faculty of Social and Cultural Studies	Explore natural enemies that contribute successful pest management
225		Mai Minamikawa	Institute for Advanced Academic Research, Chiba University	Development of an efficient breeding platform for fruit trees using genome and image information
226		Shuhei Miyashita	Graduate School of Agricultural Science, Tohoku University	Studies on plant viruses and host antiviral resistance with a combined approach of molecular biology and mathematical modeling
227		Hiromi Mukai	Forestry and Forest Products Research Institute, Kansai Research Center	Elucidation of multimodal use in insects and its application to pest control
228		Fumi Murakoshi	Frontier Research Institute for Interdisciplinary Sciences, Tohoku University	Establishment of a method for estimating the location of infection and drug discovery for parasites that cause calf diarrhea
229	23th (2024)	Takayuki Arazoe	Tokyo University of Science	Development and application of genome-editing technologies for plantpathogenic fungi
230		Hikaru Itakura	Atmosphere and Ocean Research Institute, University of Tokyo	Ecological studies on growth-phase Anguillid eels: Focusing on the connectivity of aquatic and terrestrial ecosystems
231		Takuya Uehara	Institute of Agrobiological Sciences, NARO	Research on behavioral manipulation of insect natural enemies through olfactory, gustatory, and visual sensory reception
232		Shinichiro OGAWA	Graduate School of Agriculture, Kyoto University	Studies on pig breeding methods aiming to sustainable domestic pork production

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233	Takahiro Kubo	Biodiversity division, National Institute for Environmental Studies, Japan	Research on human behaviour to balance conservation and sustainable use of the natural environment
234	JING WU	Faculty of Agriculture, Shizuoka University	Chemical studies on bioactive secondary metabolites from mushrooms
235	Tomokazu Tamura	Faculty of Medicine, Hokkaido University	Study on viral pathogenicity and disease control of positive-stranded RNA viruses
236	Takahiro Hiono	Hokkaido University, One Health Research Center	Ecology and host range of avian influenza viruses
237	Yuya Fukano	Chiba University, Graduate School of Horticulture	
248	Tomoaki Murakami	Tokyo University of Agriculture and Technology, Faculty of Agriculture	Elucidation of multimodal use in insects and its application to pest control