

[Separate table] Recruitment of fixed-term research scientists

No.	Institute *1	Research Division *1	Location	Research Title	Research Program *2	Principal Investigator
N1	NARO Agricultural Research Center (NARO/ARC)	Farm Management Division	Tsukuba, Ibaraki	Development of the motivational strategies and the ability evaluation system for employees of agricultural corporation	(1) Elucidation of the motivational strategies for employees in agricultural corporation (2) Elucidation of the ability evaluation method for employees in agricultural corporation (3) Development of the rational organization management and operating policy in agricultural corporation Keywords : organization management, goal management, personnel management, agricultural corporation	Takatoshi Sakoda
N2	NARO Agricultural Research Center (NARO/ARC)	Farm Mechanization Division	Tsukuba, Ibaraki	Development of control method for practical multi-robot farming system	(1) Development of multi-robot farming system and ensuring safety in operation Keywords: multi-robot farming system, functional safety, ensuring safety, recognition of dynamic environment, image processing	Katsuhiko Tamaki
N3	NARO Agricultural Research Center (NARO/ARC)	Agroinformatics Division	Tsukuba, Ibaraki	Development of countermeasures of agricultural damage by alien mesocarnivore and elucidation of user-related difficulties of countermeasure extension	(1) Development of countermeasure of agricultural damage by alien mesocarnivore (2) Elucidation of user-related difficulties of countermeasure extension of agricultural damage by alien mesocarnivore Keywords: wildlife damage management, alien mesocarnivore, farm work, masked palm civet, raccoon	Masahiko Takeuchi
N4	NARO Institute of Fruit Tree Science (NIFTS)	Citrus Research Division	Shizuoka, Shizuoka	Elucidation of beneficial effects of Citrus component, beta-cryptoxanthin, on liver disease	(1) Elucidation of bioavailability of beta-cryptoxanthin (2) Elucidation of preventive and ameliorating effects of beta-cryptoxanthin on liver dysfunction Keywords: food science, carotenoids, lifestyle-related diseases, labeling system on food functions	Minoru Sugiura
N5	NARO Institute of Floricultural Science (NIFS)	Ornamental Plants Research Division	Tsukuba, Ibaraki	Breeding for disease resistance and development of DNA markers linked to the resistance genes in major ornamental plants including <i>Eustoma</i>	(1) Clarification of inheritance of disease resistance and development of disease-resistant breeding candidate lines in major ornamental plants including <i>Eustoma</i> (2) Construction of genetic linkage map and development of DNA markers linked to the resistance genes in major ornamental plants including <i>Eustoma</i> Keywords: genomic analysis, QTL analysis, DNA polymorphism	Takashi Onozaki
N6	NARO Institute of Vegetable and Tea Science (NIVTS)	Vegetable Breeding and Genome Division	Tsu, Mie	Study of the phase-change mechanism from juvenile to adult phase in Brassica vegetables	(1) Transcriptome analysis during phase-change from juvenile to adult phase in cabbage Keywords: phase change, environmental response, flowering, Brassica vegetables	Tomohiro Kakizaki
N7	NARO Institute of Vegetable and Tea Science (NIVTS)	Tea Research Division	Shimada, Shizuoka	Establishment of integrated tea pest management system in tea field for export	(1) Study on physiological and ecological characters of tea pest and their control techniques by biological and physical methods (2) Construction of new integrated pest management system in tea field for export Keywords: IPM, male annihilation method, molecular ecology, conservation biology, population dynamics	Yasushi Sato

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N8	NARO Institute of Vegetable and Tea Science (NIVTS)	Tea Research Division	Makurazaki, Kagoshima	Breeding of functional tea cultivars for promotion of Japanese tea export	(1) Breeding of high polyphenols tea cultivar (2) Study of cultivation and prossesing method for selected lines Keywords: tea, breeding, functional components, DNA marker	Atsushi Nesumi
N9	NARO Institute of Livestock and Grassland Science (NILGS)	Animal Products Research Division	Tsukuba, Ibaraki	Differentiation and value adding of domestic meat	(1) Development of new evaluation techniques for mscl foods (2) Differentiation of domestic Wagyu beef against imported Wagyu beef Keywords: meat quality, sensory analysis, consumer science, quality measurements	Keisuke Sasaki
N10	National Institute of Animal Health (NIAH)	Bacterial and Parasitic Diseases Research Division	Tsukuba, Ibaraki	Research on microbial pathogenesis and host immune response	(1) To elucidate the molecular mechanisms of pathogenicity of intracellular bacteria (2) To elucidate the molecular mechanisms of immune responses to intracellular bacterial pathogens Keywords: intracellular bacterial pathogens, pathogenic factor, gene expression regulation, immune responses, vaccine	Yoshihiro Shimoji
N11	National Institute for Rural Engineering (NIRE)	Facilities and Geotechnical Engineering Research Division	Tsukuba, Ibaraki	Development of the disaster reduction technique of high durability for earth structure against to national resilience	(1) Development of the numerical analysis model of the dynamic interaction of linear earth structure and the foundation against the megaquake and giant tsunami (2) Development of the technique of high durability for linear earth structure against the dynamic complex external force of the earthquake and tsunami Keywords: national resilience, Nankai megathrust earthquakes, earth structure, technique of high durability, disaster prevention & reduction	Toshikazu Hori
N12	National Food Research Institute (NFRI)	Food Engineering Division	Tsukuba, Ibaraki	Development of next generaiton food processing technologies incorporating high hydrostatic pressure treatment for utilizing indigenous agricultural and livestock produce	(1) Development of new generation pasteurization/sterilization technologies incorporating high hydrostatic pressure treatment (2) Development of high pressure food processing technologies based on the quality and property of indigenous agricultural and livestock produce Keywords: high pressure food science, high hydrostatic pressure, microorganisms, food engineering	Kazutaka Yamamoto
N13	National Food Research Institute (NFRI)	Analytical Science Division	Tsukuba, Ibaraki	Development of statistical methods for labeling system on food functions	(1) Development of Bayesian methods for labeling fuctional ingredient content in fresh food Keywords: Bayesian analysis, sampling, agricultural products	Shigehiro Naito
N14	NARO Hokkaido Agricultural Research Center (NARO/HARC)	Agro-environmental Research Divison	Sapporo, Hokkaido	Development of control technology of aphids which transmit major viral disease in the cold region.	(1) Investigation of aphids which transmit the new strain of Potato Virus Y (PVY) (2) Comparison of transmission ability of PVY among major vector aphids (3) Development of control technology of aphids Keywords: vector insect, viral disease, potato, large-scale crop rotation farming	Takehiro, Ohki

No.	Institute *1	Research Division *1	Location	Research Title	Research Program *2	Principal Investigator
N15	NARO Tohoku Agricultural Research Center (NARO/TARC)	Field Crop and Horticulture Research Division	Morioka, Iwate	Analysis of factors contributing to the stable production of spring-sowing onion culture in Tohoku region	(1) Analysis of environmental factors affecting the bulb formation of spring-sowing onion under the long-day condition in Tohoku region using recent marketable varieties (2) Clarification of causes and influence of the cultural and nutritional conditions on soft rot disease occurrence in spring-sowing onion (3) Development of a production system of direct sowing onion to improve the seedling survival frequency and early growth rate Keywords: vegetable science, developmental physiology, bulb formation, thermal and photoperiodic response of vegetable crops	Atsushi Yamasaki
N16	NARO Western Region Agricultural Research Center (NARO/WARC)	Lowland Crops Research Division	Fukuyama, Hiroshima	Analysis and control of barley and wheat yield loss caused by soil- and seed-borne diseases.	(1) Analysis and control of barley and wheat yield loss caused by diseases in western region of Japan (2) Ecological analysis mainly of bacterial black node of barley and wheat for forecasting in western region of Japan Keywords: bacterial disease, fungal disease, epidemiology, chemical control, biological control	Toshiaki Takehara
N17	NARO Western Region Agricultural Research Center (NARO/WARC)	Lowland Crops Research Division	Fukuyama, Hiroshima	Analysis and optimization of soybean cultivation conditions for stable production in warm hilly or semi-mountainous areas	(1) Optimization of cultivation conditions for high-yielding soybean cultivars in hilly or semi-mountainous areas (2) Characterization of effects of maturity locus genotypes on soybean growth in warm areas (3) On-farm demonstration of stable and high-yielding soybean production in hilly or semi-mountainous areas Keywords: crop science, new cultivars, planting density, seeding time, on-farm research	Katuyuki Katayama
N18	NARO Western Region Agricultural Research Center (NARO/WARC)	Livestock Production and Wildlife Management Research Division	Oodai, Shimane	Construction and demonstration of social system for sustainable wildlife damage countermeasure	(1) Clarification of effects of wildlife damage countermeasures on efficient capturing of harmful individuals and reduction of damage (2) Development of environmental management techniques to reduce the rate of natural increase of wildlife and its application to multi-dimensional technologies for reduction of harmful individuals (3) Development of new techniques for efficient capturing based on improvement of environment settings for existing mini trap cage Keywords: Japanese macaque, sika deer, damage management, rural planning, capture techniques	Yusuke Eguchi
N19	NARO Kyushu Okinawa Agricultural Research Center (NARO/KARC)	Agro-Environment Research Division	Koshi, Kumamoto	Development of wide area soil moisture management system to stabilize soybean production against extreme weather event in southwestern Japan	(1) Determination of soil moisture threshold value to cause water stress and growth inhibition for soybean cultivation (2) Model development for evaluating wide area soil moisture in soybean field using crop growth, meteorological and spatial information Keywords: agricultural meteorology, early warning system, spatial information	Yasuyuki Wakiyama

*1 Name of research institute and research division would be changed due to a merger of organization scheduled in April 2016, but location and research program will not be changed.

*2 Research project of the NARO can be referred to the following site: <http://www.naro.affrc.go.jp/english/research/index.html>