

[Separate table] Recruitment of fixed-term research scientists

No.	Centers·Institutes	Research Division	Location	Research Title	Research Program *
N21	Institute for Agro-Environmental Sciences, NARO	Soil Biogeochemistry and Modeling Unit, Division of Climate Change	Tsukuba, Ibaraki	Development of a precise method to simulate nitrous oxide emissions from crop lands	(1) Modelling soil processes related to nitrous oxide emissions in crop lands (2) Developing a methodology to estimate nitrous oxide emissions from crop lands for improving the National Greenhouse Gas Inventory Report of Japan Keywords: Climate change, Greenhouse gas, Mathematical model
N22	Advanced Analysis Center, NARO	Bioinformatics Team	Tsukuba, Ibaraki	Bioinformatics analysis of genome-wide data	(1) Development of advanced methods for genome assembling of next-generation sequencing (NGS) data and its application to practical cases (2) Annotation and functional studies of genes based on large-scale analysis of NGS data (3) Development of selection methods of DNA markers by the efficient and automated design of DNA markers and primers (4) Support for massive data analysis of NARO researchers; Hosting a workshop for bioinformatics training of NARO researchers (5) Survey of NGS and other novel technologies and utilization of related software Keywords: Computer programming, Molecular data of agronomy

* Research project of the NARO can be referred to the following site:

<http://www.naro.affrc.go.jp/english/research-programs/4th-midterm-plan.html>